

1. M. Platiša, M. Popović, M. Dimitrijević, N. Konjević: 1975, *Z. Fur Naturforsch.* **30a**, 212 [A 1].\*
1. Griem, H. R.: 1975, *Stark Broadening*, Adv. Atom. Molec. Phys. **11**, 331.
2. Platiša, M., Popović, M. V., Konjević, N.: 1975, *Stark broadening of O II and O III lines*, Astron. Astrophys. **45**, 325.
3. Konjević, N., Wiese, W. L.: 1976, *Experimental Stark widths and shifts for non-hydrogenic spectral lines of ionized atoms*, J. Phys. Chem. Ref. Data **5**, 259.
4. Hey, J. D.: 1977, *On the Stark broadening of isolated lines of F (II) and Cl (III) by plasmas*, JQSRT **18**, 649.
5. Hey, J. D.: 1977, *Estimates of Stark broadening of some Ar III and Ar IV lines*, JQSRT **17**, 729.
6. Hey, J. D.: Breger, P.: 1980, *Stark broadening of isolated lines emitted by singly - ionized tin*, JQSRT **23**, 311.
7. Hey, J. D.: Breger, P.: 1981, *Stark broadening of isolated ion lines by plasmas: Application of theory*, in Spectral Line Shapes I, ed. B. Wende, W. de Gruyter, 201.
8. Сыркин, М. И.: 1981, *Расчеты электронного уширения спектральных линий в теории оптических свойств плазмы*, Опт. Спектроск. **51**, 778.
9. Wiese, W. L., Konjević, N.: 1982, *Regularities and similarities in plasma broadened spectral line widths (Stark widths)*, JQSRT **28**, 185.
10. Konjević, N., Pittman, T. P.: 1986, *Stark broadening of spectral lines of homologous, doubly ionized inert gases*, JQSRT **35**, 473.
11. Konjević, N., Pittman, T. P.: 1987, *Stark broadening of spectral lines of homologous, doubly - ionized inert gases*, JQSRT **37**, 311.
12. Бабин, С. А., Донин, В. И., Родишевский, А. В., Шапиро, Д. А.: 1988, *Кулоновское уширение провала Лемба в Ar<sup>++</sup> лазере*, Квантовая Электроника **15**, 1261.
13. Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Stark - broadening regularities of lithium - like and sodium - like isoelectronic sequences*, Z. Phys. D **10**, 431.
14. Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika **20**, 485.
15. Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Stark broadening and regularities of ionized neon and argon spectral lines*, Z. Phys. D **8**, 343.
16. Babin, S. A., Donin, V. I., Rodishevsky, A. V., Shapiro, D. A.: 1989, *Diagnostics of ion-laser plasma by nonlinear spectroscopy methods*, XIX IC-PIG, Beograd, 750.

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17. Hey, J. D., Breger, P.: 1989, *The classical Kramers - Gaunt factor in Stark broadening calculations*, J. Phys. B **22**, L79.
18. Hey, J. D., Gawron, A., Xu, X.J., Breger, P., Kunze, H. J.: 1989, *Stark broadening of Ar IV lines in a dense plasma*, J. Phys. B **22**, 241.
19. Babin, S. A., Shapiro, D. A.: 1990, *Coulomb broadened spectral resonances*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 48.
20. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
21. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms ( A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.
22. Babin, S. A., Shapiro, D. A.: 1994, *Spectral line broadening due to the Coulomb interaction in plasma*, Physics Reports **241**, 119.
23. Djenize, S., Bukvić, S., Srećković, A., Platiša, M.: 1996, *Stark widths of doubly ionized argon spectral lines*, J. Phys. B **29**, 429.
24. Wetzler, H., Suss, W., Stockl, C., Tauschwitz, A., Hoffmann, D. H. H.: 1997, *Density Diagnostics of an Argon Plasma by Heavy-Ion Beams and Spectroscopy*, Laser and Particle Beams **15**, 449.
25. Djenize, S., Bukvić, S., Mišković, D.: 1999, *Measured Stark widths of several Ar IV spectral lines*, Proc. XII Nat. Conf. Yug. Astron. and Int. Workshop on the Development of Astronomical Databases, eds. L. Č. Popović, M. Dačić, Publ. Astron. Obs. Belgrade **65**, 67.
26. Djenize, S.: 2000, *Measured, calculated and estimated Stark widths of several Ar IV spectral lines*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 51.
27. Djenize, S.: 2000, *Measured, calculated and estimated Stark widths of several Ar III spectral lines*, Proc. 3rd Belarussian-Yugoslav Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasma (PDP-III'2000), Minsk, September 17-21, 2000, eds. V. S. Burakov, M. S. Dimitrijević, Publ. Astron. Obs. Belgrade **68**, 77.
28. Djenize, S., Bukvić, S., Mišković, D.: 2001, *Stark widths and shifts of triply ionized argon spectral lines*, Astron. Astrophys. **367**, 737.
2. **M. Platiša, M. Dimitrijević, M. Popović, N. Konjević: 1977, Astron. Astrophys. 54, 837 [A 2].**
  1. Hey, J. D.: 1977, *On the Stark broadening of isolated lines of F (II) and Cl (III) by plasmas*, JQSRT **18**, 649.
  2. Hey, J. D.: 1977, *Estimates of Stark broadening of some Ar III and Ar IV lines*, JQSRT **17**, 729.
  3. Platiša, M., Konjević, N.: 1977, *Stark broadening of Ne II lines*, XIII ICPIG, Berlin, 121.

4. Hey, J. D.: 1978, *On the variation of spectral line widths within Stark broadened multiplets*, JQSRT **20**, 403.
  5. Hey, J. D., Breger, P.: 1980, *Stark broadening of isolated lines emitted by singly - ionized tin*, JQSRT **23**, 311.
  6. Hey, J. D., Breger, P.: 1981, *Stark broadening of isolated ion lines by plasmas: Application of theory*, in *Spectral Line Shapes I*, ed. B. Wende, W. de Gruyter, 201.
  7. Wiese, W. L., Konjević, N.: 1982, *Regularities and similarities in plasma broadened spectral line widths (Stark widths)*, JQSRT **28**, 185.
  8. Purić, J., Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, *Stark widths and shifts of Cl II, Cl III and Cl IV lines*, XVIII ICPIG, Swansea, 484.
  9. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Stark broadening and regularities of prominent spectral lines of multiply ionized chlorine and fluorine*, Phys. Rev. A **37**, 4380.
  10. Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, *Stark broadening of Ar IV lines in a dense plasma*, J. Phys. B **22**, 241.
  11. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
  12. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.
  13. Djeniže, S., Labat, J., Srećković, A., Labat, O., Platiša, M., Purić, J.: 1991, *Stark broadening and shifts of singly and doubly ionized fluorine spectral lines*, Physica Scripta **44**, 148.
  14. Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, *Stark broadening and regularities of ionized bromine spectral lines*, J. Phys. B **24**, 1251.
  15. Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, *Measured Stark widths of doubly and triply ionized silicon spectral lines*, J. Phys. B **25**, 785.
  16. Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1999, *On the Stark Width Regularities in the Singly Ionized Spectra*, Physica Scripta **59**, 98.
  17. Djeniže, S.: 2000, *On the Stark Width Regularities in Doubly Ionized Spectra*, Physica Scripta **61**, 412.
  18. Srećković, A., Bukvić, S.: 2003, *Experimental Stark shifts in the F II 3s'-3p' transition*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 225.
- 3. M. Platiša, M. Dimitrijević, M. Popović, N. Konjević: 1977, J. Phys. B 10, 2997 [A 3].**
1. Hey, J. D.: 1978, *On the variation of spectral line widths within Stark broadened multiplets*, JQSRT **20**, 403.

2. Hey, J. D., Breger, P.: 1980, *Stark broadening of isolated lines emitted by singly - ionized tin*, JQSRT **23**, 311.
3. Сыркин, М. И.: 1981, *Расчеты электронного уширения спектральных линий в теории оптических свойств плазмы*, Опт. Спектроск. **51**, 778.
4. Brown, P. J. E., Dufton, P. L., Lennon, D. J., Keenan, F. P., Kilkenny, D.: 1986, *The chemical composition of the young open cluster NGC 6611*, Astron. Astrophys. **155**, 113.
5. Lennon, D. J., Lynas-Gray, A. E., Brown, P. J. E. Dufton, P. L.: 1986, *Non - LTE calculations of silicon - line strengths in B - type stars*, Mon. Not. Roy. Astron. Soc. **222**, 719.
6. Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Stark - broadening regularities of lithium - like and sodium - like isoelectronic sequences*, Z. Phys. D **10**, 431.
7. Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika **20**, 485.
8. Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1990, *Stark-broadening regularities of np-nd transition arrays of nitrogen, oxygen, neon, and silicon ion spectral lines*, Astron. Astrophys. **227**, 291.
9. Dufton, P. L., Fitzsimmons, A., Howarth, I. D.: 1990, *The chemical composition of a main - sequence star in the Small Magelanic cloud*, Astrophys. J. **362**, L59.
10. Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, *Measured Stark widths of doubly and triply ionized silicon spectral lines*, J. Phys. B **25**, 785.
11. Abdel-Baky, A. M., El-Ghazaly, M. H., Mansour, M. M.: 2000, *Spectroscopic and electric probe measurements of plasma parameters in the negative glow region of helium discharge plasma*, Journal of Quantitative Spectroscopy and Radiative Transfer **67**, 217.
12. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
4. **M. S. Dimitrijević, P. Grujić: 1978, JQSRT 19, 407 [A 4].**
  1. Boyko, W.J., Keliher, P. N., Malloy, J. M.: 1980, *Emission spectrometry*, Analyt. Chemistry **52**, 53R.
  2. Bassalo, J. M., Cattani, M., Walder, V. S.: 1982, *Convergent calculations for electron impact broadening and shift of neutral helium lines*, JQSRT **28**, 75.
5. **M. Platiša, M. Dimitrijević, N. Konjević: 1978, Astron. Astrophys. 67, 103 [A 5].**
  1. Miller, M. H., Lesage, A., Abadie, D.: 1982, *Experimental Stark widths of Xe II and trends in the broadening of homologous rare - gas ions*, Phys. Rev. A **25**, 2064.

2. Richou, J., Manola, S., Lesage, A., Abadie, D., Miller, M. H.: 1983, *Stark broadening parameter trends for ionized rare gas and mirror image elements*, XVI ICPIG, Dusseldorf, 632.
3. Helbig, V.: 1985, *Good news - bad news? Stark broadening at moderate electron densities*, in Spectral Line Shapes **III**, ed. F. Rostas, W. de Gruyter, 3.
4. Purić, J., Djeniže, S., Srećković, A., Labat, J., Ćirković, Lj., 1987, *Stark widths of Ne II spectral lines*, Spectral line Shapes **IV**, ed. R. J. Exton A. Deepak, Hampton, Virginia, 55.
5. Purić, J., Djeniže, S., Srećković, A., Labat, J., Ćirković, Lj.: 1987, *Stark widths and shifts of Ne II spectral lines*, Phys. Rev. A **35**, 2111.
6. Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika **20**, 485.
7. Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Stark broadening and regularities of ionized neon and argon spectral lines*, Z. Phys. D **8**, 343,
8. Istrefi, L.: 1989, *Stark broadening of spectral lines in some N(II) and C(III) multiplets in Z-pinch plasma*, Revue Roumaine de Physique **33**, 667.
9. Lesage, A., Abadie, D., Miller, M. H.: 1989, *Stark broadening in krypton and xenon*, Phys. Rev. A **40**, 1367.
10. Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1990, *Stark-broadening regularities of np-nd transition arrays of nitrogen, oxygen, neon, and silicon ion spectral lines*, Astron. Astrophys. **227**, 291.
11. Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. J.: 1993, *Plasma broadening of Ne II - Ne VI and F IV - F V spectral lines*, Phys. Rev. E **47**, 3623.
12. Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1999, *On the Stark Width Regularities in the Singly Ionized Spectra*, Physica Scripta **59**, 98.
13. del Val, J. A., Aparicio, J. A., Mar, S.: 2000, *Stark width measurements of Ne II spectral lines*, Astrophys. J. **536**, 998.
14. Djeniže, S.: 2000, *Measured, calculated and predicted Stark widths of the singly ionized C, N, O, F, Ne, Si, P, S, Cl, and Ar Spectral lines*, Serb. Astron. J. **161**, 89.
15. Djeniže, S., Milosavljević, V.: 2000, *Stark broadening in the Ne II 3s <sup>4</sup>P-3p <sup>4</sup>D° multiplet*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 59.
16. Djeniže, S., Milosavljević, V.: *Experimental Stark widths in the Ne II spectrum*, 2000, Proc. 3rd Belarussian-Yugoslav Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasma (PDP-III'2000), Minsk, September 17-21, 2000, eds. V. S. Burakov, M. S. Dimitrijević, Publ. Astron. Obs. Belgrade **68**, 87.

6. J. Purić, M. S. Dimitrijević, I. S. Lakićević: 1978, *Phys. Lett.* **67A**, 189 [A 6].
1. Purić, J., Lakićević, I. S., Glavonić, V.: 1979, *Some regularities within the Stark widths and shifts of resonance lines of neutral atoms from He to Ca*, *J. Phys.* **40**, C7-795.
  2. Purić, J., Lakićević, I., Glavonić, V.: 1979, *Some regularities within the Stark widths and shifts of resonance lines of singly charged ions from He to Ca*, *J. Phys.* **40**, C7-835.
  3. Miller, M. H., Lesage, A., Purić, J.: 1980, *Stark broadening trends in homologous ions*, *Astrophys. J.* **239**, 410.
  4. Purić, J., Lakićević, I., Glavonić, V.: 1980, *Stark width and shift dependence on the ionized potential*, *Phys. Lett. A* **76**, 128.
  5. Purić, J.: 1981, *Regularities and trends in Stark parameters of neutral and ion spectral lines*, XV ICPIG, Minsk, Invited papers, 311.
  6. Purić, J., Lakićević, I.: 1981, *Stark width and shift periodic dependence on nuclear charge number*, XV ICPIG, Minsk, 927.
  7. Purić, J., Lakićević, I. S.; Glavonić, V.: 1981, *Some regularities within the Stark widths and shifts of resonance ion lines from Li to Ca*, *JQSRT* **26**, 65.
  8. Lakićević, I. S.: 1982, *Regularities and systematic trends in the Stark broadening parameters of spectral lines in plasma*, in *Phys. Ioniz. Gases*, ed. G. Pichler, Zagreb, 483.
  9. Lakićević, I. S., Purić, J.; Ćuk, M.: 1982, *Stark width and shift of Cs I 852.11nm resonance line*, *Phys. Lett. A* **91**, 19.
  10. Miller, M. H., Lesage, A., Abadie, D.: 1982, *Experimental Stark widths of Xe II and trends in the broadening of homologous rare - gas ions*, *Phys. Rev. A* **25**, 2064.
  11. Purić, J., Lakićević, I. S.: 1982, *Periodic dependence of Stark width and shift on nuclear charge number*, *Phys. Lett. A* **91**, 345.
  12. Wiese, W. L., Konjević, N.: 1982, *Regularities and similarities in plasma broadened spectral line widths (Stark widths)*, *JQSRT* **28**, 185.
  13. Lakićević, I. S., Purić, J.: 1983, *Stark shift trends in homologous ions*, *J. Phys. B* **16**, 1525.
  14. Purić, J., Lakićević, I. S.: 1983, *Stark widths and shifts of IV and V group homologous ions*, in *Spectral Line Shapes II*, ed. K. Burnett, W. de Gruyter, 161.
  15. Miller, M. H., Abadie, D., Lesage, A.: 1985, *Experimental phosphorus and sulfur Stark widths and systematic broadening trends for third row ions*, *Astrophys. J.* **291**, 219.
  16. Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Regularities and systematic trends in the Stark broadening and shift parameters of spectral lines in plasma*, *Phys. Rev. A* **32**, 110.
  17. Tsu-Jee A. Nee: 1985, *Near - resonance - Rayleigh scattering measurement on a resonant laser - driven barium plasma*, *J. Appl. Phys.* **57**, 4968.

18. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  19. Sarandaev, E. V., Salakhov, M. Kh.: 1995, *Experimental Stark parameters of  $3s^2S - 3p^2P^o$  multiplet lines of singly ionized carbon*, J. Quant. Spectrosc. Radiat. Transfer **54**, 827.
  20. Sarandaev, E. V., Salakhov, M. Kh.: 1996, *Regularities in the Stark widths and shifts of spectral lines of singly - ionized aluminium*, JQSRT **56**, 399.
  21. Sarandaev, E. V., Salakhov, M. K.: 1996, *Regularities for Stark Widths of Spectral-Lines of Singly Ionized Aluminum*, Optika i Spektroskopiya, **81**, 33.
7. **M. Dimitrijević, N. Konjević : 1978, JQSRT 20, 223 [A 7].**
    1. Hey, J. D., Breger, P.: 1980. *Calculated Stark widths of isolated S(III) and S(IV) lines*, JQSRT **24**, 427.
    2. Hey, J. D., Breger, P.: 1980, *Calculated Stark widths of oxygen ion lines*, JQSRT **24**, 349.
    3. Seaton, M.: 1987, *Atomic data for opacity calculations: V. Electron broadening of some C III lines*, J. Phys. B. **20**, 6431.
    4. Seaton, M. J.: 1995, *Atomic data for opacity calculations V. Electron impact broadening of some C III lines*, in The Opacity Project Vol. 1. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 147.
  8. **M. S. Dimitrijević, P. V. Grujić: 1979, J. Phys. B 12, 1873 [A 8].**
    1. Grujić, P.: 1979, *Angular momenta near ionisation threshold for electron - ion collisions*, J. Phys. B **12**, L131.
    2. Peterkop, R., Liepinsh, A.: 1981, *Investigation of threshold behaviour of ionisation cross sections*, J. Phys. B **14**, 4125.
    3. Grujić, P.: 1982, *The classical theory of near threshold ionisation*, J. Phys. B **15**, 1913.
    4. Grujić, P. V.: 1984, *Energy distribution in the near - threshold electron - impact ionization of atoms and ions*, Phys. Rev. A **30**, 3012.
    5. Grujić, P. V.: 1986, *Classical calculations of the near - threshold multiple - escape processes*, Comments At. Molec. Phys. **18**, 47.
    6. Wetmore, A. E., Olson, R. E.: 1986, *Ionization of H and He<sup>+</sup> by electrons and positrons colliding at near threshold energies*, Phys. Rev. A **34**, 2822.
    7. Rau, A. R. P.: 1991, *Study of correlations with ions (theory)*, Nuclear Instruments and Methods in Physics Research **B56/57**, 200.
    8. Schultz, D. R., Meng, L., Olson, R. E.: 1992, *Classical description and calculation of ionization in collisions of 100 eV electrons and positrons with He and H<sub>2</sub>*, J. Phys. B **25**, 4601.
    9. Kazansky, A. K., Ostrovsky, V. N.: 1993, *Angular electron correlations near the double ionization threshold*, J. Phys. B **26**, 2231.

10. Asmis, K. R., Allan, M.: 1997, *Excess Energy Partitioning Between Electrons Departing at 0-Degrees and 180-Degrees in the Ionization of Helium Near-Threshold*, J. Phys B **30**, L167.
11. Grujić, P. V., Simonović, N.: 1998, *e+H- Detachment Function - I - The Classical-Dynamic Study*, Journal of Physics B **31**, 2611.
9. **M. Platiša, M. Popović, M. Dimitrijević, N. Konjević: 1979, JQSRT 22, 333 [A 9].**
  1. Hey, J. D., Breger, P.: 1980, *Calculated Stark widths of isolated S(III) and S(IV) lines*, JQSRT **24**, 427.
  2. Hey, J. D., Breger, P.: 1981, *Stark broadening of isolated ion lines by plasmas: Application of theory*, in Spectral Line Shapes **I**, ed. B. Wende, W. de Gruyter, 201.
  3. Сыркин, М. И.: 1981, *Расчеты электронного уширения спектральных линий в теории оптических свойств плазмы*, Опт. Спектроск. **51**, 778.
  4. Baschek, B., Kudritzki, R. P., Scholz, M., Simon, K. P.: 1982, *Spectral analysis of the subdwarf HD 149382*, Astron. Astrophys. **108**, 387.
  5. Wiese, W. L., Konjević, N.: 1982, *Regularities and similarities in plasma broadened spectral line widths (Stark widths)*, JQSRT **28**, 185.
  6. Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Stark - broadening regularities of lithium - like and sodium - like isoelectronic sequences*, Z. Phys. D **10**, 431.
  7. Djeniže, S., Srećković, A., Platiša, M., Konjević, R., Labat, J., Purić, J.: 1990, *Stark broadening and shift of singly and doubly ionized sulfur spectral lines*, Physical Review A **42**, 2379.
  8. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
  9. Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, *Stark broadening regularities within successive ionization stages of phosphorus and sulfur*, Fizika **22**, 583.
  10. Djeniže, S.: 1999, *On the Stark width regularities in the doubly ionized sulfur spectrum*, Proc. XII Nat. Conf. Yug. Astron. and Int. Workshop on the Development of Astronomical Databases, eds. L. Č. Popović, M. Dačić, Publ. Astron. Obs. Belgrade **65**, 63.
  11. Djeniže, S.: 2000, *On the Stark Width Regularities in Doubly Ionized Spectra*, Physica Scripta **61**, 412.
  12. Djeniže, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Measured Stark widths of prominent S IV spectral lines*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 344.



13. Djeniže, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Experimental Stark widths and shifts of triply ionized sulfur spectral lines*, *Astron. Astrophysics* **389**, 1086.
14. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.
- 10. M. S. Dimitrijević, P. Grujić: 1979, Z. Naturforsch. 34a, 1362 [A 10].**
  1. Vučić, S., Grujić, P., Radojević, V.: 1981, *Elastic scattering of low-energy electrons on He 2<sup>1</sup>S*, *Phys. Rev. A* **24**, 1823.
- 11. M. Dimitrijević, N. Konjević: 1980, Optics and Laser Technology 12, 145 [A 11].**
  1. Lewis, G. K., Dixon, R. D.: 1985, *Plasma monitoring of laser beam welds*, *Welding Research Suppl.* **2**, 495.
- 12. M. S. Dimitrijević, N. Konjević: 1980, JQSRT 24, 451 [A 12].**
  1. Hey, J. D., Breger, P.: 1982, *A classical path calculation of Stark broadening of isolated ion lines by plasmas*, *South African J. Phys.* **5**, 111.
  2. Konjević, N.: 1982, *Stark broadening of nonhydrogenic atom and ion lines in plasmas (an overview of experimental data)*, in *Phys. Ioniz. Gases*, ed. G. Pichler, 417.
  3. Ackermann, U., Finken, K. H., Musielok, J.: 1983, *Broadening of C IV lines in dense plasmas*, XVI ICPIG, Dusseldorf, 620.
  4. El-Farra, M. A., Hughes, T. P.: 1983, *Stark broadening of lines from multiply charged carbon ions in a high density arc plasma*, *JQSRT* **30**, 335.
  5. Ackermann, U., Finken, K. H., Musielok, J.: 1985, *Line profiles of the P alpha and P beta transitions in He II and broadening of C IV lines at high electron densities*, *Phys. Rev. A* **31**, 2597.
  6. Konjević, N., Pittman, T. P.: 1986, *Stark broadening of spectral lines of homologous, doubly ionized inert gases*, *JQSRT* **35**, 473.
  7. Lennon, D. J., Lynas-Gray, A. E., Brown, P. J. F., Dufton, P. L.: 1986, *Non-LTE calculations of silicon - line strengths in B - type stars*, *Mon. Not. Roy. Astron. Soc.* **222**, 719.
  8. Marasinghe, P. A. B., Lovett, R. J.: 1986, *An evaluation of methods for estimating electron Stark width of atomic spectral lines*, *Spectrochimica Acta* **41B**, 349.
  9. Bottcher, F., Musielok, J., Kunze, H. J., 1987, *Stark broadening of C IV and N V lines in the vacuum - UV - spectral range*, *Phys. Rev. A* **36**, 2265.
  10. Konjević, N., Pittman, T. P.: 1987, *Stark broadening of spectral lines of homologous, doubly ionized inert gases*, *JQSRT* **37**, 311.
  11. Kunze, H. J.: 1987, *The gas - liner pinch and its potential as a plasma source for spectroscopic investigations*, in *Spectral Line Shapes IV*, ed. R. J. Exton, A. Deepak, 123.
  12. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Stark broadening and regularities of prominent multiply ionized nitrogen spectral lines*, *Phys. Rev. A* **36**, 3957.

13. Seaton, M. J.: 1987, *Atomic data for opacity calculations: V. Electron broadening of some C III lines*, J. Phys. B **20**, 6431.
14. Bottcher, F., Breger, P., Hey, J. D., Kunze, H. J.: 1988, *Dependence of the Stark broadening on the emitter charge for the 3s - 3p transitions of Li-like ions*, Phys. Rev. A **38**, 2690.
15. Djeniže, S., Srećković, A., Milosavljević, M., Labat, J., Platiša, M., Purić, J.: 1988, *Stark broadening and shift of multiply ionized carbon spectral lines*, Z. Phys, D **9**, 129.
16. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
17. Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika **20**, 485.
18. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988. *Stark - broadening regularities of prominent multiply - ionized - oxygen spectral lines in plasma*, Phys. Rev. A **37**, 498.
19. Hey, J. D., Breger, P.: 1989, *The classical Kramers - Gaunt factor in Stark broadening calculations*, J. Phys. B **22**, L79.
20. Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, *Stark broadening of Ar IV lines in a dense plasma*, J. Phys. B **22**, 241
21. Istrefi, L.: 1989, *Stark broadening of spectral lines in some N(II) and C(III) multiplets in Z-pinch plasma*, Revue Roumaine de Physique **33**, 667.
22. Konjević, N.: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
23. Maron, Y., Sarid, E., Zahavi, O., Perelmutter, L., Sarfaty, M.: 1989, *Particle - velocity distribution and expansion of a surface flashover plasma in the presence of magnetic fields*, Phys. Rev. A **39**, 5842.
24. Bakshi V.: 1990, *Electron - impact widths of Si III transitions*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 71.
25. Djeniže, S., Srećković, A., Platiša, M., Labat, J., Konjević, R., Purić, J.: 1990, *Measurement of Stark width of some Ar I transitions in a D. C. argon plasma jet at atmospheric pressure*, JQSRT **44**, 405.
26. Iglesias, C. A., Rogers, F. J., Wilson, B. G.: 1990, *Opacities for classical cepheid models*, Astrophys. J. **360**, 221.
27. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
28. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.

29. Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, *Stark broadening regularities within successive ionization stages of phosphorus and sulfur*, *Fizika* **22**, 583.
30. Бережецкая, Н. К., Копьев, В. А., Косый, И. А., Кутузов, И. И., Тиит, Б. М.: 1991, *Взрывоэмиссионные явления на границе металл - горячая плазма*, *Ж. Т. Ф.* **61**, 179.
31. Glenzer, S., Musielok, J., Kunze, H. J.: 1991, *Investigation of a pair of transition probabilities of C III in high - density plasmas*, *Phys. Rev. A* **44**, 1266.
32. Glenzer, S., Uzelac, N. I., Kunze, H.-J.: 1992, *Stark - broadening of spectral - lines along the isoelectronic sequence of Li*, *Phys. Rev. A* **45**, 8795.
33. Gray, D. F.: 1992, *The Observation and Analysis of Stellar Photospheres*, Cambridge University Press, Cambridge.
34. Iglesias, C. A., Rogers, F. J.: 1992, *Results obtained using the Opal code*, *Revista Mexicana de Astronomia y Astrofisica* **23**, 161.
35. Rogers, F. J., Iglesias, C. A.: 1992, *Radiative atomic Rosseland mean opacity tables*, *Astrophys. J. Suppl. Series* **79**, 507.
36. Wiese, W. L., Konjević, N.: 1992, *Regularities in experimental Stark shifts*, *JQSRT* **47**, 185.
37. Bakshi, V., Barrett, B. D., Boone, T. D. Jr., Nunnally, W. C.: 1993, *Spectroscopic diagnostics of railgun plasma armatures*, *IEEE Transactions on Magnetics* **29**, 1097.
38. Djeniže, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993, *Stark parameters of several B II, C II and N III spectral lines*, *Contrib. Plasma Phys.* **33**, 193.
39. Glenzer, S., Uzelac, N. I., Kunze, H.-J.: 1993, *Stark broadening of 3s - 3p transitions in F VII*, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova, 119.
40. Lee, R. W., Castor, J. I., Iglesias, C. A., Rogers, F. J., Keane, C. J.: 1993, *Line shape calculations of charged radiator for large scale simulation*, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova, 179.
41. Seaton, M. J.: 1993, *Radiative opacities*, in *Inside Stars*, IAU Colloquium 137, eds. Weiss, W. W., Baglin, A., Astron. Soc. of the Pacific Conference Series **40**, 222.
42. Smith, K. C.: 1993, *Elemental abundances in normal late-B and HgMn stars from co-added IUE spectra. 2. Magnesium, aluminium and silicon*, *Astron. Astrophys.* **276**, 393.
43. Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. J.: 1993, *Plasma broadening of Ne II - Ne VI and F IV - F V spectral lines*, *Phys. Rev. E* **47**, 3623.
44. Alexiou, S.: 1994, *Collision operator for isolated ion lines in the standard Stark-broadening theory with applications to the Z scaling in the Li isoelectronic series 3p-3s transitions*, *Phys. Rev. A* **49**, 106.

45. Fill, E. E., Schoning, T.: 1994, *Linewidth Calculations of Si-II+ and Mg-9+ Resonance Lines and Applications to Photoresonant X-Ray Laser Pumping*, J. Appl. Phys. **76**, 1423.
46. Glenzer, S., Hey, J. D., Kunze, H. J.: 1994, *Stark broadening of spectral lines along the isoelectronic sequence of B*, J. Phys. B **27**, 413.
47. Alexiou, S.: 1995, *Problems with the standard semiclassical impact line - broadening theory*, Phys. Rev. Lett. **75**, 3406.
48. Alexiou, S., Maron, Y.: 1995, *Theoretically based closed form formulas for the collision operator for isolated ion lines in the standard Stark - broadening theory*, JQSRT **53**, 109.
49. Chayer, P., Fontaine, G., Wesemael, F.: 1995, *Radiative levitation in hot white dwarfs: Equilibrium theory*, Astrophys. J. Suppl. Series **99**, 189.
50. Chayer, P., Vennes, S., Pradhan, A. K., Thejll, P., Beauchamp, A., Fontaine, G., Wesemael, F.: 1995, *Improved calculations of the equilibrium abundances of heavy elements supported by radiative levitation in the atmospheres of hot DA white dwarfs*, Astrophys. J. **454**, 429.
51. Glenzer, S.: 1995, *Line broadening of nonhydrogenic ions in plasmas*, in Spectral Line Shapes **8**, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 134.
52. Gonzales, J. F., Artru, M.-C., Michaud, G.: 1995, *Radiative accelerations on carbon, nitrogen and oxygen*, Astron. Astrophys. **302**, 788.
53. Gonzales, J. F., LeBlanc, F., Artru, M.-C., Michaud, G.: 1995, *Improvements on radiative acceleration calculations in stellar envelopes*, Astron. Astrophys. **297**, 223.
54. LeBlanc, F., Michaud, G.: 1995, *Radiative accelerations on iron*, Astron. Astrophys. **303**, 166.
55. Mostovych, A. N., Chan, L. Y., Kearney, K. J., Garren, D., Iglesias, C. A., Klapisch, M., Rogers, F. J.: 1995, *Opacity of dense, cold, and, strongly coupled plasmas*, Phys. Rev. Lett. **75**, 1530.
56. Rogers, F. J., Iglesias, C. A.: 1995, *The Opal opacity code: New results*, in Astrophysical Applications of Powerful Databases, eds. S. J. Adelman, W. L. Wiese, ASP Conf. Series **78**, 31.
57. Rogers, F. J., Iglesias, C. A.: 1995, *The Opal Opacity Effort*, in The Opacity Project Vol. 1. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 1.
58. Seaton, M. J.: 1995, *Atomic data for opacity calculations V. Electron impact broadening of some C III lines*, in The Opacity Project Vol. 1. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 147.
59. Djenize, S., Bukvić, S., Srećković, A., Platiša, M.: 1996, *Stark widths of doubly ionized argon spectral lines*, J. Phys. B **29**, 429.
60. Glenzer, S., Kunze, H. J.: 1996, *Stark-Broadening of Resonance Transitions in B-III*, Phys. Rev. A **53**, 2225.

61. Menart, J., Heberlein, J., Pfender, E.: 1996, *Line-by-Line Method of Calculating Emission Coefficients for Thermal Plasmas Consisting of Monoatomic Species*, JQSRT **56**, 377.
62. Menart, J., Heberlein, J., Pfender, E.: 1996, *Theoretical Radiative Emission Results for Argon/Copper Thermal Plasmas*, Plasma Chemistry and Plasma Processing **16**, S245.
63. Peach, G.: 1996, *Collisional broadening of spectral lines*, in Atomic, Molecular, & Optical Physics. Handbook, ed. G. W. F. Drake, AIP Press, Woodbury, New York, 669.
64. Wrubel, Th., Glenzer, S., Buescher, S., Kunze, H.-J., Alexiou, S.: 1996, *Line profile measurements of the  $2s3s$ - $2s3p$  singlet and triplet transitions in Ne VII*, Astron. Astrophys. **306**, 1023.
65. Alexiou, S.: 1997, *Closing in on Stark Broadening for weakly coupled plasmas*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 79.
66. Heading, D. J., Machacek, A., Whitford, L. C., Varney, A. J., Wark, J. S., Lee, R. W., Stamm, R., Talin, B.: 1997, *Rapid generation of approximate optical spectra of dense cool plasmas*, J. Quant. Spectrosc. Radiative Transfer **58**, 619.
67. Heading, D. J., Wark, J. S., Lee, R. W., Stamm, R., Talin, B.: 1997, *Comparison of the Semiclassical and Modified Semiempirical Method of Spectral Calculation*, Phys. Rev. E **56**, 936.
68. Michaud, G., Richer, J.: 1997, *Line Profiles and Actor: Abundance Anomalies in Stars*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 397.
69. Seaton, M. J.: 1997, *Radiative Accelerations in Stellar Envelopes*, MNRAS **289**, 700.
70. Wetzler, H., Suss, W., Stockl, C., Tauschwitz, A., Hoffmann, D. H. H.: 1997, *Density Diagnostics of an Argon Plasma by Heavy-Ion Beams and Spectroscopy*, Laser and Particle Beams **15**, 449.
71. Wrubel, Th., Glenzer, S., Buscher, S., Kunze, H. J.: 1997, *Line Profile Measurements in a Gas-Liner Pinch Discharge*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 71.
72. Ahmad, I., Buscher, S., Wrubel, T., Kunze, H. J.: 1998, *Experimental Stark Widths of Kr-III*, Physical Review E **58**, 6524.
73. Decker, C. D., London, R. A.: 1998, *Designs for a Compact Ni-Like-Tungsten X-Ray Laser*, Physical Review A **57**, 1395.
74. Djenize, S., Milosavljević, V.: 1998, *Measured Stark widths and shifts of several N III spectral lines: Temperature dependence*, Astron. Astrophys. Suppl. Series **131**, 355.
75. Djenize, S., Platiša, M., Srećković, A.: 1998, *Measured, calculated and estimated Stark width values*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 397.

76. Milosavljević, V., Djeniže, S.: 1998, *Measured Stark widths and shifts of N II, N III and N IV spectral lines*, Astron. Astrophys. Suppl. Series **128**, 197.
77. Milosavljević, V., Konjević, R., Djeniže, S.: 1998, *Stark width of the 463.054 nm N II spectral line*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 393.
78. O'Reilly, F., Dunne, P.: 1998, *3D Photoabsorption in Zn-III and Ge-V*, Journal of Physics B **31**, L141.
79. O'Reilly, F., Dunne, P.: 1998, *3D Photoabsorption in Zn-II, Ga-III and Ge-IV*, Journal of Physics B **31**, 1059.
80. Wrubel, T., Ahmad, I., Buscher, S., Kunze, H. J.: 1998, *Stark-Broadening Along the Berylliumlike Sequence*, Physical Review E **57**, 5972.
81. Blagojević, B., Popović, M. V., Konjević, N.: 1999, *Stark Broadening of Spectral Lines of Singly Ionized C, N, O, F and Ne*, Physica Scripta **59**, 374.
82. Djeniže, S.: 1999, *Measured, calculated and estimated Stark widths of the 580.133 nm and 581.198 nm C IV spectral lines*, Proc. XII Nat. Conf. Yug. Astron. and Int. Workshop on the Development of Astronomical Databases, eds. L. Č. Popović, M. Dačić, Publ. Astron. Obs. Belgrade **65**, 59.
83. Djeniže, S.: 1999, *Measured, calculated and estimated Stark width of the 381.135 nm O VI spectral line*, J. Res. Phys. **28**, 231.
84. Djeniže, S., Bukvić, S., Mišković, D.: 1999, *Measured Stark widths of several Ar IV spectral lines*, Proc. XII Nat. Conf. Yug. Astron. and Int. Workshop on the Development of Astronomical Databases, eds. L. Č. Popović, M. Dačić, Publ. Astron. Obs. Belgrade **65**, 67.
85. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
86. Milosavljević, V., Konjević, R., Djeniže, S.: 1999, *Temperature dependence of Stark width of the 463.054 nm N II spectral line*, Astron. Astrophys. Suppl. Series **135**, 565.
87. Porquerusse, A., Alexiou, S.: 1999, *Fast analytic formulas for the modified Bessel functions of imaginary order for spectral line broadening calculations*, J. Quant Spectrosc. Radiative Transfer **62**, 389.
88. Porquerusse, A., Alexiou, S.: 1999, *Improved closed-form formulas for the collision operator for isolated ion lines in the standard Stark-broadening theory*, JQSRT **61**, 209.
89. Rogers, F. J., Iglesias, C. A.: 1999, *Opacity of stellar matter*, Space Science Reviews **85**, 61.
90. Blagojević, B., Popović, M. V., Konjević, N.: 2000, *Stark line broadening of 3s-3p and 3p-3d transitions of doubly ionized C, N, O, F and N*, J. Quant. Spectrosc. Radiative Transfer **67**, 9.

91. Djeniže, S.: 2000, *Measured, calculated and estimated Stark widths of several Ar IV spectral lines*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 51.
92. Djeniže, S.: 2000, *Measured, calculated and predicted Stark widths of the singly ionized C, N, O, F, Ne, Si, P, S, Cl, and Ar Spectral lines*, Serb. Astron. J. **161**, 89.
93. Djeniže, S., Milosavljević, V.: 2000, *Stark broadening in the Ne II 3s <sup>4</sup>P-3p <sup>4</sup>D<sup>o</sup> multiplet*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 59.
94. Djeniže, S., Milosavljević, V.: 2000, *Experimental Stark widths in the Ne II spectrum*, 2000, Proc. 3rd Belarussian-Yugoslav Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasma (PDP-III'2000), Minsk, September 17-21, 2000, eds. V. S. Burakov, M. S. Dimitrijević, Publ. Astron. Obs. Belgrade **68**, 87.
95. Gonzalez, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2000, *Stark width and shift measurements of visible Si III lines*, Astron. Astrophys. **363**, 1177.
96. Konjević, R., Konjević, N.: 2000, *On the Stark broadening of singly ionized tin lines*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 281.
97. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
98. Mar, S., Aparicio, J. A., de la Rosa, M. I., del Val, J. A., Gigosos, M. A., Gonzales, V. R., Perez, C.: 2000, *Measurement of Stark broadening and shift of visible N II lines*, J. Phys. B **33**, 1169
99. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2000, *Experimental Stark width of the 581.198 nm C IV spectral lines*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 115.

100. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2000, *Stark broadening parameters in C II, C III and C IV spectra*, J. Phys. B **33**, 4873.
101. Srećković, A., Drinčić, V., Djeniže, S.: 2000, *Stark widths in the C II  $3s^2S - 3p^2P^o$  transition*, Proc. 3rd Belarussian-Yugoslav Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasma (PDP-III'2000), Minsk, September 17-21, 2000, eds. V. S. Burakov, M. S. Dimitrijević, Publ. Astron. Obs. Belgrade **68**, 155.
102. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
103. Chenais-Popovics, C., Fajardo, M., Gilleron, F., Teubner, U., Gauthier, J. C., Bauche-Arnoult, C., Bachelier, A., Bauche, J., Blenski, T., Thais, F., Perrot, F., Benuzzi, A., Turck-Chieze, S., Chieze, J. P., Dorchiez, F., Andiel, U., Foelsner, W., Eidmann, K.: 2001, *L-band x-ray absorption of radiatively heated nickel*, Physical Review E **65**, 016413.
104. Djeniže, S., Bukvić, S., Mišković, D.: 2001, *Stark widths and shifts of triply ionized argon spectral lines*, Astron. Astrophys **367**, 737.
105. Djeniže, S., Milosavljević, V.: 2001, *Experimental Stark widths in the Ne II spectrum*, 2000, Proc. 3rd Belarussian-Yugoslav Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasma (PDP-III'2000), Minsk, September 17-21, 2000, eds. V. S. Burakov, M. S. Dimitrijević, Publ. Astron. Obs. Belgrade **68**, 87.
106. Djeniže, S., Srećković, A., Kalezić, S.: 2001, *Measured, calculated and predicted Stark widths along a beryllium isoelectronic sequence in the  $3s-3p$  transition*, Serb. Astron. J. **164**, 21.
107. Jiaolong Zeng, Jianmin Yuan, Qisheng Lu: 2001, *Photoionization of O III low-lying states: Autoionization resonance energies and widths of some  $1s-2p$  excited states*, Journal of Physics B **34**, 2823.
108. Jiaolong Zeng, Jianmin Yuan, Qisheng Lu: 2001, *Detailed - term - accounting - approximation calculations of the radiative opacity of laser - produced Al plasmas*, Physical Review E **64**, 066412.
109. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2001, *Stark width of spectral lines dependence for the  $ns - n'p$  and  $np - n's$  transitions of Li-like ions*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 516.
110. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
111. Konjević, N., Fuhr, J. R., Wiese, W. L.: 2001, *Plasma Broadening and Shift of Non-Hydrogenic Spectral Lines: An Overview of Recent Results*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 117.
112. Ralchenko, Yu. V., Griem, H. R., Bray, I., Fursa, D. V.: 2001, *Electron collisional broadening of  $2s3s-2p3p$  lines in Be-like ions*, J. Quant. Spectrosc. Radiat. Transfer **71**, 595.



113. Djeniže, S., Srećković, A., Bukvić, S.: 2002, *Experimental transition probabilities in N III, N IV and N V spectra*, European Physical Journal D **20**, 11.
114. Ivković, I., Ben Nessib, N., Konjević, N.: 2002, *Stark broadening of  $3p^3D - 3d^3F^o$  transitions along carbon isoelectronic sequence of ions*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 294.
115. Jiaolong Zeng, Jianmin Yuan: 2002, *Detailed - term - accounting - approximation calculations of the radiative opacity of aluminium plasmas: A systematic study*, Physical Review E **66**, 06401.
116. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
117. Menart, J., Malik, S.: 2002, *Net emission coefficients for argon-iron thermal plasmas*, J. Phys. D **35**, 867.
118. Riviere, Ph.: 2002, *Systematic semi-classical calculations of Stark broadening parameters of NI, OI, NII, OII multiplets for modeling the radiative transfer in atmospheric air mixture plasmas*, J. Quant. Spectrosc. Radiat. Transfer **73**, 91.
- 13. M. S. Dimitrijević, N. Konjević: 1981, JQSRT 25, 387 [A 13].**
1. Kallne, E., Jones, L. A.: 1981, *Reply to the preceding note on the Stark broadening of ionized nitrogen lines*, JQSRT **25**, 393.
  2. Brown, P. J. E., Dufton, P. L., Lennon, D. J., Keenan, F. P., Kilkenny, D.: 1986, *The chemical composition of the young open cluster NGC 6611*, Astron. Astrophys. **155**, 113.
  3. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Stark broadening and regularities of prominent multiply ionized nitrogen spectral lines*, Phys. Rev. A **36**, 3957.
  4. Istrefi, L.: 1989, *Stark broadening of spectral lines in some N(II) and C(III) multiplets in Z-pinch plasma*, Revue Roumaine de Physique **33**, 667.
  5. Djeniže, S., Srećković, A., Platiša, M., Labat, J., Konjević, R., Purić, J.: 1990, *Measurement of Stark width of some Ar I transitions in a D. C. argon plasma jet at atmospheric pressure*, JQSRT **44**, 405.
  6. Djeniže, S., Milosavljević, V.: 1998, *Measured Stark widths and shifts of several N III spectral lines: Temperature dependence*, Astron. Astrophys. Suppl. Series **131**, 355.
  7. Milosavljević, V., Djeniže, S.: 1998, *Measured Stark widths and shifts of N II, N III and N IV spectral lines*, Astron. Astrophys. Suppl. Series **128**, 197.

8. Blagojević, B., Popović, M. V., Konjević, N.: 2000, *Stark line broadening of 3s-3p and 3p-3d transitions of doubly ionized C, N, O, F and Ne*, J. Quant. Spectrosc. Radiative Transfer **67**, 9.
14. **M. S. Dimitrijević, N. Konjević: 1981, in Spectral Line Shapes I, ed. B. Wende, W. de Gruyter, 211 [Д 1].**
  1. Konjević, N.: 1982, *Stark broadening of nonhydrogenic atom and ion lines in plasmas (an overview of experimental data)*, in Phys. Ioniz. Gases, ed. G. Pichler, 417.
  2. Miller, M. H., Lesage, A., Abadie, D.: 1982, *Experimental Stark widths of Xe II and trends in the broadening of homologous rare - gas ions*, Phys. Rev. A **25**, 2064.
  3. Бабин, С. А., Донин, В. И.: 1985, *Провал Лемба и времена жизни нижних лазерных уровней иона Ar III*, Опт. Спектроск. **59**, 983.
  4. Рябцев, А. Н.: 1986, *Уширение в плазме атомных уровней смещенных термов, лежащих ниже границы ионизации*, Письма в ЖЭТФ **44**, 124.
  5. Ehrich, H., Kaplan, J., Muller, K. G.: 1986, *Initiation of arcing at a plasma - wall contact*, IEEE Trans. Plasma Sci. **PS-14**, 603.
  6. Konjević, N., Pittman, T. P.: 1987, *Stark broadening of spectral lines of homologous, doubly - ionized inert gases*, JQSRT **37**, 311.
  7. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Stark broadening and regularities of prominent multiply ionized nitrogen spectral lines*, Phys. Rev. A **36**, 3957.
  8. Djeniže, S., Srećković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, *Stark broadening and shift of multiply ionized carbon spectral lines*, Z. Phys. D **9**, 129.
  9. Griem, H. R.: 1988, *Plasma shifts of ion lines*, J. Phys. (Paris) Colloque Cl, Suppl. au No 3, **49**, Cl-293.
  10. Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Stark - broadening regularities of lithium - like and sodium - like isoelectronic sequences*, Z. Phys. D **10**, 431.
  11. Purić, J., Djeniže, S., Srećković, J., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika **20**, 485.
  12. Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Stark broadening and regularities of ionized neon and argon spectral lines*, Z. Phys. D **8**, 343.
  13. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Stark - broadening regularities of prominent multiply - ionized - oxygen spectral lines in plasma*, Phys. Rev. A **37**, 498.
  14. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Stark broadening and regularities of prominent spectral lines of multiply ionized chlorine and fluorine*, Phys. Rev. A **37**, 4380.
  15. Seaton, M. J.: 1988, *Atomic data for opacity calculations VIII. Line - profile parameters for 42 transitions in Li - like and Be - like ions*, J. Phys. B **21**, 3033.

16. Griem, H. R.: 1989, *Stark broadening in multielectron atoms and ions*, in Spectral Line Shapes **V**, ed. J. Szudy, Ossolineum, Wroclaw, 17.
17. Konjević, N.: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
18. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1989, *Stark width regularities within several ionization stages of Kr and Xe*, XIX ICPIG, Beograd, 328.
19. Djeniže, S., Srećković, A., Platiša, M., Konjević, R., Labat, J., Purić, J.: 1990, *Stark broadening and shift of singly and doubly ionized sulfur spectral lines*, Physical Review A **42**, 2379.
20. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.
21. Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, *Stark broadening regularities within successive ionization stages of phosphorus*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 69.
22. Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, *Stark broadening regularities within successive ionization stages of phosphorus and sulfur*, Fizika **22**, 583.
23. Wiese, W. L., Konjević, N.: 1990, *A new critical review of experimental Stark widths and shifts*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 48.
24. Purić, J., Djeniže, S., Labat, J., Srećković, A., Platiša, M.: 1991, *Stark broadening regularities within successive ionization stages in krypton and xenon*, Contrib. Plasma Phys. **31**, 63.
25. Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen and Oxygen abundances in early B - type stars*, Astrophys. J. **387**, 673.
26. Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1992, *Measured Stark widths of B I, B II, B III and Na I spectral lines*, Physica Scripta **45**, 320.
27. Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, *Measured Stark widths of doubly and triply ionized silicon spectral lines*, J. Phys. B **25**, 785.
28. Alexiou, S.: 1994, *Collision operator for isolated ion lines in the standard Stark-broadening theory with applications to the Z scaling in the Li isoelectronic series 3P-3S transitions*, Phys. Rev. A **49**, 106.
29. Lemoff, B. E., Barty, C. P. J., Harris, S. E.: 1994, *Femtosecond - pulse - driven, electron - excited XUV lasers in eight - times - ionized noble gases*, Optics Letters **19**, 569.
30. Glenzer, S.: 1995, *Line broadening of nonhydrogenic ions in plasmas*, in Spectral Line Shapes **8**, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 134.

31. Lemoff, B. E., Yinm, G. Y., Gordon, C. L., Barty, C. P. J., Harris, S. E.: 1995, *Demonstration of a 10-Hz femtosecond - pulse - driven XUV laser at 41.8nm in Xe IX*, Phys. Rev. Lett. **74**, 1574.
32. Seaton, M. J.: 1995, *New atomic data for astronomy: An introductory review*, in *Astrophysical Application of Powerful New Databases*, eds. S. J. Adelman, W. L. Wiese, ASP Conf. Series **78**, 1.
33. Seaton, M. J.: 1995, *Atomic data for opacity calculations VIII. Line profile parameters for 42 transitions in Li-like and Be-like ions*, in *The Opacity Project Vol. 1*. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 193.
34. Djeniže, S., Bukvić, S., Srećković, A., Platiša, M.: 1996, *Stark widths of doubly ionized argon spectral lines*, J. Phys. B **29**, 429.
35. Lemoff, B. E., Yin, G. Y., Gordon, C. L., Barty, C. P. J., Harris, S. E.: 1996, *Femtosecond-Pulse-Driven 10-Hz 41.8-nm Laser in Xe-IX*, J. Opt. Soc. of America B-Optical Physics **13**, 180.
36. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
37. Griem, H. R., Ralchenko, Y. V., Bray, I.: 1997, *Stark-Broadening of the B-III 2s-2p Lines*, Physical Review E **56**, 7186.
38. Heading, D. J., Machacek, A., Whitford, L. C., Varney, A. J., Wark, J. S., Lee, R. W., Stamm, R., Talin, B.: 1997, *Rapid generation of approximate optical spectra of dense cool plasmas*, J. Quant. Spectrosc. Radiative Transfer **58**, 619.
39. Heading, D. J., Wark, J. S., Lee, R. W., Stamm, R., Talin, B.: 1997, *Comparison of the Semiclassical and Modified Semiempirical Method of Spectral Calculation*, Phys. Rev. E **56**, 936.
40. Brunner, W., Ritze, H. H.: 1998, *Conditions for XUV Amplification Considering Recombination in Clusters*, Applied Physics B - Lasers and Optics **67**, 47.
41. Djeniže, S., Milosavljević, V.: 1998, *Measured Stark widths and shifts of several N III spectral lines: Temperature dependence*, Astron. Astrophys. Suppl. Series **131**, 355.
42. Milosavljević, V., Djeniže, S.: 1998, *Measured Stark widths and shifts of N II, N III and N IV spectral lines*, Astron. Astrophys. Suppl. Series **128**, 197.
43. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
44. Ralchenko, Y. V., Griem, H. R., Bray, I., Fursa, D. V.: 1999, *Quantum mechanical calculation of Stark widths of Ne VII  $n = 3$ ,  $\Delta n = 0$  transitions*, Phys. Rev. A **59**, 1890.
45. Djeniže, S.: 2000, *Measured, calculated and estimated Stark widths of several Ar IV spectral lines*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 51.

46. Djeniže, S.: 2000, *Measured, calculated and estimated Stark widths of several Ar III spectral lines*, Proc. 3rd Belarussian-Yugoslav Symposium on Physics and Diagnostics of Laboratory and Astrophysical Plasma (PDP-III'2000), Minsk, September 17-21, 2000, eds. V. S. Burakov, M. S. Dimitrijević, Publ. Astron. Obs. Belgrade **68**, 77.
47. Gonzalez, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2000, *Stark width and shift measurements of visible Si III lines*, Astron. Astrophys. **363**, 1177.
48. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2000, *Stark broadening parameters in C II, C III and C IV spectra*, J. Phys. B **33**, 4873.
49. Djeniže, S., Bukvić, S., Mišković, D.: 2001, *Stark widths and shifts of triply ionized argon spectral lines*, Astron. Astrophys. **367**, 737.
50. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
51. Djeniže, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Measured Stark widths of prominent S IV spectral lines*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 344.
52. Djeniže, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Experimental Stark widths and shifts of triply ionized sulfur spectral lines*, Astron. Astrophysics **389**, 1086.
53. Jiaolong Zeng, Jianmin Yuan: 2002, *Detailed - term - accounting - approximation calculations of the radiative opacity of aluminium plasmas: A systematic study*, Physical Review E **66**, 06401.
54. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 15. N. Konjević, M. S. Dimitrijević: 1981, in Spectral Line Shapes I, ed. B. Wende, W. de Gruyter, 241 [I 2].**
  1. Purić, J.: 1981, *Regularities and trends in Stark parameters of neutral and ion spectral lines*, XV ICPIG, Minsk 1981, Invited papers, 311.
  2. Hey, J. D., Breger, P.: 1982, *A classical path calculation of Stark broadening of isolated ion lines by plasmas*, South African J. Phys. **5**, 111.
  3. Konjević, N.: 1982, *Stark broadening of nonhydrogenic atom and ion lines in plasmas (an overview of experimental data)*, in Phys. Ioniz. Gases, ed. G. Pichler, 417.
  4. Wiese, W. L., Konjević, N.: 1982, *Regularities and similarities in plasma broadened spectral line widths (Stark widths)*, JQSRT **28**, 185.
  5. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.

6. Šćepanović, M., Purić, J.: 2003, *Stark width and shift dependence on the rest core charge of the emitters for multiply charged ion spectral lines*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 135.
- 16. M. S. Dimitrijević, P. V. Grujić: 1981, J. Phys. B 14, 1663 [A 14].**
  1. Grujić, P.: 1982, *A classical model for the  $(p + e^- + e^+)$  system*, J. Phys. B **15**, L195.
  2. Grujić, P.: 1982, *The classical theory of near threshold ionisation*, J. Phys. B **15**, 1913.
  3. Mark, T. D.: 1982, *Fundamental aspects of electron - impact ionization*, Int. J. Mass Spectrometry and Ion Phys. **45**, 125.
  4. Grujić, P.: 1983, *The threshold law for double ionization in electron - atom collisions*, J. Phys. B **16**, 2567.
  5. Grujić, P.: 1983, *Threshold laws for double ionization by positrons*, Fizika **15**, 213.
  6. Grujić, P., Tomić, A., Vučić, S.: 1983, *A classical model for the low - energy  $e^+ - H(1s)$  elastic scattering*, J. Chem. Phys. **79**, 1776.
  7. Read, F. H.: 1985, *Threshold behaviour of ionization cross - sections*, in Electron Impact Ionization, eds. T. D. Mark, G. H. Dunn, Springer Verlag, 42.
  8. Grujić, P. V.: 1986, *Classical calculations of the near - threshold multiple - escape processes*, Comm. At. Mol. Phys. **18**, 47.
  9. Samson J. A. R., Angel G. C.: 1988, *Test of the threshold law for triple photoionization in atomic oxygen and neon*, Phys. Rev. Lett. **61**, 1584.
  10. Masuoka T., Koyano I.: 1991, *Dissociative single, double, and triple photoionization of OCS in the region  $h\nu = 20 - 100$  eV studied by mass spectrometry and the photoion - photoion coincidence method*, J. Chem. Phys. **95**, 909.
  11. Masuoka T., Koyano I.: 1991, *Dissociative single and double photoionization of  $CH_3F$  in the region  $20 - 100$  eV studied by mass spectrometry and the photoion - photoion coincidence method*, J. Chem. Phys. **95**, 1619.
  12. Schmidt, V.: 1992, *Photoionization of Atoms using Synchrotron Radiation*, Reports on Progress in Physics **55**, 1483.
  13. Grujić, P. V., Simonović, N.: 1998,  *$e+H$ - Detachment Function - I - The Classical-Dynamic Study*, Journal of Physics B **31**, 2611.
- 17. M. S. Dimitrijević, N. Feautrier, S. Sahal-Bréchet: 1981, J. Phys. B 14, 2559 [A 15].**
  1. Goldbach, C., Nollez, G., Plomdeur, P., Zimmermann, J. P.: 1982, *Stark width measurements of neutral and singly ionized magnesium resonance lines in a wall stabilized arc*, Phys. Rev. A **25**, 2596.
  2. Seaton, M. J.: 1988, *Atomic data for opacity calculations VIII. Line - profile parameters for 42 transitions in Li - like and Be - like ions*, J. Phys. B **21**, 3033.

3. Seaton, M. J.: 1995, *Atomic data for opacity calculations VIII. Line profile parameters for 42 transitions in Li-like and Be-like ions*, in The Opacity Project Vol. 1. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 193.
  4. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
  5. Zhao Zeng-xiu, Yuan Jian-min, Sun Yong-sheng: 1999, *Electron Interaction with Lithium Atoms and Electron Impact Broadening of the Lithium Resonance Line*, Chin. Phys. Lett. **16**, 885.
  6. Riviere, Ph.: 2002, *Systematic semi-classical calculations of Stark broadening parameters of NI, OI, NII, OII multiplets for modeling the radiative transfer in atmospheric air mixture plasmas*, J. Quant. Spectrosc. Radiat. Transfer **73**, 91.
- 18. M. S. Dimitrijević, N. Konjević: 1981, Astron. Astrophys. 102, 93 [A 16].**
1. Goldbach, C, Nollez, G., Plomdeur, P., Zimmermann, J. P.: 1983, *Stark width measurements of neutral and singly ionized calcium resonance lines in a wall stabilized arc*, Phys. Rev. A **28**, 234.
  2. Tsu-Jue A. Nee: 1985, *Near - resonance - Rayleigh scattering measurement on a resonant laser - driven barium plasma*, J. Appl. Phys. **57**, 4968.
  3. Konjević, N: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
  4. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms ( A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.
  5. Bassalo, J. M., Cattani, M.: 1993, *Quantum - mechanical formulas for the electron - impact widths and shifts of isolated lines of neutral atoms and ions in plasmas*, JQSRT **50**, 359.
- 19. M. S. Dimitrijević, P. Grujić, S. Vučić: 1981, Fizika 13, 321 [E 3].**
1. Gryzinski, M., Kunc, A.: 1986, *Collisional ionisation and the atomic model*, J. Phys. B **19**, 2479.
  2. Gryzinski, M.: 1987, *Angular Distribution of Electrons Ejected from Helium by Protons and the ff Atomic Model*, Journal of Physics B **20**, 4741.
  3. Gryzinski, M., Kowalski, M.: 1987, *Scattering of low-energy electrons and model of helium atom*, Fizika **19**, 135.
  4. Grujić, P., Simonović, N.: 1991, *The classical helium atom - An asynchronous - mode model*, J. Phys. B **24**, 5055.
  5. Grujić, P., Simonović, N. S.: 1995, *Semiclassical calculations of intra - shell S resonances of doubly excited helium*, J. Phys. B **28**, 1159.

20. **M. S. Dimitrijević: 1982, in Sun and Planetary Systems, eds. W. Fricke, G. Teleki, Astrophysics and Space Science Library 96, D. Reidel P. C., Dordrecht, Boston, London, 101 [D 3].**
1. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
21. **M. S. Dimitrijević: 1982, Astron. Astrophys. 112, 251 [A 18].**
1. Richou, J., Manola, S., Lebrun, J. L., Lesage, A.: 1984, *Stark broadening measurements of singly ionized xenon*, Phys. Rev. A **29**, 3181.
  2. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  3. Menart, J., Heberlein, J., Pfender, E.: 1996, *Line-by-Line Method of Calculating Emission Coefficients for Thermal Plasmas Consisting of Monoatomic Species*, JQSRT **56**, 377.
  4. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, Zh. Prikl. Spektrosk. **63**, 816.
  5. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, J. Appl. Spectrosc. **63**, 690.
  6. Djeniže, S., Milosavljević, V., Srećković, A.: 1997, *Measured Stark Widths and Shifts of Singly Ionized Oxygen Spectral Lines in Lower Multiplets*, J. Quant. Spectrosc. Radiative Transfer **59**, 71.
  7. del Val, J. A., Aparicio, J. A., Gonzales, V., Mar, S.: 1999, *Measurement of Stark widths in single ionized oxygen*, Astronomy and Astrophysics Supplement Series **140**, 171.
  8. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2001, *Stark broadening parameters and transition probabilities in the O II spectrum*, Physica Scripta **63**, 306.
  9. Riviere, Ph.: 2002, *Systematic semi-classical calculations of Stark broadening parameters of NI, OI, NII, OII multiplets for modeling the radiative transfer in atmospheric air mixture plasmas*, J. Quant. Spectrosc. Radiat. Transfer **73**, 91.
  10. Šćepanović, M., Purić, J.: 2003, *Stark width and shift dependence on the rest core charge of the emitters for multiply charged ion spectral lines*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 135.
22. **M. S. Dimitrijević: 1982, in Phys. Ioniz. Gases, ed. G. Pichler, 397 [B 1].**
1. Konjević, N.: 1982, *Stark broadening of nonhydrogenic atom and ion lines in plasmas (an overview of experimental data)*, in Phys. Ioniz. Gases, ed. G. Pichler, 417.
  2. Mar, S., Czernichowski, A., Chapelle, J.: 1985, *Experimental determination of the Stark widths of S II lines*, in Spectral Line Shapes **III**, ed. F. Rostas, W. de Gruyter, 49.



3. Kobzev, G. A.: 1985, *Radiation processes in low - temperature plasma*, in Phys. Ioniz. Gases, ed. M. Popović, P. Krstić, World Scientific, Singapore, 725.
23. **P. K. Cibin, M. S. Dimitrijević: 1982, Int. Conf. on Plasma Physics, Goeteborg 1982, 319 [K 8].**
  1. Cibin, P. K.: 1982, *Influence of the dissipative processes on the propagation of the guided electron plasma waves*, in Phys. Ioniz. Gases, ed. G. Pichler, 465.
24. **N. Konjević, M. S. Dimitrijević: 1983, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, 137 [D 5].**
  1. Konjević, N.: 1985, *Stark broadening of potassium lines*, Phys. Rev. A **32**, 673.
  2. Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *Stark broadening and shift of neutral bromine lines*, J. Phys. B **21**, 739.
25. **M. S. Dimitrijević, N. Konjević: 1983, JQSRT 30, 45 [A 19].**
  1. Konjević, N.: 1982, *Stark broadening of nonhydrogenic atom and ion lines in plasmas (an overview of experimental data)*, in Phys. Ioniz. Gases, ed. G. Pichler, 417.
  2. Cappelli, M. A., Measures, R. M.: 1984, *Two - channel technique for Stark measurements of electron density within a laser - produced sodium plasma*, Appl. Optics **23**, 2107.
  3. Konjević, N.: 1985, *Stark broadening of potassium lines*, Phys. Rev. A **32**, 673.
  4. Konjević, R., Platiša, M., Konjević, N.: 1985, *Stark broadening of Br I lines*, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, 57.
  5. Musiol, K., Pokrzywka, B., Labuz, S.: 1985, *Measurements of Stark widths of Ge I lines*, XVII ICPIG, Budapest, 1025.
  6. Салахов, М. Х., Сарандаев, Е. В., Фишман, И. С.: 1985, *Параметры Штарковского уширения нейтрального и однократно ионизованного свинца*, Опт. Спектроск. **59**, 200.
  7. Musiol, K., Pokrzywka, B., Labuz, S.: 1986, *Measurements of Stark widths of Ge I lines*, Ann. Physique, Coll. No 3, Suppl. **11**, 143.
  8. Pokrzywka, B., Musiol, K.: 1987, *Iterative method of correcting measured total intensity of a spectral line for the reabsorption effect (end - on - measurement)*, Acta Phys. Pol. **72A**, 547.
  9. Purić, J., Djeniže, S., Srećković, A., Milosavljević, M., Labat, J.: 1987, *Stark widths and shifts of O III and O IV lines*, XVIII ICPIG, Swansea, 486.
  10. Purić, J., Srećković, A., Djeniže, S., Platiša, M., Cekić, M.: 1987, *Stark widths and shifts of Cl II, Cl III and Cl IV lines*, XVIII ICPIG, Swansea, 484.
  11. Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *Stark broadening and shift of neutral bromine lines*, J. Phys. B. **21**, 739.
  12. Musiol, K., Labuz, S., Pokrzywka, B.: 1988, *Measurement of some plasma - broadened Ge I spectral line profiles*, JQSRT **40**, 143.

13. Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, *Fizika* **20**, 485.
14. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Stark - broadening regularities of prominent multiply - ionized - oxygen spectral lines in plasma*, *Phys. Rev. A* **37**, 498.
15. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Stark broadening and regularities of prominent spectral lines of multiply ionized chlorine and fluorine*, *Phys. Rev. A* **37**, 4380.
16. Griem, H. R.: 1989, *Stark broadening in multielectron atoms and ions*, in *Spectral Line Shapes V*, ed. J. Szudy, Ossolineum, Wroclaw, 17
17. Konjević, N.: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
18. Сарандаев, Е. В., Салахов, М. Х.: 1989, *Параметры Штарковского уширения линий нейтрального свинца и однократно ионизованной меди*, *Опт. Спектроск.* **66**, 463.
19. Djeniže, S., Srećković, A., Platiša, M., Labat, J., Konjević, R., Purić, J.: 1990, *Measurement of Stark width of some Ar I transitions in a D. C. argon plasma jet at atmospheric pressure*, *JQSRT* **44**, 405.
20. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (A critical review of selected data for the period 1983 through 1988)*, *J. Phys. Chem. Ref. Data* **19**, 1307.
21. Fishman, I. S., Sarandaev, E. V., Salakhov, M. Kh.: 1994, *Experimental determination of the Stark parameters of Pb I, Pb II and Cu II spectral lines in a plasma of the pulse capillary discharge*, *JQSRT* **52**, 887.
22. Djurović, S.: 1995, *Plasma broadening of neutral halogen lines*, *Physics of Ionized Gases*, ed. D. Veža, Nova Science Publishers Inc., 429.
23. Baclawski, A., Goly, A., Ksiazek, I., Wujec, T.: 1997, *Stark Effect in Some Lines of Br I*, *Spectral Line Shapes* **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 307.
24. Konjević, R., Konjević, N.: 1997, *On the Use of Nonhydrogenic Spectral-Line Profiles for Electron-Density Diagnostics of Inductively-Coupled Plasmas*, *Spectrochimica Acta B* **52**, 2077.
25. Born, M.: 1999, *Line broadening measurements and determination of the contribution of radiation diffusion to thermal conductivity in a high-pressure zinc discharge*, *Journal of Physics D: Applied Physics* **32**, 2492.
26. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, *Physics Reports* **316**, 339.
27. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, *J. Quant. Spectrosc. Radiat. Transfer* **67**, 105.
28. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, *Plasma Source Sci. Technol.* **10**, 356.

29. Baclawski, A., Golly, A., Ksiazek, I., Wujec, T.: 2002, *Stark effect in some lines of neutral bromine*, J. Quant. Spectrosc. Radiat. Transfer **72**, 1.
26. M. S. Dimitrijević, P. Grujić: 1983, J. Phys. B **16**, 297 [A 20].
1. Grujić, P.: 1983, *Threshold laws for double ionization by positrons*, Fizika **15**, 213.
  2. Grujić, P. V.: 1984, *Energy distribution in the near - threshold electron - impact ionization of atoms and ions*, Phys. Rev. A **30**, 3012.
  3. Temkin, A.: 1984, *The Coulomb - dipole theory of the  $e^{\pm}$  - atom impact ionization*, in Electronic and Atomic Collisions, Elsevier, eds. S. J. Eichler et al, 755.
  4. Grujić, P. V.: 1986, *Classical calculations of the near - threshold multiple - escape processes*, Comm. At. Mol. Phys. **18**, 47.
  5. Wetmore, A. E., Olson, R. E.: 1986, *Ionization of H and He<sup>+</sup> by electrons and positrons colliding at near threshold energies*, Phys. Rev. A **34**, 2822.
  6. Simonović, N., Grujić, P.: 1987, *Small - energy three - body systems: I. Threshold laws for the Coulomb interaction*, J. Phys. B **20**, 3427.
  7. Charlton, M.: 1990, *The physics of low - energy positron collisions*, Physica Scripta **42**, 164.
  8. Charlton, M., Laricchia, G.: 1990, *Positron impact phenomena*, J. Phys. B **23**, 1045.
  9. Schultz, D. R., Meng, L., Olson, R. E.: 1992, *Classical description and calculation of ionization in collisions of 100 eV electrons and positrons with He and H<sub>2</sub>*, J. Phys. B **25**, 4601.
  10. Rost, J. M.: 1995, *Threshold ionization of atoms by electron and positron impact*, J. Phys. B **28**, 3003.
  11. Sil, N. C., Roy, K.: 1996, *Threshold Law for Ionization of Atomic-Hydrogen by Positron-Impact*, Phys. Rev. A **54**, 1360.
  12. Miyashita, N., Watanabe, S., Matsuzava, M., Macek, J. H.: 1999, *Influence of short-range interference on ionization threshold law*, Phys. Rev. A **61**, 014901
  13. Roy, U., Roy, K., Sil, N. C.: 2000, *Threshold limit of electron and positron impact ionization of hydrogen atom in the effective charge model*, Physica Scripta **62**, 300.
27. V. Vujnović, Č. Vadla, V. Lokner, M. S. Dimitrijević: 1983, Astron. Astrophys. **123**, 249 [A 21].
1. Mar, S., Czernichowski, A., Chapelle, J.: 1986, *Experimental Stark parameters for some spectral lines in SF<sub>6</sub> plasma*, J. Phys. D **19**, 43.
  2. Djurović, S., Konjević, N.: 1988, *Stark shift and broadening of F I and C II lines*, Z. Phys. D **10**, 425.
  3. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.

4. Hong, D., Fleurier, C.: 1993, *Stark width measurement of Si II and F I spectral lines in a Z - pinch plasma*, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova, 123.
5. Djurović, S.: 1995, *Plasma broadening of neutral halogen lines*, *Physics of Ionized Gases*, ed. D. Veža, Nova Science Publishers Inc., 429.
6. Placentino, L., Colombo, E., Emolumento, E., Paganini, E., Piemontese, V., Tondello, G.: 1996, *Spectroscopic measurements of radial distribution of electron density and temperature in a SF<sub>6</sub> plasma*, *Pure and Applied Optics* **5**, 471.
7. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, *Physics Reports* **316**, 339.
- 28. M. S. Dimitrijević, S. Sahal-Bréchet: 1983, XVI Int. Conf. Phen. Ioniz. Gases, Dusseldorf, 628 [3 30].**
  1. Bassalo, J. M., Cattani, M.: 1993, *Quantum - mechanical formulas for the electron - impact widths and shifts of isolated lines of neutral atoms and ions in plasmas*, *JQSRT* **50**, 359.
- 29. M. S. Dimitrijević: 1983, Astron. Astrophys. 127, 68 [A 22].**
  1. Lennon, D. J., Lynas-Gray, A. E., Brown, P. J. F., Dufton, P. L.: 1986, *Non - LTE calculations of silicon - line strengths in B - type stars*, *Mon. Not. Roy. Astron. Soc.* **222**, 719.
  2. Lesage, A., Lebrun, J. I., Miller, M. H., Manola, S.: 1989, *The singly ionized silicon spectra: Transition probabilities and Stark parameters of astrophysical interest, and unexpected results*, XIX ICPIG, Beograd, 280.
  3. Kilian, J., Montenbruck, O., Nissen, P. E.: 1991, *Chemical abundance in early B - type stars II. Line identification and atomic data for high resolution spectra*, *Astron. Astrophys. Suppl. Series* **88**, 101.
  4. Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen and Oxygen abundances in early B - type stars*, *Astrophys. J.* **387**, 673.
  5. Cugier, H.: 1993, *Modeling line - profiles in Beta - Cephei stars including temperature and pressure effects*, *Acta Astronomica* **43**, 27.
  6. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  7. Topilskaya, G. P.: 1993, *Evolutionary status and chemical composition of the atmospheres of He weak stars*, *Astrofiz. Issled. (Izv. SAO)* **36**, 52.
  8. Golovatyj, V. V., Sapor, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, *Astron. Astrophys. Transactions* **12**, 85.
  9. Gonzalez, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2000, *Stark width and shift measurements of visible Si III lines*, *Astron. Astrophys.* **363**, 1177.
  10. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.

**30. M. S. Dimitrijević, S. Sahal-Bréchet: 1984, JQSRT 31, 301 [A 23].**

1. Andersson, M., Pendrill, L. R.: 1984, *Improved Measurements of the Hyperfine Structure of the  $1s3s^3S_1$  State of  $He_3$* , Physica Scripta **30**, 403.
2. Pittman, T., Konjević, N.: 1985, *Width and shift measurements of spectral lines of He I in a proton gas*, in Spectral Line Shapes **III**, ed. F. Rostas, W. de Gruyter, 71.
3. Kelliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L. Zhu, S. F.: 1986, *Emission spectrometry*, Analyt. Chem. **58**, 335R.
4. Dimitrov, D. L.: 1987, *The interacting binary Beta Lyr. II. Non-LTE model analysis and evolutionary conclusions*, Bull. Astron. Inst. Czechosl. **38**, 240.
5. Musielok, B., Madej, J.: 1988, *Variability of Balmer lines in Ap stars*, Astron. Astrophys. **202**, 143.
6. Bohlender, D. A.: 1989, *Delta Orionis C and HD 58260: Peculiar helium - strong stars?*, Astrophys. J. **346**, 459.
7. Guimerans, Y., Iglesias, E. J., Mandelbaum, D., Sanchez, A.: 1989, *Stark broadening measurement of the line 2058,13 nm of neutral helium in a linear discharge*, JQSRT **42**, 39.
8. Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Influence of ion dynamics on the width and shift of isolated He I lines in plasmas*, Phys. Rev. A **40**, 3871.
9. Konjević, N.: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
10. Uzelac, N. I., Kobilarov, R., Konjević, N.: 1989, *Broadening and shift of neutral helium lines in pulsed arc plasma*, XIX ICPIG, Beograd, 346.
11. Vujičić, B. T., Djurović, S., Halenka, J.: 1989, *The Stark broadening of the He I 667.8 nm line*, Z. Phys. D **11**, 119.
12. Dufton, P. L., Brown, P. J. F., Fitzsimmons, A., Lennon, D. J.: 1990, *The chemical composition of the northern double cluster h and chi Persei and the loose association Cepheus OB III*, Astron. Astrophys. **232**, 431.
13. Konjević, N.: 1990, *Ion - dynamic effects in non - hydrogenic spectra*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 19.
14. Сахибулин, Н. А., Шаберт, В. Я.: 1990, *Роль блендирования в образовании синглетных линий гелия в атмосферах Вр - звезд*, Письма в Астрон. Журнал **16**, 539.
15. Konjević, N.: 1991, *Influence of ion - dynamics on the width and shift of non - hydrogenic spectral lines in plasmas*, in Elementary processes in clusters, lasers and plasmans, eds. T. D. Mark, R. W. Schrittwieser, Studia, Innsbruck, 344.
16. Perez, C., De la Rosa, I., De Frutos, A. M., Mar, S.: 1991, *Calibration of Stark broadening parameters for some He I lines*, Phys. Rev. A **44**, 6785.

17. Thejll, P., Vennes, S., Shipman, H. L.: 1991, *A critical analysis of the ultraviolet temperature scale of the helium - dominated DB and DBV white dwarfs*, *Astrophys. J.* **370**, 355.
18. Heading, D. J., Marangos, J. P., Burges, D. D.: 1992, *Helium spectral line-shapes in a dense, cool, Z - pinch plasma*, *J. Phys. B* **25**, 4745.
19. Jeffery, C. S., Heber, U.: 1992, *The Extreme Helium Star BD 9<sup>0</sup> 4395*, *Astron. Astrophys.* **260**, 133.
20. Luttermoser, D. G., Johnson, H. R.: 1992, *Ionization and excitation in cool giant stars. I. Hydrogen and helium*, *Astrophys. J.* **388**, 579.
21. Vennes, S.: 1992, *The constitution of the atmospheric layers and the extreme ultraviolet spectrum of hot hydrogen - rich white dwarfs*, *Astrophys. J.* **390**, 590.
22. Vennes, S., Fontaine, G.: 1992, *An interpretation of the Spectral Properties of Hot Hydrogen-Rich White Dwarfs with Stratified H/He Model Atmospheres*, *Astrophys. J.* **401**, 288.
23. Dufton, P. L., Conlon, E. S., Keenan, F. P., McCausland, R. J. H., Holmgren, D. E.: 1993, *3 Stars at High Galactic Latitudes with Peculiar Helium Abundances*, *Astron. Astrophys.* **269**, 201.
24. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
25. Bergeron, P., Wesemael, F., Beauchamp, A., Wood, M. A., Lamontagne, R., Fontaine, G., Liebert, J.: 1994, *A spectroscopic analysis of DAO and hot white dwarfs: The implications of the presence of helium and the nature of DAO stars*, *Astrophys. J.* **432**, 305.
26. Gray, R. O., Corbally, C. J.: 1994, *The calibration of MK spectral classes using spectral synthesis. I. The effective temperature calibration of dwarf stars*, *Astron. J.* **107**, 742.
27. Linnell, A. P., Hubeny, I.: 1994, *A spectrum synthesis program for binary stars*, *Astrophys. J.* **434**, 738.
28. Piskunov, N., Ryabchikova, T. A., Kuschnig, R., Weiss, W. W.: 1994, *Spectrum variability of ET Andromedae: Si and He surface mapping*, *Astron. Astrophys.* **291**, 910.
29. Sasselov, D. D., Lester, J. B.: 1994, *The He I lambda 10830 line in classical cepheids II. Mechanism of formation*, *Astrophys. J.* **423**, 785.
30. Захарова, Л. А.: 1994, *Исследование атмосфер двух HgMn-звезд с предполагаемыми аномалиями благородных газов*, *Астрон. Ж.* **71**, 588.
31. Buescher, S., Glenzer, S., Wrubel, Th., Kunze, H.-J.: 1995, *Profiles of the He I 2<sup>3</sup>P - 3<sup>3</sup>D line at high densities*, *JQSRT* **54**, 73.
32. Kuschnig, R., Ryabchikova, T., Piskunov, N., Weiss, W. W., LeContel, J. M.: 1995, *The atmosphere of the peculiar binary system Eta Andromedae*, *Astron. Astrophys.* **294**, 757.

33. Ben Nessib, N., Ben Lakhdar, Z., Sahal-Bréchet, S.: 1996, *Stark-Broadening of Neutral Oxygen Lines in the Impact and Quasi-Static Approximations*, *Physica Scripta* **54**, 608.
34. Vennes, S., Thejll, P. A., Wickramasinghe, D. T., Bessell, M. S.: 1996, *Hot White-Dwarfs in the Extreme-Ultraviolet Explorer Survey. I. Properties of a Southern-Hemisphere Sample*, *Astrophys. J.* **467**, 782.
35. Vujnović, V.: 1996, *A Note on the Hydrogen and Helium Spectral Line Profiles in Low Density Plasmas*, in *Model Atmospheres and Spectrum Synthesis*, ASP Conference Series, eds. S. J. Adelman, F. Kupka, W. W. Weiss, **108**, 134.
36. Ben Nessib, N., Ben Lakhdar, Z., Sahal-Bréchet, S.: 1997, *Semiclassical Stark Broadening Calculations of Neutral Oxygen Lines*, *Spectral Line Shapes* **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 117.
37. Harmanec, P., Hadrava, P., Yang, S., Holmgren, D., North, P., Koubsky, P., Kubat, J., Poretti, E.: 1997, *Search for Forced-Oscillations in Binaries .I. The Eclipsing and Spectroscopic Binary V436 Persei-1 Persei*, *Astron. Astrophys.* **319**, 867.
38. Zboril, M., North, P., Glagolevskij, Y. V., Betrix, F.: 1997, *Properties of He-Rich Stars .I. Their Evolutionary State and Helium Abundance*, *Astron. Astrophys.* **324**, 949.
39. Terzi, N., Sahal - Bréchet, S., Ben Lakhdar, Z.: 1998, *Stark Profiles of Infra-red Helium Lines*, *Astronomy and Astrophysics Supplement Series* **133**, 229.
40. Unglaub, K., Bues, I.: 1998, *The Effect of Diffusion and Mass-Loss on the Helium Abundance in Hot White-Dwarfs and Subdwarfs*, *Astronomy and Astrophysics* **338**, 75.
41. Jeffery, C. S., Woolf, V. M., Pollacco, D. L.: 2001, *Time-resolved spectral analysis of the pulsating helium star V652 Her*, *Astronomy and Astrophysics* **376**, 497.
42. Labrosse, N., Gouttebroze, P.: 2001, *Formation of helium spectrum in solar quiescent prominences*, *Astronomy and Astrophysics* **380**, 323.
43. Pandey, G., Kameswara Rao, N., Lambert, D. L., Jeffery, C. S., Asplund, M.: 2001, *Abundance analyses of cool extreme helium stars*, *Monthly Notices of Royal Astronomical Society* **324**, 937.
44. Ivković, I., Ben Nessib, N., Konjević, N.: 2002, *Stark broadening of  $3p^3D - 3d^3F^o$  transitions along carbon isoelectronic sequence of ions*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 294.
45. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysically important 447.15, 587.56 and 667.82 nm He spectral lines broadening*, *Astron. Astrophys.* **393**, 721.

46. Milosavljević, V., Djeniže, S.: 2002, *The He I 706.52 nm line shape characteristics in the plasma diagnostics*, Eur. Phys. J. D **23**, 385.
47. Smith, G. R.: 2003, *Enhancement of the helium resonance lines in the solar atmosphere by suprathreshold electron excitation - II. Non-Maxwellian electron distributions*, Mon. Not. Roy. Astron. Soc. **341**, 143.
- 31. M. S. Dimitrijević, S. Sahal-Bréchet: 1984, Astron. Astrophys. 136, 289 [A 24].**
1. Kelliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L. Zhu, S. F.: 1986, *Emission spectrometry*, Analyt. Chem. **58**, 335R.
  2. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
  3. Копылов, И. М., Леушин, В. В., Топильская, Г. П., Цымбал, В. В., Гвоздь, Ю. А.: 1989, *Исследование критериев спектральной классификации и температурной шкалы спектральных классов*, Астрофизические исследования, Известия специальной астрофизической обсерватории **28**, 72.
  4. Michaud, G., Bergeron, P., Heber, U., Wesemael, F.: 1989, *Studies of hot B subdwarfs. VII Non - LTE radiative acceleration of helium in the atmospheres of sdOB stars*, Astrophys. J. **338**, 417.
  5. Mac Donald J., Vennes, S.: 1991, *How much hydrogen is there in a white dwarf?*, Astrophys. J. **371**, 719.
  6. Thejll, P., Vennes, S., Shipman, H. L.: 1991, *A critical analysis of the ultraviolet temperature scale of the helium - dominated DB and DBV white dwarfs*, Astrophys. J. **370**, 355.
  7. Vennes, S.: 1992, *The constitution of the atmospheric layers and the extreme ultraviolet spectrum of hot hydrogen - rich white dwarfs*, Astrophys. J. **390**, 590.
  8. Vennes, S., Fontaine, G.: 1992, *An interpretation of the Spectral Properties of Hot Hydrogen-Rich White Dwarfs with Stratified H/He Model Atmospheres*, Astrophys. J. **401**, 288.
  9. Alecian, G., Michaud, G., Tully, J.: 1993, *Radiative Accelerations on Iron Using Opacity Project Data*, Astrophys. J. **411**, 882.
  10. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  11. Bergeron, P., Wesemael, F., Beauchamp, A., Wood, M. A., Lamontagne, R., Fontaine, G., Liebert, J.: 1994, *A spectroscopic analysis of DAO and hot white dwarfs: The implications of the presence of helium and the nature of DAO stars*, Astrophys. J. **432**, 305.
  12. Ryabchikova, T. A., Stateva, I.: 1996, *Helium lines in the He-weak star 36 Lyncis*, in Model Atmospheres and Spectrum Synthesis, eds. S. J. Adelman, F. Kupka, W. W. Weiss, ASP Conference Series, **108**, 265.



13. Jeffery, C. S., Hamill, P. J., Harrison, P. M., Jeffers, S. V.: 1998, *Spectral Analysis of the Low Gravity Extreme Helium Stars LSS 4357, LS II+33°5 and LSS 99*, Astronomy and Astrophysics **340**, 476.
32. **M. S. Dimitrijević: 1984, J. Phys B 17, L283 [A 25].**
  1. Grabowski, B.: 1987, *Debye shielding and trajectory effects in the phase shift calculations*, XVIII ICPIG, Swansea, 56.
  2. Grabowski B.: 1987, *Effects of Debye shielding in the electron broadening calculations*, Pramana-J. Phys. **29**, 455.
  3. Grabovski B., Czainiski A.: 1990, *Influence of Debye shielding and back reaction on Stark broadening of atomic lines in the quasi - classical impact model*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 86.
33. **M. S. Dimitrijević: 1984, Astron. Astrophys. 131, 327 [A 26].**
  1. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
34. **N. Konjević, M. S. Dimitrijević, W. L. Wiese: 1984, J. Phys. Chem. Ref. Data 13, 649 [B 1].**
  1. Konjević, N.: 1982, *Stark broadening of nonhydrogenic atom and ion lines in plasmas (an overview of experimental data)*, in Phys. Ioniz. Gases, ed. G. Pichler, 417.
  2. Kelleher, D. E., Cooper, J.: 1985, *Shifts of ion lines in plasmas*, in Spectral Line Shapes **III**, ed. F. Rostas, W. de Gruyter, 85.
  3. Goly, A., Weniger, S.: 1986, *Stark broadening of some C(I) and N(I) vacuum ultraviolet lines*, JQSRT **36**, 147.
  4. Kelliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, *Emission spectrometry*, Analyt. Chem., **58**, 335R.
  5. Pittman, T. L., Konjević, N.: 1986, *Stark broadening along homologous sequences of singly ionized noble gases*, JQSRT **35**, 247.
  6. Pittman, T. L., Konjević, N.: 1986, *Experimental study of Stark broadened N II lines from states of high orbital angular momentum*, JQSRT **36**, 289.
  7. Bottcher F., Musielok, J., Kunze, H. J., 1987, *Stark broadening of C IV and N V lines in the vacuum - UV - spectral range*, Phys. Rev. A **36**, 2265.
  8. Konjević, N., Pittman, T. L.: 1987, *Stark broadening of spectral lines of homologous, doubly - ionized inert gases*, JQSRT **37**, 311.
  9. Seaton, M.: 1987, *Atomic data for opacity calculations: V. Electron broadening of some C III lines*, J. Phys. B **20**, 6431.
  10. Bottcher, F., Breger, P., Hey, J. D., Kunze, H. J.: 1988, *Dependence of the Stark broadening on the emitter charge for the 3s - 3p transitions of Li - like ions*, Phys. Rev. A **38**, 2690.
  11. Djenize, S., Srecković, A., Milosavljević, M., Labat, O., Platiša, M., Purić, J.: 1988, *Stark broadening and shift of multiply ionized carbon spectral lines*, Z. Phys. D **9**, 129.
  12. Djurović, S., Konjević, N.: 1988, *Stark shift and broadening of F I and C II lines*, Z. Phys. D **10**, 425.

13. Griem, H. R.: 1988, *Spectral line shapes*, in Astrophysical and laboratory spectroscopy, eds. R. Brown, J. Lang, Scottish Universities Summer School in Physics, 105
14. Griem, H. R.: 1988, *Plasma shifts of ion lines*, J. Phys. (Paris) Colloque C1, Suppl. au No 3, **49**, C1-293.
15. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
16. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Stark broadening and regularities of prominent spectral lines of multiply ionized chlorine and fluorine*, Phys. Rev. A **37**, 4380.
17. Seaton, M. J.: 1988, *Atomic data for opacity calculations VIII. Line - profile parameters for 42 transitions in Li - like and Be - like ions*, J. Phys. B **21**, 3033.
18. Bakshi V., Kearney R. J. : 1989, *Measurement of Stark width of some Ar I transitions in a D. C. argon plasma jet at atmospheric pressure*, JQSRT **42**, 405.
19. Griem, H. R.: 1989, *Stark broadening in multielectron atoms and ions*, in Spectral Line Shapes **V**. ed. J. Szudy, Ossolineum, Wroclaw, 17
20. Hey, J. D., Breger, P.: 1989, *The classical Kramers - Gaunt factor in Stark broadening calculations*, J. Phys. B **22**, L79.
21. Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, *Stark broadening of Ar IV lines in a dense plasma*, J. Phys. B **22**, 241
22. Konjević, N: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
23. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
24. Konjević, N., Uzelac, N. I.: 1990, *A review of the Stark widths and shifts of spectral lines from non - hydrogenic atoms and ions in weakly - coupled plasmas and experimental results for Xe I and Xe II lines*, JQSRT **44**, 61.
25. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms (A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.
26. Purić, J., Čuk, M., Djeniže, S., Lesage, A.: 1990, *Stark parameter regularities along the periodic table*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 609.
27. Seaton, M. J.: 1990, *Mass production of accurate atomic data*, in Atomic Spectra and Oscillator Strengths for Astrophysics and Fusion Research, ed. J. E. Hansen, North Holland, Amsterdam, Oxford, New York, Tokyo, 120.

28. Wiese, W. L., Konjević, N.: 1990, *A new critical review of experimental Stark widths and shifts*, in *Spectral Line Shapes* **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 48.
29. Djeniže, S., Srećković, A., Labat, J.: 1991, *Stark broadening regularities along a homologous sequence of the second group in the periodic system*, *JQSRT* **46**, 433.
30. Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1991, *Stark broadening and shift of O II spectral lines in higher multiplets*, *Z. Phys. D* **21**, 295.
31. Kilian, J., Montenbruck, O., Nissen, P. E.: 1991, *Chemical abundance in early B - type stars II. Line identification and atomic data for high resolution spectra*, *Astron. Astrophys. Suppl. Series* **88**, 101.
32. Poueyo, A., Sabatier, L., Deshors, G., Fabbro, R., De Frutos, A. M., Bermejo, D., Orza, J. M.: 1991, *Experimental study of the laser induced plasma in welding conditions with continuous high power CO<sub>2</sub> lasers*, *Journal de Physique IV* **1**, C-7, 183.
33. Purić, J., Djeniže, S., Labat, J., Srećković, A., Platiša, M.: 1991, *Stark broadening regularities within successive ionization stages in krypton and xenon*, *Contrib. Plasma Phys.* **31**, 63.
34. Thorne, A. P.: 1991, *Spectrophysics*, (second edition), Chapman and Hall, London
35. Wiese, W. L.: 1991, *Spectroscopic diagnostics of low temperature plasmas: techniques and required data*, *Spectrochimica Acta* **46B**, 831.
36. Djeniže, S., Labat, J., Konjević, R.: 1992, *On the Stark broadening regularities along a homologous sequence of the IV subgroup in the periodic system*, *Contrib. Plasma Phys.* **32**, 69.
37. Djeniže, S., Srećković, A., Labat, J.: 1992, *Stark shifts of singly - ionized nitrogen spectral lines*, *Astron. Astrophys.* **253**, 632.
38. Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen and Oxygen abundances in early B - type stars*, *Astrophys. J.* **387**, 673.
39. Glenzer, S., Uzelac, N., Kunze, H.-J.: 1992, *Stark - broadening of spectral - lines along the isoelectronic sequence of Li*, *Phys. Rev. A* **45**, 8795.
40. Griem, H.: 1992, *Plasma spectroscopy in inertial confinement fusion and soft - X - ray laser research*, *Physics of Fluids B* **4**, 2346.
41. Kuraica, M., Konjević, N., Platiša, M., Pantelić, D.: 1992, *Plasma diagnostics of the Grimm - type glow discharge*, *Spectrochimica Acta* **47B**, 1173.
42. Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in *Atomic and Molecular Data for Space Astronomy: Needs, Analysis and Availability*, eds. P. L. Smith, W. L. Wiese, *Lecture Notes in Physics* **407**, 121.
43. Wiese, W. L., Konjević, N.: 1992, *Regularities in experimental Stark shifts*, *JQSRT* **47**, 185.
44. De Izarra, C., Chapelle, J., Czernichowski, A., Vallee, O.: 1993, *Anomalous Ar I 430.01nm line profile distortion in an arc plasma*, *JQSRT* **49**, 433.

45. Djeniže, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993, *Stark parameters of several B II, C II and N III spectral lines*, Contrib. Plasma Phys. **33**, 193.
46. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
47. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825
48. Scheeline, A., Farnsworth, P. B.: 1993, *News on fundamental reference data*, Spectrochimica Acta B **48**,99.
49. Fishman, I. S., Sarandaev, E. V., Salakhov, M. Kh.: 1994, *Experimental determination of the Stark parameters of Pb I, Pb II and Cu II spectral lines in a plasma of the pulse capillary discharge*, JQSRT **52**, 887.
50. Szymanski, Z., Kurzyna, J.: 1994, *Spectroscopic measurements of laser - induced plasma during welding with CO<sub>2</sub> laser*, J. Appl. Phys. **76**, 7750.
51. Djeniže, S., Skuljan, Lj., Konjević, R.: 1995, *Experimental Stark shifts of several He I and Ar I spectral lines*, JQSRT **54**, 581.
52. Lesage, A.: 1995, *Why Stark broadening parameters are important for stellar atmosphere opacity calculations*, in Astrophysical Applications of Powerful Databases, eds. S. J. Adelman, W. L. Wiese, ASP Conf. Series **78**, 161.
53. Seaton, M. J.: 1995, *Atomic data for opacity calculations V. Electron impact broadening of some C III lines*, in The Opacity Project Vol. 1. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 147.
54. Seaton, M. J.: 1995, *Atomic data for opacity calculations VIII. Line profile parameters for 42 transitions in Li-like and Be-like ions*, In The Opacity Project Vol. 1. Compiled by the Opacity Project Team, Institute of Physics Publishing, Bristol and Philadelphia, 193.
55. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, Zh. Prikl. Spektrosk. **63**, 816.
56. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, J. Appl. Spectrosc. **63**, 690.
57. Sarandaev, E. V., Salakhov, M. Kh.: 1996, *Regularities in the Stark widths and shifts of spectral lines of singly - ionized aluminium*, JQSRT **56**, 399.
58. Sarandaev, E. V., Salakhov, M. K.: 1996, *Regularities for Stark Widths of Spectral-Lines of Singly Ionized Aluminum*, Optika i Spektroskopiya **81**, 33.
59. Sigut, T. A. A.: 1996, *Non-LTE Calculations for the C-II Doublet System*, Astrophys. J. **473**, 452.
60. Sigut, T. A. A., Lester, J. B.: 1996, *Infrared Rydberg Emission-Lines in Early-Type Stars. I. Mg-II*, Astrophys. J. **461**, 972.
61. Vogt, H. H. editor: 1996, *Stellar atmospheres: Atomic and molecular data*, Astronomy and Astrophysics Extension and Supplement to Vol. 2, Sub-

- volume B, Stars and Star Clusters, Landolt-Boernstein, Group VI: Astron. Astrophys. Volume 3, Springer, 57.
62. Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1997, *Stark width and shift temperature dependence of the Ar I 425.9nm line*, JQSRT **57**, 695.
  63. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
  64. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
  65. Mauas, P. J. D., Falchi, A., Pasquini, L., Pallavicini, R.: 1997, *Chromospheric Models of Dwarf M-Star*, Astron. Astrophys. **326**, 249.
  66. Pellerin, S., Musiol, K., Chapelle, J.: 1997, *Measurement of Atomic Parameters of Singly Ionized Argon Lines. 3. Stark-Broadening Parameters*, JQSRT **57**, 377.
  67. Falchi, A., Mauas, P. J. D.: 1998, *Building Reliable Models of M-Dwarf Chromospheres - The Impact of the Usual Assumptions*, Astronomy and Astrophysics **336**, 281.
  68. Milosavljević, V., Djenize, S.: 1998, *Measured Stark widths and shifts of N II, N III and N IV spectral lines*, Astron. Astrophys. Suppl. Series **128**, 197.
  69. Siano, S., Pacini, G., Pini, R., Salimbeni, R.: 1998, *Reliability of Refractive Fringe Diagnostics to Control Plasma-Mediated Laser-Ablation*, Optics Communications **154**, 319.
  70. Griem, H. R.: 1999, *Review of Plasma Broadening of Spectral Lines from Multiply Ionized Non-Hydrogenic Atoms*, in Spectral Line Shapes **10**, 14th ICSSL, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 3.
  71. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  72. Rojas, J. A. M., Ortiz, M., Campos, J.: 1999, *Experimental transition probabilities for lines arising from  $3s^2 3p^2 4P$  configuration of singly ionized sulfur*, J. Quant. Spectrosc. Radiative Transfer **62**, 433.
  73. Djenize, S.: 2000, *Measured, calculated and predicted Stark widths of the singly ionized C, N, O, F, Ne, Si, P, S, Cl, and Ar Spectral lines*, Serb. Astron. J. **161**, 89.
  74. Griem, H. R., Ralchenko, Yu. V.: 2000, *Electron collisional broadening of isolated lines from multiply ionized atoms*, J. Quant. Spectrosc. Radiat. Transfer **65**, 287.
  75. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2000, *A New Critical Review of Experimental Stark Widths and Shifts*, 15th Int. Conference on Spectral Line Shapes, Berlin, 10-14 July 2000, Physikalisch-Technische Bundesanstalt, Braunschweig und Berlin, 29.

76. Mar, S., Aparicio, J. A., de la Rosa, M. I., del Val, J. A., Gigosos, M. A., Gonzales, V. R., Perez, C.: 2000, *Measurement of Stark broadening and shift of visible N II lines*, J. Phys. B **33**, 1169.
77. Riley, D., Weaver, I., Morrow, T., Lamb, M. J., Martin, G. W., Doyle, L. A., Al-Khateeb, A., Lewis, C. L. S.: 2000, *Spectral simulation of laser ablated magnesium plasmas*, Plasma Sources Science and Technology **9**, 270.
78. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
79. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
80. Konjević, N., Fuhr, J. R., Wiese, W. L.: 2001, *Plasma Broadening and Shift of Non-Hydrogenic Spectral Lines: An Overview of Recent Results*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 117.
81. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2001, *A New Critical Review of Experimental Stark Widths and Shifts*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 126.
82. Bikmaev, I. F., Ryabchikova, T. A., Bruntt, H., Musaev, F. A., Mashonkina, L. I., Belyakova, E. V., Shimansky, V. V., Barklem, P. S., Galazutdinov, G.: 2002, *Abundance analysis of two late A-type stars HD 32115 and HD 37594*, Astron. Astrophys. **389**, 537.
83. Karl, S., Fletcher, D., Degrez, G., Magin, T., Playez, M.: 2002, *Assessment of Radiative Transport in an Argon Plasma Flow*, Proc. 4th European Symp. Aerothermodynamics for Space Applications, 15-18 Oct. 2001, Capua, Italy, ESA SP-487, 505.
84. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 35. N. Konjević, M. S. Dimitrijević, W. L. Wiese: 1984, J. Phys. Chem. Ref. Data 13, 619 [B 2].**
1. Konjević, N.: 1982, *Stark broadening of nonhydrogenic atom and ion lines in plasmas (an overview of experimental data)*, in Phys. Ioniz. Gases, ed. G. Pichler, 417.
  2. Konjević, N.: 1985, *Stark broadening of potassium lines*, Phys. Rev. A **32**, 673.
  3. Konjević, R., Platiša, M. Konjević, N.: 1985, *Stark broadening of Br I lines*, in Spectral Line Shapes, **III**, ed. F. Rostas, W. de Gruyter, 57.
  4. Kelliher, P. N., Boyko, W. J., Clifford, R. H., Snyder, J. L., Zhu, S. F.: 1986, *Emission spectrometry*, Analyt. Chem. **58**, 335R.
  5. Konjević, R., Konjević, N.: 1986, *Stark broadening and shift of neutral copper spectral lines*, Fizika **18**, 327.

6. Marasinghe, P. A. B., Lovett, R. J.: 1986, *An evaluation of methods for estimating electron Stark width of atomic spectral lines*, Spectrochimica Acta **41B**, 349.
7. Jones, D. W., Pichler, G., Wiese, W. L.: 1987, *Asymmetries in spectral lines due to plasma - ion broadening: Some unusual cases and a possible test for plasma homogeneity*, Phys. Rev. A **35**, 2585.
8. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Stark broadening and regularities of prominent multiply ionized nitrogen spectral lines*, Phys. Rev. A **36**, 3957.
9. Vittel, Y., Skowronek, M.: 1987, *Noble gas line profiles in dense plasmas: II. Krypton and xenon*, J. Phys. B **20**, 6493.
10. Wiese, W. L., Jones, D. W.: 1987, *Ion broadening of heavy element lines in plasmas*, in Spectral Line Shapes **IV**, ed. R. J. Exton, A. Deepak, Hampton, Virginia, 35.
11. Djurović, S., Konjević, N.: 1988, *Stark shift and broadening of F I and C II lines*, Z. Phys. D **10**, 425.
12. Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *Stark broadening and shift of neutral bromine lines*, J. Phys. B **21**, 739.
13. Griem, H. R.: 1988, *Spectral Line Shapes*, in Astrophysical and laboratory spectroscopy, eds. R. Brown, J. Lang, Scottish Universities Summer School in Physics, 105.
14. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
15. Nadeau, D.: 1988, *A determination of the shifts induced in the visible and infrared lines of iron by the convective motions in the solar photosphere*, Astrophys. J. **325**, 480.
16. Griem, H. R.: 1989, *Stark broadening in multielectron atoms and ions*, in Spectral Line Shapes **V**, ed. J. Szudy, Ossolineum, Wrocław, 17.
17. Kobilarov, R., Konjević, N., Popović, M. V.: 1989, *Influence of ion dynamics on the width and shift of isolated He I lines in plasmas*, Phys. Rev. A **40**, 3871.
18. Konjević, N.: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
19. Mauas, P. J., Avrett, B. H., Loeser, R.: 1989, *Computed profiles of the solar C I multiplets at 1561 and 1657 Å*, Astrophys. J. **345**, 1104.
20. Seaton, M. J.: 1989, *Atomic data for opacity calculations: XII. Line - profile parameters for neutral atoms of He, C, N and O*, J. Phys. B **22**, 3603.
21. Uzelac, N. I., Kobilarov, R., Konjević, N.: 1989, *Broadening and shift of neutral helium lines in pulsed arc plasma*, XIX ICPIG, Beograd, 346.
22. Vujičić, B. T., Djurović, S., Halenka, J.: 1989, *The Stark broadening of the He I 667.8 nm line*, Zeitschrift fuer Physik D **11**, 119.

23. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
24. Konjević, N.: 1990, *Ion - dynamic effects in non - hydrogenic spectra*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 19.
25. Konjević, N., Uzelac, N. I.: 1990, *A review of the Stark widths and shifts of spectral lines from non - hydrogenic atoms and ions in weakly - coupled plasmas and experimental results for Xe I and Xe II lines*, JQSRT **44**, 61.
26. Konjević, N., Wiese, W. L.: 1990, *Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms ( A critical review of selected data for the period 1983 through 1988)*, J. Phys. Chem. Ref. Data **19**, 1307.
27. Wiese, W. L., Konjević, N.: 1990, *A new critical review of experimental Stark widths and shifts*, in Spectral Line Shapes **6**, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 48.
28. Konjević, N.: 1991, *On the importance of ion - dynamics for the Stark broadening electron density diagnostics of helium plasma*, XX ICPIG, Pisa, 1435.
29. Konjević, N.: 1991, *Influence of ion - dynamics on the width and shift of non - hydrogenic spectral lines in plasmas*, in Elementary processes in clusters, lasers and plasmans, eds. T. D. Mark, R. W. Schrittwieser, Studia, Innsbruck, 344.
30. Poueyo, A., Sabatier, L., Deshors, G., Fabbro, R., Defrutos, A. M., Bermejo, D., Orza, J. M.: 1991, *Experimental study of the laser induced plasma in welding conditions with continuous high power CO<sub>2</sub> lasers*, J. De Physique IV **1**, C7-183.
31. Thorne A. P.: 1991, *Spectrophysics* (second edition), Chapman and Hall, London.
32. Wiese, W. L.: 1991, *Spectroscopic diagnostics of low temperature plasmas: techniques and required data*, Spectrochimica Acta **46B**, 831.
33. Wiese, W. L., Konjević, N.: 1992, *Regularities in experimental Stark shifts*, JQSRT **47**, 185.
34. Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen and Oxygen abundances in early B - type stars*, Astrophys. J. **387**, 673.
35. Heading, D. J., Marangos, J. P., Burges, D. D.: 1992, *Helium spectral line-shapes in a dense, cool, Z - pinch plasma*, J. Phys. B **25**, 4745.
36. Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in Atomic and Molecular Data for Space Astronomy: Needs, Analysis and Availability, eds. P. L. Smith, W. L. Wiese, Lecture Notes in Physics **407**, 121.
37. Karl, S., Fletcher, D., Degrez, G., Magin, T., Playez, M.: 2002, *Assessment of Radiative Transport in an Argon Plasma Flow*, Proc. 4th European Symp. Aerothermodynamics for Space Applications, 15-18 Oct. 2001, Capua, Italy, ESA SP-**487**, 505.



38. Kuraica, M., Konjević, N., Platiša, M., Pantelić, D.: 1992, *Plasma diagnostics of the Grimm - type glow discharge*, Spectrochimica Acta **47B**, 1173.
39. de Frutos, A. M., Poueyo, A., Sabatier, L., Fabbro, R., Orza, J. M.: 1993, *Spectroscopic parameters of some iron lines obtained from a plasma produced by a high power CO<sub>2</sub> laser*, in Spectral Line Shapes **7**, eds. R. Stamm, B. Talin, Nova, 143.
40. Poueyo-Verwaerde, A., Fabbro, R., Deshors, G., De Frutos, A. M., Orza, J. M.: 1993, *Experimental Study of Laser Induced Plasma in Welding Conditions with Continuous CO<sub>2</sub> Laser*, J. Appl. Phys. **74**, 5773.
41. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
42. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825.
43. Scheeline, A.: 1993, *Fundamental reference data: where have we come in five years*, Spectrochimica Acta B **48**, 1297.
44. Scheeline, A., Farnsworth, P. B.: 1993, *News on fundamental reference data*, Spectrochimica Acta B **48**, 99.
45. Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. J.: 1993, *Plasma broadening of Ne II - Ne VI and F IV - F V spectral lines*, Phys. Rev. E **47**, 3623.
46. Fishman, I. S., Sarandaev, E. V., Salakhov, M. Kh.: 1994, *Experimental determination of the Stark parameters of Pb I, Pb II and Cu II spectral lines in a plasma of the pulse capillary discharge*, JQSRT **52**, 887.
47. Mijatović, Z., Konjević, N., Ivković, M., Kobilarov, R.: 1994, *Influence of ion dynamics on the width and shift of isolated He I lines in plasmas. II*, Phys. Rev. E **51**, 4891.
48. Djurović, S.: 1995, *Plasma broadening of neutral halogen lines*, Physics of Ionized Gases, ed. D. Veža, Nova Science Publishers Inc., 429.
49. Lesage, A.: 1995, *Why Stark broadening parameters are important for stellar atmosphere opacity calculations*, in Astrophysical Applications of Powerful Databases, eds. S. J. Adelman, W. L. Wiese, ASP Conf. Series **78**, 161.
50. Mijatović, Z., Konjević, N., Kobilarov, R., Djurović, S.: 1995, *Search for ion dynamics effects on the shift and width of plasma - broadened C I and O I spectral lines*, Phys. Rev. E **51**, 613.
51. Beverini, N., Delgobbo, G., Genovesi, G. L., Maccarrone, F., Strumia, F., Paganucci, F., Turco, A., Andrenucci, M.: 1996, *Time-Resolved Plasma Diagnostic by Laser-Diode Spectroscopy*, IEEE Journal of Quantum Electronics **32**, 1874.
52. Glenzer, S., Kunze, H. J.: 1996, *Stark-Broadening of Resonance Transitions in B-III*, Phys. Rev. A **53**, 2225.

53. Menart, J., Heberlein, J., Pfender, E.: 1996, *Line-by-Line Method of Calculating Emission Coefficients for Thermal Plasmas Consisting of Monoatomic Species*, JQSRT **56**, 377.
54. Mijatović, Z.: 1996, *Influence of ion - dynamics effect on the shape of neutral atoms spectral lines*, J. Appl. Spectrosc. **63**, 709.
55. Mijatović, Z.: 1996, *Influence of ion - dynamics effect on the shape of neutral atoms spectral lines*, Zh. Prikl. Spektrosk. **63**, 836.
56. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, Zh. Prikl. Spektrosk. **63**, 816.
57. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, J. Appl. Spectrosc. **63**, 690.
58. Vogt, H. H. editor: 1996, *Stellar atmospheres: Atomic and molecular data*, Astronomy and Astrophysics Extension and Supplement to Vol. 2, Sub-volume B, Stars and Star Clusters, Landolt-Boernstein, Group VI: Astron. Astrophys. Volume 3, Springer, 57.
59. Vučelić, M., Mijović, S.: 1996, *Regularization Method and Applications in Spectroscopy*, JQSRT **56**, 617.
60. Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1997, *Stark width and shift temperature dependence of the Ar I 425.9nm line*, JQSRT **57**, 695.
61. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
62. Gonzalez, A. M., Ortiz, M., Campos, J.: 1997, *Experimental Transition-Probabilities for Lines Arising from 5P(2)6S Configuration of Neutral Sb*, JQSRT **57**, 825.
63. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
64. Konjević, R., Konjević, N.: 1997, *On the Use of Nonhydrogenic Spectral-Line Profiles for Electron-Density Diagnostics of Inductively-Coupled Plasmas*, Spectrochimica Acta B **52**, 2077.
65. Mijatović, Z.: 1997, *Influence of ion-dynamics on the shape of neutral helium and carbon lines*, in The Physics of ionized gases (18th SPIG) eds. B. Vujičić, S. Djurović, J. Purić, Institute of Physics, Faculty of Sciences, University of Novi Sad, Novi Sad, 351.
66. Sarandaev, E. V., Salakhov, M. Kh.: 1997, *Regularities in the Behaviour of Stark Widths of Argon Spectral Lines*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 327.
67. Sobel'man, I. I., Vainshtein, L. A., Yukov, E. A.: 1997, *Excitation of Atoms and Broadening of Spectral Lines*, Springer.
68. Szymanski, Z., Kurzyna, J., Kalita, W.: 1997, *The Spectroscopy of the Plasma Plume Induced During Laser-Welding of Stainless- Steel and Titanium*, J. Phys. D **30**, 3153.

69. Szymanski, Z., Peradzynski, Z., Kurzyna, J., Hoffman, J., Dudeck-M De-graaf, M., Lago, V.: 1997, *Spectroscopic Study of a Supersonic Jet of Laser-Heated Argon Plasma*, J. Phys. D **30**, 998.
70. Aparicio, J. A., Perez, C., Del Val, J. A., Gigosos, M. A., De la Rosa, M. I., Mar, S.: 1998, *Measurement of Stark-Broadening and Shift Parameters of Several Ar-I Lines*, Journal of Physics B **31**, 4909.
71. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1998, *Plasma Broadened 419.07 nm and 419.10 nm Neutral Argon Lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 131.
72. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1998, *Plasma broadening of two close neutral argon lines 419.07 nm and 419.10 nm*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Čuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 381.
73. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1998, *Determination of the Ion-Broadening Parameter for Ar I 425.9 nm Spectral Line*, J. Res. Physics **27**, 133.
74. Aguilera, J. A., Aragon, C.: 1999, *A comparison of the temperatures and electron densities of laser - produced plasmas obtained in air, argon, and helium at atmospheric pressure*, Applied Physics A **69** [Supplement], S475.
75. Griem, H. R.: 1999, *Review of Plasma Broadening of Spectral Lines from Multiply Ionized Non-Hydrogenic Atoms*, in Spectral Line Shapes **10**, 14th ICSLS, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 3.
76. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
77. Monge, M., Aguilera, J. A., Aragon, C.: 1999, *Space- and time-resolved measurements of temperatures and electron densities of plasmas formed during laser ablation of metallic samples*, Applied Physics A **69** [Supplement], S691.
78. Mijatović, Z., Nikolić, D., Djurović, S., Kobilarov, R., Konjević, N.: 1999, *Stark broadening of neutral argon lines by plasmas*, in Invited Lectures of the 2nd Yugoslav-Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, September 5-6, 1998, Zlatibor, Yugoslavia, eds. M. S. Dimitrijević, J. Purić, V. S. Burakov, Publ. Astron. Obs. Belgrade **66**, 47.
79. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1999, *Plasma Broadened 419.07 nm and 419.10 nm Neutral Argon Lines*, in Spectral Line Shapes **10**, 14th ICSLS, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American In-

- stitute of Physics, Woodbury, New York, 191.
80. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1999, *Quasi - static Stark profile as a model of the spectral line shape of heavy neutral non - hydrogen emitters*, J. Res. Phys. **28**, 185.
  81. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 1999, *On the Stark broadening of some Ar I spectral lines*, J. Res. Phys. **28**, 251.
  82. Roby, S. W., Leckrone, D. S., Adelman, S. J.: 1999, *Abundances of the elements in sharp-lined early-type stars from IUE high-dispersion spectrograms. II. The nitrogen deficiency in mercury-manganese stars*, Astrophysical Journal **524**, 974.
  83. Wujec, T., Musielok, J.: 1999, *Diagnostics of Helium-Argon Arc Discharge Plasma based on Spectral Line Shape Measurements*, Acta Physica Polonica A **95**, 221.
  84. Zhao Zeng-xiu, Yuan Jian-min, Sun Yong-sheng: 1999, *Electron Interaction with Lithium Atoms and Electron Impact Broadening of the Lithium Resonance Line*, Chin. Phys. Lett. **16**, 885.
  85. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2000, *A New Critical Review of Experimental Stark Widths and Shifts*, 15th Int. Conference on Spectral Line Shapes, Berlin, 10-14 July 2000, Physikalische-Technische Bundesanstalt, Braunschweig und Berlin, 29.
  86. Riley, D., Weaver, I., Morrow, T., Lamb, M. J., Martin, G. W., Doyle, L. A., Al-Khateeb, A., Lewis, C. L. S.: 2000, *Spectral simulation of laser ablated magnesium plasmas*, Plasma Sources Science and Technology **9**, 270.
  87. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
  88. de Castro, A., Aparicio, J. A., del Val, J. A., Gonzalez, V. R., Mar, S.: 2001, *Measurement of Stark broadening and shift constants of singly ionized krypton lines*, Journal of Physics B **34**, 3275.
  89. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
  90. Konjević, N., Fuhr, J. R., Wiese, W. L.: 2001, *Plasma Broadening and Shift of Non-Hydrogenic Spectral Lines: An Overview of Recent Results*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 117.
  91. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2001, *A New Critical Review of Experimental Stark Widths and Shifts*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 126.
  92. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 2001, *On modeling of the spectral line shape of heavy neutral nonhydrogen-like emitters*, J. Appl. Spectrosc. **68**, 902.

93. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R., Konjević, N.: 2001, *Моделирование профиля спектральных линий тяжелых неводородоподобных излучателей*, Ж. Прикл. Спектроск. **68**, 691.
94. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
95. Nikolić, D., Djurović, S., Mijatović, Z., Kobilarov, R.: 2002, *Ion broadening parameters of two close Ar I spectral lines*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 314.
96. Wiese, W. L., Fuhr, J. R., Lesage, A., Konjević, N.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, Spectral Line Shapes **12**, 16th International Conference of Spectral Line Shapes, Berkley, California, ed. C. A. Back, AIP Conference proceedings **645**, 106.
- 36. M. S. Dimitrijević, N. Konjević: 1984, Z. Naturforsch. 39a, 553 [A 27].**
1. Miller, M. H., Abadie, D., Lesage, A.: 1984, *Experimental phosphorus and sulfur Stark widths and systematic broadening trends for third row ions*, Astrophys. J. **291**, 219.
  2. Salakhov, M. Kh., Sarandaev, E. V., Fishman, I. S.: 1991, *New approach to the search for relationships between the Stark parameters of broadening and shift of atomic and ionic spectral lines*, Opt. Spectrosc. (USSR) **71**, 509.
  3. Sarandayev, E. V., Fishman, I. S., Salakhov, M. Kh.: 1991, *A search for regularities in the behaviour of the Stark parameters of atomic and ionic spectral lines*, XX ICPIG, Pisa, 837.
  4. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  5. Fishman, I. S., Sarandaev, E. V., Salakhov, M. Kh.: 1994, *Experimental determination of the Stark parameters of Pb I, Pb II and Cu II spectral lines in a plasma of the pulse capillary discharge*, JQSRT **52**, 887.
- 37. M. S. Dimitrijević, P. V. Grujić: 1984, Z. Naturforsch. 39a, 930 [A 28].**
1. Harcourt, R. D.: 1987, *Bohr orbit theory revisited. II. Energies for 1s 2p, 3d, and 4f states in helium*, Int. J. Quantum Chemistry **31**, 445.
  2. Grujić, P.: 1988, *Small-Energy 3-Body Systems. 2. Rovibronic Spectra for the Coulombic Interaction*, Journal of Physics B **21**, 63-79.
  3. Mahecha J. G.: 1989, *The rotating two - electron atom in an external electric field*, Few Body Systems **6**, 183.

4. Grujić, P. V.: 1993, *Newtonian and Coulombic systems*, Bull. Astron. Belgrade **147**, 15.
  5. Richter, K., Tanner, G., Wintgen, D.: 1993, *Classical mechanics of two-electron atoms*, Phys. Rev. A **48**, 4182.
  6. Grujić, P. V., Simonović, N. S.: 1994, *Asymmetrical configurations in Coulombic rigid rotators*, Phys. Rev. A **50**, 4386.
  7. Perez, F., Mahecha, J.: 1996, *Classical Trajectories in Coulomb 3 Body Systems*, Revista Mexicana de Fisica **42**, 1070.
  8. Santander, A., Mahecha, J., Perez, F.: 1997, *Rigid-Rotator and Fixed-Shape Solutions to the Coulomb Three-Body Problem*, Few Body Systems **22**, 37.
  9. Tanner, G., Richter, K., Rost, J. M.: 2000, *The theory of two-electron atoms: between ground state and complete fragmentation*, Rev. Modern Physics **72**, 497.
- 38. M. S. Dimitrijević: 1985, Astron. Astrophys. 145, 439 [A 29].**
1. Artru, M. C., Freire Ferrero, R.: 1986, *Galium overabundance in the Ap - Si star HD 25823*, in Uper Main Sequence Stars with Anomalous Abundances, eds. C. R. Cowley et al., D. Reidel, 421.
  2. Hey, J. D.: 1987, *Multiplet oscillator strengths and transition probabilities for neutral oxygen*, South. Afr. Tydskr. Fys. **10**, 118.
  3. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
  4. Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika **20**, 485.
  5. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Stark - broadening regularities of prominent multiply - ionized - oxygen spectral lines in plasma*, Phys. Rev. A **37**, 498.
  6. Labat, O., Djeniže, S., Labat, J., Purić, J., Srećković, A.: 1990, *Stark broadening of singly and doubly ionized iodine spectral lines*, Phys. Lett. A **143**, 455.
  7. Bassalo, J. M., Cattani, M.: 1993, *Quantum - mechanical formulas for the electron - impact widths and shifts of isolated lines of neutral atoms and ions in plasmas*, JQSRT **50**, 359.
  8. Sarandaev, E. V., Salakhov, M. Kh.: 1996, *Regularities in the Stark widths and shifts of spectral lines of singly - ionized aluminium*, JQSRT **56**, 399.
- 39. I. Vince, M. S. Dimitrijević: 1985, Publ. Astron. Obs. Belgrade 33, 15 [II 17].**
1. Vince, I.: 2002, *Solar Physics during the last three decades at the Astronomical Observatory in Belgrade*, in Observations Solaires, Regional Meeting on Solar Physics: Solar Researches in the South-Eastern European Countries: Present and Perspectives, 24-28 April 2001, Bucharest, Romania, eds. G. Maris, M. Messerotti, Institut Astronomique de l' Academie Roumaine, Edition de l' Academie Roumaine, 123.

40. **I. Vince, M. S. Dimitrijević, V. Kršljanin: 1985, in Spectral Line Shapes III, W. de Gruyter, Berlin, New York, 649 [D 7].**
1. Kršljanin, V., Vince, I., Erkapić, S.: 1991, *Fe I lines assymetries and shifts caused by pressure broadening*, in The Sun and Cool Stars: activity, magnetism, dynamos, Lecture Notes in Physics **380**, 277.
  2. Gonzalez, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2000, *Stark width and shift measurements of visible Si III lines*, Astron. Astrophys. **363**, 1177.
  3. Vince, I.: 2002, *Solar Physics during the last three decades at the Astronomical Observatory in Belgrade*, in Observations Solaires, Regional Meeting on Solar Physics: Solar Researches in the South-Eastern European Countries: Present and Perspectives, 24-28 April 2001, Bucharest, Romania, eds. G. Maris, M. Messerotti, Institut Astronomique de l' Academie Roumaine, Edition de l' Academie Roumaine, 123.
41. **I. Vince, M. S. Dimitrijević, V. Kršljanin: 1985, in Progress in Stellar Spectral Line Formation Theory, D. Reidel P. C., Dordrecht, Boston, Lancaster, 373 [D 8].**
1. Kršljanin, V.: 1989, *On pressure shifts of Fe I lines in stellar atmospheres*, in Solar and Stellar Granulation, eds. R. J. Rutten, G. Severino, Kluwer, Dordrecht, Boston, London, 91.
  2. Kršljanin, V., Vince, I., Erkapić, S.: 1991, *Fe I lines assymetries and shifts caused by pressure broadening*, in The Sun and Cool Stars: activity, magnetism, dynamos, Lecture Notes in Physics **380**, 277.
42. **M. S. Dimitrijević, S. Sahal-Bréchet: 1985, Phys. Rev. A 31, 316 [A 30].**
1. Konjević, R., Konjević, N.: 1986, *Stark broadening and shift of neutral copper spectral lines*, Fizika **18**, 327.
  2. Schoning, T.: 1994, *Stark broadening of He I lines*, J. Phys. B **27**, 4501.
  3. Leushin, V. V., Glagolevskij, Yu. V., North, P.: 2000, *Helium abundance in atmospheres of He-rich stars*, in Magnetic Fields of Chemically Peculiar and Related Stars, eds. Yu. V. Glagolevskij, I. I. Romanyuk, Russian Academy of Sciences, Special Astrophysical Observatory, Moscow, 173.
43. **M. S. Dimitrijević, S. Sahal-Bréchet: 1985, JQSRT 34, 149 [A 31].**
1. Keliher, P. N., Boyko, W.J., Clifford, R. H., Snyder, J. L., Zhy, S. F.: 1986, *Emission spectrometry*, Analyt. Chem. **58**, 335R.
  2. Cappelli, M. A., Measures, R. M.: 1987, *Electron density radial profiles derived from Stark broadening in a sodium plasma produced by laser resonance saturation*, Appl. Optics **26**, 1058.
  3. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
  4. Kršljanin, V.: 1991, *Hydrogen - impact broadening and solar abundance of sodium*, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, Université de Montreal, 31.
  5. Djenize, S., Srećković, A., Labat, J., Platiša, M.: 1992, *Measured Stark widths of B I, B II, B III and Na I spectral lines*, Physica Scripta **45**, 320.

6. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, *Astrophys. J.* **416**, 825
7. Srećković, A., Djeniže, S., Bukvić, S.: 1996, *On the Na I - D spectral lines Stark shifts*, *Physica Scripta* **53**, 54.
8. Leonov, A. G., Chekhov, D. I., Starostin, A. N.: 1997, *Mechanisms of Resonant Laser Ionization*, *J. Experimental and Theoretical Physics* **84**, 703.
9. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.
- 44. M. S. Dimitrijević, P. Grujić: 1985, Fizika 17, 1 [E 8].**
  1. Stephen Berry R.: 1989, *How good is Niels Bohr's atomic model*, *Contemporary Physics* **30**, 1.
  2. Simonović, N.: 1996, *Semiclassical theory of two-electron systems*, in *Atomic Collision Processes and Laser Beam Interactions with Solids*, eds. M. Milosavljević, Z. Petrović, Nova Science Publishers Inc., 83.
  3. Grujić, P. V.: 1999, *Triply excited three-electron systems-semiclassical model*, *European Phys. J. D* **6**, 441.
- 45. M. S. Dimitrijević, S. Sahal-Bréchet: 1985, XVII ICPIG, Budapest, 978 [3 41].**
  1. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34. .
- 46. A. A. Mihajlov, M. S. Dimitrijević: 1986, Astron. Astrophys. 155, 319 [A 32].**
  1. Stancil. P. C.: 1994, *Continuous absorption by He<sub>2</sub><sup>+</sup> and H<sub>2</sub><sup>+</sup> in cool white dwarfs*, *Astrophys. J.* **430**, 360.
- 47. M. S. Dimitrijević: 1986, Astron. Astrophys. Suppl. Series 64, 591 [A 33].**
  1. Djurović, S., Konjević, N.: 1988, *Stark shift and broadening of F I and C II lines*, *Z. Phys. D* **10**, 425.
  2. Hartinger, K. T., Pierre, L., Cahen, C.: 1998, *Combination of Emission-Spectroscopy and Fast Imagery to Characterize High-Voltage SF<sub>6</sub> Circuit-Breakers*, *Journal of Physics D* **31**, 2566.
- 48. M. S. Dimitrijević, N. Konjević, V. Kršljanin: 1986, VIII ICSLS, Williamsburg, A11 [3 47].**
  1. Konjević, N., Pittman, T. P.: 1986, *Stark broadening of spectral lines of homologous, doubly ionized inert gases*, *JQSRT* **35**, 473.
  2. Konjević, N., Pittman, T.: 1987, *Stark broadening of spectral lines of homologous, doubly - ionized inert gases*, *JQSRT* **37**, 311.
- 49. M. S. Dimitrijević, N. Konjević, V. Kršljanin: 1986, VIII ICSLS, Williamsburg, A12 [3 48].**
  1. Konjević, N., Pittman, T. P.: 1986, *Stark broadening of spectral lines of homologous, doubly ionized inert gases*, *JQSRT* **35**, 473.
  2. Konjević, N., Pittman, T.: 1987, *Stark broadening of spectral lines of homologous, doubly - ionized inert gases*, *JQSRT* **37**, 311.



- 50. M. S. Dimitrijević, M. C. Artru: 1986, Proc, XIII Symp. Phys. Ioniz. Gases, 317 [3 53].**
1. Рябчикова, Т. А., Смирнов, Ю. М.: 1994, *Силы осцилляторов линий Ga II в видимой области спектра и содержание галлия в атмосфере HgMn звезды Карра Сандри*, *Астрономический Журнал* **71**, 83.
  2. Smith, K. C.: 1995, *Anomalous gallium line profiles in HgMn stars: Possible evidence for chemically stratified atmospheres*, *Astron. Astrophys.* **297**, 237.
  3. Smith, K. C.: 1996, *Elemental abundances in normal late-B and HgMn stars from co-added IUE spectra IV. Gallium*, *Astron. Astrophys.* **305**, 902.
  4. Dworetzky, M. M., Jomaron, C. M., Smith, C. A.: 1998, *The Gallium Problem in HgMn Stars*, *Astronomy and Astrophysics* **333**, 665.
- 51. M. S. Dimitrijević, N. Konjević: 1986, Astron. Astrophys. 163, 297 [A 34].**
1. Konjević, R., Konjević, N.: 1986, *Stark broadening and shift of neutral copper spectral lines*, *Fizika* **18**, 327.
  2. Vittel, Y., Skowronek, M.: 1987, *Noble gas line profiles in dense plasmas: I. Argon*, *J. Phys. B* **20**, 6477.
  3. Djurović, S., Konjević, N.: 1988, *Stark broadening and shift of neutral iodine lines and regularities for analogous transitions of halogene atoms*, *Zeitschrift fuer Physik D* **11**, 113.
  4. Djurović, S., Konjević, R., Platiša, M., Konjević, N.: 1988, *Stark broadening and shift of neutral bromine lines*, *J. Phys. B* **21**, 739.
  5. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in *Elemental abundance analysis*, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
  6. Kršljanin, V.: 1989, *On pressure shifts of Fe I lines in stellar atmospheres*, in *Solar and Stellar Granulation*, eds. R. J. Rutten, G. Severino, Kluwer, Dordrecht, Boston, London, 91.
  7. Uzelac, N. I., Konjević, N.: 1989, *Stark broadening and shift of Kr I and Kr II lines in dense plasma*, *J. Phys. B* **22**, 2517.
  8. Djenize, S., Srećković, A., Platiša, M., Labat, J., Konjević, R., Purić, J.: 1990, *Stark broadening and shift of neutral and singly - ionized mercury lines*, *JQSRT* **44**, 405.
  9. Konjević, N., Uzelac, N. I.: 1990, *A review of the Stark widths and shifts of spectral lines from non - hydrogenic atoms and ions in weakly - coupled plasmas and experimental results for Xe I and Xe II lines*, *JQSRT* **44**, 61.
  10. Iglesias, C. A., Rogers, F. J., Wilson, B. G.: 1990, *Opacities for classical cepheid models*, *Astrophys. J.* **360**, 221.
  11. Rogers, F. J., Iglesias, C. A.: 1992, *Radiative atomic Rosseland mean opacity tables*, *Astrophys. J. Suppl. Series* **79**, 507.
  12. Carlsson, M., Rutten, R. J., Shchukina, N. G.: 1992, *The formation of the Mg I emission features near 12 micrometers*, *Astron. Astrophys.* **253**, 567.

13. Djenžić, S., Srećković, A., Labat, J., Konjević, R., Brnović, M.: 1992, *Stark widths and shifts of Sn I, Hg II, Hg III and Pb II spectral lines*, Z. Phys. D **24**, 1.
14. Iglesias, C. A., Rogers, F. J.: 1992, *Results obtained using the Opal code*, Revista Mexicana de Astronomia y Astrofisica **23**, 161
15. Rogers, F. J., Iglesias, C. A.: 1992, *Radiative atomic Rosseland mean opacity tables*, Astrophysical Journal Supplement Series **79**, 507.
16. Bertucelli, D., Di Rocco, H. O.: 1993, *Linewidths of singly charged, noble-gas ions from Born and Born - Robb approximations - Dependence with atomic parameters and electron - density*, Physica Scripta **47**, 747.
17. Chayer, P., Fontaine, G., Wesemael, F.: 1995, *Radiative levitation in hot white dwarfs: Equilibrium theory*, Astrophys. J. Suppl. Series **99**, 189.
18. Chayer, P., Vennes, S., Pradhan, A. K., Thejll, P., Beauchamp, A., Fontaine, G., Wesemael, F.: 1995, *Improved calculations of the equilibrium abundances of heavy elements supported by radiative levitation in the atmospheres of hot DA white dwarfs*, Astrophys. J. **454**, 429.
19. Djurović, S.: 1995, *Plasma broadening of neutral halogen lines*, Physics of Ionized Gases, ed. D. Veža, Nova Science Publishers Inc., 429.
20. Gonzales, J. F., Artru, M.-C., Michaud, G.: 1995, *Radiative accelerations on carbon, nitrogen and oxygen*, Astron. Astrophys. **302**, 788.
21. Gonzales, J. F., LeBlanc, F., Artru, M.-C., Michaud, G.: 1995, *Improvements on radiative acceleration calculations in stellar envelopes*, Astron. Astrophys. **297**, 223.
22. LeBlanc, F., Michaud, G.: 1995, *Radiative accelerations on iron*, Astron. Astrophys. **303**, 166.
23. Stehle, C.: 1995, *Line shapes in astrophysics*, in Spectral Line Shapes **8**, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 36.
24. Uzelac, N. I.: 1995, *Stark widths and shifts of spectral lines in weakly non-ideal plasmas*, Physics of Ionized Gases, ed. D. Veža, Nova Science Publishers Inc., 417.
25. Menart, J., Heberlein, J., Pfender, E.: 1996, *Line-by-Line Method of Calculating Emission Coefficients for Thermal Plasmas Consisting of Monoatomic Species*, JQSRT **56**, 377.
26. Menart, J., Heberlein, J., Pfender, E.: 1996, *Theoretical Radiative Emission Results for Argon/Copper Thermal Plasmas*, Plasma Chemistry and Plasma Processing **16**, S245.
27. Heading, D. J., Machacek, A., Whitford, L. C., Varney, A. J., Wark, J. S., Lee, R. W., Stamm, R., Talin, B.: 1997, *Rapid generation of approximate optical spectra of dense cool plasmas*, J. Quant. Spectrosc. Radiative Transfer **58**, 619.
28. Michaud, G., Richer, J.: 1997, *Line Profiles and Actor: Abundance Anomalies in Stars*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 397.

29. Seaton, M. J.,: 1997, *Radiative Accelerations in Stellar Envelopes*, MNRAS **289**, 700.
30. Grishina, N. A., Il'in, G. G., Salakhov, M. Kh., Sarandaev, E. V.: 1998, 19th SPIG Zlatibor 1998, *The estimation of Stark broadening parameters for the spectral lines of  $4s^2S-4p^2P^o$  and  $4s^2\ ^2D-4p^2P^o$  Multiplets of neutral copper atoms*, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Čuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 361.
31. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
32. Sigut, T. A. A.: 1999, *Non LTE equivalent widths for Ne I with error estimates*, Astrophys. J. **519**, 303.
33. Leushin, V. V., Glagolevskij, Yu. V., North, P.: 2000, *Helium abundance in atmospheres of He-rich stars*, in Magnetic Fields of Chemically Peculiar and Related Stars, eds. Yu. V. Glagolevskij, I. I. Romanyuk, Russian Academy of Sciences, Special Astrophysical Observatory, Moscow, 173.
34. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark parameters of spectral lines of neutral magnesium*, J. Quant. Spectrosc. Radiat. Transfer **64**, 41.
35. Chenais-Popovics, C., Fajardo, M., Gilleron, F., Teubner, U., Gauthier, J. C., Bauche-Arnoult, C., Bachelier, A., Bauche, J., Blenski, T., Thais, F., Perrot, F., Benuzzi, A., Turck-Chieze, S., Chieze, J. P., Dorchie, F., Andiel, U., Foelsner, W., Eidmann, K.: 2001, *L-band x-ray absorption of radiatively heated nickel*, Physical Review E **65**, 016413.
36. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
37. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
38. Menart, J., Malik, S.: 2002, *Net emission coefficients for argon-iron thermal plasmas*, J. Phys. D **35**, 867.
39. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysically important 447.15, 587.56 and 667.82 nm He spectral lines broadening*, Astron. Astrophys. **393**, 721.
40. Milosavljević, V., Djeniže, S.: 2002, *Ion characteristics to the 667.82 nm He I spectral line shapes*, Proc. 3rd Bulgarian-Serbian Astronomical Meeting, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Ivanov, M. S. Dimitrijević, P. Jovanović, Publ. Astron. Obs. Belgrade **73**, 167.
41. Babina, E. M., Il'in, G. G., Konovalova, O. A., Salakhov, M. Kh., Sarandaev, E. V.: 2003, *The Complete Calculation of Stark Broadening Parameters for the Neutral Copper Atoms Spectral Lines of  $4s^2S-4p^2P^o$  and  $4s^2\ ^2D-4p^2P^o$  Multiplets in the Dipole Approximation*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Bel-

- grade 76, 163.
42. Milosavljević, V.: 2003, *Electron and ion contributions to the Stark broadening in the He I spectrum*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade 47.
- 52. B. Grabowski, M. S. Dimitrijević: 1986, XIII SPIG, Šibenik, 299 [3 56].**
1. Grabowski, B.: 1987, *Debye shielding and trajectory effects in the phase shift calculations*, XVIII ICPIG, Swansea, 56.
  2. Grabowski B.: 1987, *Effects of Debye shielding in the electron broadening calculations*, Pramana-J. Phys. **29**, 455.
  3. Grabowski B., Czainski A.: 1990, *Influence of Debye shielding and back reaction on Stark broadening of atomic lines in the quasi - classical impact model*, in Spectral Line Shapes **6** (AIP Conf. Proc. **216**), eds. L. Fromhold, J. W. Keto, AIP, New York, 86.
- 53. M. S. Dimitrijević, V. Kršljanin: 1986, Astron. Astrophys. 165, 269 [A 35].**
1. Konjević, N.: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
  2. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
  3. Djenize, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993, *Stark parameters of several B II, C II and N III spectral lines*, Contrib. Plasma Phys. **33**, 193.
  4. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  5. Konjević, R., Konjević, N.: 2000, *On the Stark broadening of singly ionized tin lines*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 281.
  6. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
  7. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 54. M. S. Dimitrijević, Truong-Bach: 1986, Z. Naturforsch. 41a, 772 [A 36].**
1. Djenize, S., Malešević, M., Srećković, A., Milosavljević, M., Purić, J.: 1989, *Stark broadening and shift of singly - ionized argon spectral lines in higher multiplets*, JQSRT **42**, 429.

2. Pellerin, S., Musiol, K., Chapelle, J.: 1997, *Measurement of Atomic Parameters of Singly Ionized Argon Lines. 3. Stark-Broadening Parameters*, JQSRT **57**, 377.
55. **M. S. Dimitrijević, N. Konjević: 1987, Astron. Astrophys. 172, 345 [A 37].**
  1. Konjević, N., Pittman, T. P.: 1986, *Stark broadening of spectral lines of homologous, doubly ionized inert gases*, JQSRT **35**, 473.
  2. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1987, *Stark broadening and regularities of prominent multiply ionized nitrogen spectral lines*, Phys. Rev. A **36**, 3957.
  3. Griem, H. R.: 1988, *Plasma shifts of ion lines*, J. Phys. (Paris) Colloque C1, Suppl. au No 3, **49**, C1-293.
  4. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in Elemental abundance analysis, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
  5. Purić, J., Djeniže, S., Labat, J., Platiša, M., Srećković, A., Ćuk, M.: 1988, *Stark - broadening regularities of lithium - like and sodium - like isoelectronic sequences*, Z. Phys. D **10**, 431.
  6. Purić, J., Djeniže, S., Srećković, A., Ćuk, M.: 1988, *Regularities in neutral and ion line Stark broadening in plasma*, Fizika **20**, 485.
  7. Purić, J., Djeniže, S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, *Stark broadening and regularities of ionized neon and argon spectral lines*, Z. Phys. D **8**, 343,
  8. Purić, J., Djeniže, S., Srećković, A., Platiša, M., Labat, J.: 1988, *Stark - broadening regularities of prominent multiply - ionized - oxygen spectral lines in plasma*, Phys. Rev. A **37**, 498.
  9. Purić, J., Srećković, A., Djeniže, S., Platiša, M.: 1988, *Stark broadening and regularities of prominent spectral lines of multiply ionized chlorine and fluorine*, Phys. Rev. A **37**, 4380.
  10. Konjević, N: 1989, *Stark broadening of multielectron atom and ion lines: Present status and application*, XIX ICPIG Invited papers, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
  11. Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1990, *Stark-broadening regularities of np-nd transition arrays of nitrogen, oxygen, neon, and silicon ion spectral lines*, Astron. Astrophys. **227**, 291.
  12. Djeniže, S., Srećković, A., Platiša, M., Konjević, R., Labat, J., Purić, J.: 1990, *Stark broadening and shift of singly and doubly ionized sulfur spectral lines*, Phys. Rev. A **42**, 2379.
  13. Iglesias, C. A., Rogers, F. J., Wilson, B. G.: 1990, *Opacities for classical cepheid models*, Astrophys. J. **360**, 221.
  14. Kobilarov, R., Konjević, N.: 1990, *Plasma shift and broadening of analogous transitions of S II, Cl III, Ar IV, Cl II and Ar III*, Phys. Rev. A **41**, 6023.
  15. Labat, O., Djeniže, S., Labat, J., Purić, J., Srećković, A.: 1990, *Stark broadening of singly and doubly ionized iodine spectral lines*, Phys. Lett. A **143**, 455.

16. Djeniže, S., Srećković, A., Labat, J.: 1991, *Stark broadening regularities along a homologous sequence of the second group in the periodic system*, JQSRT **46**, 433.
17. Djeniže, S., Srećković, A., Labat, J., Konjević, R., Popović, L.: 1991, *Stark broadening and shift of singly ionized zinc and cadmium spectral lines*, Phys. Rev. A **44**, 410.
18. Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, *Stark broadening and regularities of ionized bromine spectral lines*, J. Phys. B **24**, 1251.
19. Bolcal, C., Kocer, D., Adelman, S. J.: 1992, *Elemental abundance analyses with DAO spectrograms. IX. The metallic - lined stars 15 - Vulpeculae and 32 - Aquarii*, Mon. Not. R. Astron. Soc. **258**, 270.
20. Djeniže, S., Labat, J., Konjević, R.: 1992, *On the Stark broadening regularities along a homologous sequence of the IV subgroup in the periodic system*, Contrib. Plasma Phys. **32**, 69.
21. Djeniže, S., Srećković, A., Labat, J., Konjević, R., Brnović, M.: 1992, *Stark widths and shifts of Sn I, Hg II, Hg III and Pb II spectral lines*, Z. Phys. D **24**, 1.
22. Iglesias, C. A., Rogers, F. J.: 1992, *Results obtained using the Opal code*, Revista Mexicana de Astronomia y Astrofisica **23**, 161.
23. Rogers, F. J., Iglesias, C. A.: 1992, *Radiative atomic Rosseland mean opacity tables*, Astrophys. J. Suppl. Series **79**, 507.
24. Alecian, G., Michaud, G., Tully, J.: 1993, *Radiative Accelerations on Iron Using Opacity Project Data*, Astrophys. J. **411**, 882.
25. Lanz, T., Artru, M. C., Didelon, P., Mathys, G.: 1993, *The Ga - II lines in the red spectrum of Ap stars*, Astron. Astrophys. **272**, 465.
26. Norreys, P. A., Zhang, J., Cairns, G., Djaoui, A., Dwivedi, L., Key, M. H., Kodama, R., Krishnan, J., Lewis, C. L. S., Neely, D., Neill, D.O., Pert, G.J., Ramsden, S. A., Rose, S. J., Tallents, G.J., Uthoibhi, J.: 1993, *Measurement of the photo-pump strength of the 3d-5f transitions in the automatically line matched Ni-like Sm photo-pumped X-ray laser*, J. Phys. B **26**, 3693.
27. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
28. Djeniže, S., Skuljan, Lj., Labat, J., Bukvić, S., Konjević, R.: 1994, *Measured Stark widths and shifts of several Ni I and Ni II spectral lines*, Astron. Astrophys. Suppl. Series **105**, 115.
29. Butler, K.: 1995, *Atmospheres and winds of hot stars: The impact of new opacity calculations and continuing needs*, in Astrophysical Applications of Powerful New Databases, eds. S. J. Adelman, W. L. Wiese, ASP Conf. Series **78**, 509.
30. Chayer, P., Fontaine, G., Wesemael, F.: 1995, *Radiative levitation in hot white dwarfs: Equilibrium theory*, Astrophys. J. Suppl. Series **99**, 189.

31. Chayer, P., Vennes, S., Pradhan, A. K., Thejll, P., Beauchamp, A., Fontaine, G., Wesemael, F.: 1995, *Improved calculations of the equilibrium abundances of heavy elements supported by radiative levitation in the atmospheres of hot DA white dwarfs*, *Astrophys. J.* **454**, 429.
32. Gonzales, J. F., Artru, M.-C., Michaud, G.: 1995, *Radiative accelerations on carbon, nitrogen and oxygen*, *Astron. Astrophys.* **302**, 788.
33. Gonzales, J. F., LeBlanc, F., Artru, M.-C., Michaud, G.: 1995, *Improvements on radiative acceleration calculations in stellar envelopes*, *Astron. Astrophys.* **297**, 223.
34. LeBlanc, F., Michaud, G.: 1995, *Radiative accelerations on iron*, *Astron. Astrophys.* **303**, 166.
35. Stehle, C.: 1995, *Line shapes in astrophysics*, in *Spectral Line Shapes 8*, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 36.
36. Placentino, L., Colombo, E., Emolumento, E., Paganini, E., Piemontese, V., Tondello, G.: 1996, *Spectroscopic measurements of radial distribution of electron density and temperature in a SF<sub>6</sub> plasma*, *Pure and Applied Optics*, **5**, 471.
37. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, *Zh. Prikl. Spektrosk.* **63**, 816.
38. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, *J. Appl. Spectrosc.* **63**, 690.
39. Vogt, H. H. editor: 1996, *Stellar atmospheres: Atomic and molecular data*, *Astronomy and Astrophysics Extension and Supplement to Vol. 2*, Subvolume B, Stars and Star Clusters, Landolt-Boernstein, Group VI: *Astron. Astrophys. Volume 3*, Springer, 57.
40. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, *Astron. Astrophys. Transactions* **12**, 85.
41. Michaud, G., Richer, J.: 1997, *Line Profiles and Actor: Abundance Anomalies in Stars*, *Spectral Line Shapes 9*, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 397.
42. Seaton, M. J.: 1997, *Radiative Accelerations in Stellar Envelopes*, *MNRAS* **289**, 700.
43. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, *Physics Reports* **316**, 339.
44. Gonzalez, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2000, *Stark width and shift measurements of visible Si III lines*, *Astron. Astrophys.* **363**, 1177.
45. Artru, M. C.: 2001, *Parametric estimates of Line Broadening due to Quadratic or Linear Stark Effect*, *Spectroscopic Challenges of Photoionized Plasmas*, eds. G. Ferland, D. W. Savin, ASP Conference Series **247**, 155.
46. Blagojević, M., Popović, M. V., Konjević, N.: 2001, *Stark shifting of analogous spectral lines along isoelectronic sequences of beryllium and boron*, *Physica Scripta* **64**, 448.

47. Chenais-Popovics, C., Fajardo, M., Gilleron, F., Teubner, U., Gauthier, J. C., Bauche-Arnoult, C., Bachelier, A., Bauche, J., Blenski, T., Thais, F., Perrot, F., Benuzzi, A., Turck-Chieze, S., Chieze, J. P., Dorchie, F., Andiel, U., Foelsner, W., Eidmann, K.: 2001, *L-band x-ray absorption of radiatively heated nickel*, Physical Review E **65**, 016413.
48. Jiaolong Zeng, Jianmin Yuan, Qisheng Lu: 2001, *Photoionization of O III low-lying states: Autoionization resonance energies and widths of some 1s-2p excited states*, Journal of Physics B **34**, 2823.
49. Jiaolong Zeng, Jianmin Yuan, Qisheng Lu: 2001, *Detailed - term - accounting - approximation calculations of the radiative opacity of laser - produced Al plasmas*, Physical Review E **64**, 066412.
50. Jiaolong Zeng, Jianmin Yuan, Qisheng Lu: 2001, *Photoionization for the ground state of Al VII from threshold to the K shell*, Physical Review A **64**, 042704.
51. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
52. Jiaolong Zeng, Jianmin Yuan: 2002, *Resonance energies, oscillator strengths and autoionization widths of the 1s-2p excitations from O IV low-lying states*, Journal of Physics B **35**, 3041.
53. Jiaolong Zeng, Jianmin Yuan: 2002, *Detailed - term - accounting - approximation calculations of the radiative opacity of aluminium plasmas: A systematic study*, Physical Review E **66**, 06401.
54. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
55. Šćepanović, M., Purić, J.: 2003, *Stark width and shift dependence on the rest core charge of the emitters for multiply charged ion spectral lines*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 135.
- 56. A. A. Mihajlov, M. S. Dimitrijević, D. Djordjević, M. Luft, W. D. Kraeft: 1987, Contrib. Plasma Phys. 27, 1 [A 38].**
  1. Sigenefer, F., Arndt, S., Redmer, R., Luft, M., Tamme, D., Kraeft, N. D., Ropke, G., Meyer, T.: 1988, *Transport cross sections for charged particle scattering in (dense-) cesium plasma: Electrical conductivity*, Physica A (Amsterdam) **152**, 365.
  2. Mihajlov, A. A., Djordjević, D., Popović, M. M., Meyer, T., Luft, M., Kraeft, W. D.: 1989, *Determination of the electrical conductivity of a plasma on the basis of the Coulomb cut - off potential model*, Contrib. Plasma Phys. **29**, 441.
  3. Zaika, E. V., Mullenko, I. A., Khomkin, A. L.: 2000, *Electrical Conductivity of Fully Ionized Nonideal Plasma with Screened Interaction between Charges*, High Temperature **38**, 1.



- 57. M. S. Dimitrijević: 1987, Private communication.**
1. Artru, M. C., Lanz, T.: 1987, *Silicon absorption in UV spectra of Ap Si stars*, *Astron. Astrophys.* **182**, 273.
- 58. I. Vince, M. S. Dimitrijević: 1987, in Spectral Line Shapes 4, ed. R. J. Exton, A. Deepak, Hampton, Virginia, USA, 621 [D 11].**
1. Prieto, C. A., Lopez, R. J. G., Bueno, J. T.: 1997, *The Limited Influence of Pressure-Gradients on Late-Type Stellar Line Asymmetries*, *Astrophys. J.* **483**, 941.
- 59. M. S. Dimitrijević, A. A. Mihajlov, M. M. Popović: 1987, Astron. Astrophys. Suppl. Series 70, 57 [A 39].**
1. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34. .
- 60. M. S. Dimitrijević.: 1988, in Physics of Formation of Fe II Lines Outside LTE, eds. R. Viotti, A. Vittone, M. Friedjung, Reidel, P. C., 211 [D 14].**
1. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in *Elemental abundance analysis*, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
- 61. T. Lanz, M. S. Dimitrijević, M. C. Artru: 1988, Astron. Astrophys. 192, 249 [A 41].**
1. Adelman, S. J.: 1988, *Elemental abundance analyses with co-added DAO spectrograms - IV. Revision of Previous Analyses*, *Monthly Notices of the Royal Astronomical Society* **235**, 749.
  2. Adelman, S. J.: 1988, *Elemental abundance analyses with co-added DAO spectrograms - V. The Mercury-Manganese Stars Phi-Herculis, 28-Herculis and Hr-7664*, *Monthly Notices of the Royal Astronomical Society* **235**, 763.
  3. Lanz, T.: 1988, *Abundance analysis of Phi Hercules*, in *Elemental abundance analysis*, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 82.
  4. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in *Elemental abundance analysis*, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
  5. Manola, S., Konjević, N., Richou, J., Lebrun, J. L., Lesage, A.; 1988, *Stark broadening of the singly ionized xenon lines: Temperature variation*, *Phys. Rev. A* **38**, 5742.
  6. Adelman, S. J.: 1989, *Elemental abundance analyses with co-added DAO spectrograms - VI. The Mercury-Manganese Stars Nu-Cancri, Iota Corinae Borealis and Hr-8349*, *Monthly Notices of the Royal Astronomical Society* **239**, 487.
  7. Lesage, A., Lebrun, J. I., Miller, M. H., Manola, S.: 1989, *The singly ionized silicon spectra: Transition probabilities and Stark parameters of astrophysical interest, and unexpected results*, XIX ICPIG, Beograd, 280.

8. Castelli, F., Singh, J.: 1990, *The features at 130.55 and 130.95 nm in B type stars*, Proc.Int. Symp. "Evolution in Astrophysics", Toulouse, ESA SP-310, 261.
9. Perez, C., De la Rosa, M. I., De Frutos, A. M., Gonzales V. R., Mar, S.: 1990, *Stark broadening of several Si II lines*, Ann. De Physique, Coll. No3, Suppl. Au No 3, **15**, 115.
10. Adelman, S. J.: 1991, *Elemental abundance analyses with DAO spectrograms - VII. The late normal B stars Pi Ceti, 134 Tauri, 21 Aquilae and Nu Capricorni and the use of Reticon spectra*, Mon. Not. R. Astr. Soc. **252**, 116.
11. Adelman, S. J., Bolcal, C., Hill, G., Kocer, D.: 1991, *Elemental abundance analyses with DAO spectrograms - VIII. The normal F main sequence stars Theta Cygni and Iota Piscium*, Mon. Not. R. Astr. Soc. **252**, 329.
12. Gustafsson, B.: 1991, *The future of stellar spectroscopy and its dependence on you*, Physica Scripta **T34**, 14.
13. Mathys, G.: 1991, *The blue stragglers of M 67*, Astron. Astrophys. **245**, 467.
14. Adelman, S. J.: 1992, *Elemental abundance analyses with DAO spectrograms - X. The mercury - manganese stars Pi<sup>1</sup> Bootis, v Herculis and HR 7361*, Montly Notices of the Royal Astronomical Society **258**, 167.
15. Adelman, S. J., Philippe, A. G. D.: 1992, *Elemental abundances of the B - star and A - star Gamma Geminorum, 7 - Sextantis, Hr - 4817, and Hr - 5780*, Publ. Astron. Society of Pacific, **104**, 316.
16. Bolcal, C., Kocer, D., Adelman, S. J.: 1992, *Elemental abundance analyses with DAO spectrograms. IX. The metallic - lined stars 15 - Vulpeculae and 32 - Aquarii*, Mon. Not. R. Astron. Soc. **258**, 270.
17. Singh, J., Castelli, F.: 1992, *Effective temperature of B - type stars from the Si II lines of the UV multiplet 13.04 at 130.5 - 130.9 nm*, Astron. Astrophys. **253**, 431.
18. Lanz, T., Artru, M. C., Didelon, P., Mathys, G.: 1993, *The Ga - II lines in the red spectrum of Ap stars*, Astron. Astrophys. **272**, 465.
19. Lopez-Garcia, Z., Adelman, S. J.: 1993, *An abundance analysis of the silicon CP star HD 43819*, in Peculiar versus normal phenomena in A-type and related stars, Astron. Soc. of Pacific Conference Series **44**, 149.
20. Perez, C., de la Rosa, I., de Frutos, A. M., Mar, S.: 1993, *Temperature dependence of Stark broadening for several Si II lines*, Phys. Rev.E **47**, 756.
21. Pintaldo, O. I., Adelman, S. J.: 1993, *Elemental abundance analyses with DAO spectrograms. XI. B stars Gamma Pegasi and Iota Herculis*, Mon. Not. R. Astron. Soc. **264**, 63.
22. Rauch, T.: 1993, *NLTE Analysis of subluminoous O stars: the hot subdwarf in the binary system HD 128220*, Astron. Astrophys. **276**, 171.
23. Sokoll, M., Mitsching, J., Meiners, D., Lesage, A.: 1993, *Shock tube measurements of Stark width and shift of silicon II lambda = 386.26nm*, XXI ICPIG Bochum, 269.

24. Adelman, S. J.: 1994, *Elemental abundance analyses with DAO spectrograms - XII. The mercury - manganese stars HR 4072A and 7775 and the metallic - lined star HR 4072B*, Mont. Not. R. Astron. Soc. **266**, 97.
25. Adelman, S. J.: 1994, *Elemental abundance analyses with DAO spectrograms. XIII. The superficially normal early A - type stars 68 Tauri, 21 Lyncis and Alpha Draconis*, Mont. Not. Roy. Soc. **271**, 355.
26. Adelman, S. J., Davis Philip, A. G.: 1994, *Elemental abundances of the B and A stars. II. Gamma Geminorum, HD 60825, 7 Sextantis, HR 4817, and HR 5780*, Publ. Astron. Soc. Pacific **106**, 1239.
27. Djenize, S., Skuljan, Lj., Labat, J., Bukvić, S., Konjević, R.: 1994, *Measured Stark widths and shifts of several Ni I and Ni II spectral lines*, Astron. Astrophys. Suppl. Series **105**, 115.
28. Хохлова, В. Л.: 1994, О роли Штарковских сдвигов спектральных линий при определении химического состава звезд методом моделей атмосфер, Письма в Астрон. Ж. **20**, 110.
29. Lopez-Garcia, Z., Adelman, S. J.: 1994, *Elemental abundance studies of CP stars: The silicon star HD 43819 and the CP star HD 147550*, Astron. Astrophys. Suppl. Series **107**, 353.
30. North, P., Berthet, S., Lanz, T.: 1994, *The nature of the F STR Lambda 4077 stars V. Spectroscopic data*, Astron. Astrophys. Suppl. Series **103**, 321.
31. Wahlgren, G. M., Adelman, S. J., Robinson, R. D.: 1994, *An optical region elemental abundance analysis of the chemically peculiar HgMn star Chi Lupi*, Astrophys. J. **434**, 349.
32. Zverko, J., Zboril, M., Žižnovsky, J.: 1994, *Abundance determination in the CP star 21 Canum Venaticorum by means of spectrum synthesis*, Astron. Astrophys. **283**, 932.
33. Artru, M. C.: 1995, *Atomic data and stellar chemical peculiarities for the elements Z=6 to 20*, in Atomic Spectra and Oscillator Strengths for Astrophysics and Fusion Research, ed. J. E. Hansen, North Holland, Amsterdam, Oxford, New York, Tokyo, 38.
34. Kuschnig, R., Ryabchikova, T., Piskunov, N., Weiss, W. W., LeContel, J. M.: 1995, *The atmosphere of the peculiar binary system ET Andromedae*, Astron. Astrophys. **294**, 757.
35. Piskunov, N. E., Kupka, F., Ryabchikova, T. A., Weiss, W. W., Jeffery, C. S.: 1995, *VALD: The Vienna Atomic Line Data Base*, Astron. Astrophys. Suppl. Series **112**, 525.
36. Piskunov, N., Ryabchikova, T. A., Kuschnig, R., Weiss, W. W.: 1994, *Spectrum variability of ET Andromedae: Si and He surface mapping*, Astron. Astrophys. **291**, 910.
37. Adelman, S. J.: 1996, *Elemental Abundance Analyses with DAO Spectrograms. 15. The Superficially Normal Late B-Type and Early A-Type Stars Merak, Pi Draconis and Kappa Cephei*, Monthly Notices of the Royal Astronomical Society **280**, 130.
38. Adelman, S. J., Philip, A. G. D.: 1996, *Elemental Abundances of the B-Star and A-Star .3. Gamma-Geminorum, Hr-1397, Hr-2154, HD-60825 and*

- 7-Sextantis, Monthly Notices of the Royal Astronomical Society **282**, 1181.
39. Bertuccelli, D., Dirocco, H. O.: 1996, *The Elastic Contribution to the Line-widths*, Physics of Plasmas **3**, 2778.
  40. Pintaldo, O. I., Adelman, S. J.: 1996, *Elemental abundance analyses with Complejo Astronomico El Leoncito REOSC echelle spectrograms. I. Kappa Cancri, HR 7245, and Ksi Octantis*, Astron. Astrophys. Suppl. Series **118**, 283.
  41. Adelman, S. J., Caliskan, H., Kocer., D., Bolcal, C.: 1997, *Elemental Abundance Analyses with DAO Spectrograms. 16. The Normal-F Main-Sequence Stars Sigma-Bootis, Theta-Cygni and Iota-Piscum, and the Am Stars 15-Vulpeculae and 32-Aquarii*, MNRAS **288**, 470.
  42. Caliskan, H., Adelman, S. J.: 1997, *Elemental Abundance Analyses with DAO Spectrograms .17. The Superficially Normal Early A-Stars 2-Lyncis, Omega-Ursa-Majoris and Phi-Aquiliae*, MNRAS **288**, 501.
  43. Lesage, A., Depiesse, M., Meiners, D., Richou, J., Wollschlager, F.: 1997, *A New Deconvolution Method Applied to the Si II(1) Lines Profiles*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **155**, 153.
  44. Wollschlaeger, F., Mitsching, J., Meiners, D., Depiesse, M., Richou, J., Lesage, A.: 1997, *Measurements of the ionised silicon multiplet (1) Stark parameters by two different methods*, JQSRT **58**, 135.
  45. Adelman, S. J.: 1998, *Elemental Abundance Analyses with DAO Spectrograms - XIX - The Superficially Normal B-Stars Zeta-Draconis, Eta-Lyrae, 8-Cygni and 22-Cygni*, Monthly Notices of the Royal Astronomical Society **296**, 856.
  46. Adelman, S. J., Albayrak, B.: 1998, *Elemental Abundance Analyses with DAO Spectrograms - 20 - The Early A-Stars Epsilon-Serpentis, 29-Vulpeculae and Sigma - Aquarii*, Monthly Notices of the Royal Astronomical Society **300**, 359.
  47. Pintado, O. I., Adelman, S. J., Gulliver, A. F.: 1998, *Elemental Abundance Analyses with Complejo-Astronomico - El-Leoncito REOSC Echelle Spectrograms - III - Hr-4487, 14-Hydrae, and 3-Centauri-A*, Astronomy and Astrophysics Supplement Series **129**, 563.
  48. Adelman, S. J., Caliskan, H., Cay, T., Kocer., D., Tektanali, H. G.: 1999, *Elemental Abundance Analyses with DAO Spectrograms. 21. The hot metallic lined stars 60 Leonis and 6 Lyrae*, MNRAS **305**, 591.
  49. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  50. Kupka, F., Piskunov, N., Ryabchikova, T. A., Stempels, H. C., Weiss, W. W.: 1999, *VALD-2: Progress of the Vienna Atomic Line Data Base*, Astron. Astrophys. Suppl. Series **138**, 119.
  51. Lesage, A., Konjević, N., Fuhr, J. R.: 1999, *Progress in Spectral Line Shapes and Shifts Evaluation of Experimental Stark Broadening Parameters*, in Spectral Line Shapes **10**, 14th ICSLS, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American In-

- stitute of Physics, Woodbury, New York, 27.
52. Lopez-Garcia, Z., Adelman, S. J.: 1999, *Elemental Abundance Studies of CP Stars. II. The Silicon Stars HD 133029 and HD 192913*, Astronomy and Astrophysics Supplement Series **137**, 227.
  53. Ryabchikova, T. A., Piskunov, N., Stempels, H. C., Kupka, F., Weiss, W. W.: 1999, *The Vienna Atomic Line Data Base - a Status Report*, Physica Scripta **T83**, 162.
  54. Lopez-Garcia, Z., Adelman, S. J., Pintado, O. I.: 2001, *Elemental abundance studies of CP stars III. The magnetic CP stars alpha Scl and HD 170973*, Astron. Astrophys. **367**, 859.
  55. Albacete-Colombo, J. F., Lopez-Garcia, Z., Levato, H., Malaroda, S. M., Grosso, M.: 2002, *Elemental abundance study of the CP star HD 206653*, Astron. Astrophys. **392**, 613.
  56. Alonso, M. S., Lopez-Garcia, Z., Malaroda, S., Leone, F.: 2003, *Elemental abundance studies of CP stars. The helium-weak stars HD 19400, HD 34797 and HD 35456*, Astron. Astrophys. **402**, 331.
  57. Ryabchikova, T.: 2003, *Importance of Stark Damping in the Study of Abundance Stratification in Ap Stars*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 105.
- 62. Y. Vitel, M. Skowronek, M. S. Dimitrijević, M. M. Popović: 1988, Astron. Astrophys 200, 285 [A 42].**
1. Vitel, Y., Mokhtari, A., Skowronek, M.: 1990, *Electrical conductivity and pertinent collision frequencies in non-ideal plasmas with only a few particles in the Debye sphere*, J. Phys. B **23**, 651.
  2. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  3. Djeniže, S., Skuljan, Lj., Konjević, R.: 1995, *Experimental Stark shifts of several He I and Ar I spectral lines*, JQSRT **54**, 581.
  4. Sarandaev, E. V., Salakhov, M. Kh.: 1996, *Regularities in the Stark widths and shifts of spectral lines of singly - ionized aluminium*, JQSRT **56**, 399.
- 63. M. S. Dimitrijević: 1988, Bull. Obs. Astron. Belgrade, 139, 31 [E 9].**
1. Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, *Stark broadening of Ar IV lines in a dense plasma*, J. Phys. B **22**, 241.
  2. Heading, D. J., Wark, J. S., Lee, R. W., Stamm, R., Talin, B.: 1997, *Comparison of the Semiclassical and Modified Semiempirical Method of Spectral Calculation*, Phys. Rev. E **56**, 936.
- 64. M. S. Dimitrijević: 1988, Bull. Obs. Astron. Belgrade, 139, 70 [E 10].**
1. Huang Y. W., Wang J. S., Moreno J. C., Griem, H. R.: 1990, *Measurement and interpretation of spontaneous line emission from a common upper level in laser - produced carbon - plasmas*, Phys. Rev. Lett. **65**, 1757.

- 65. M. S. Dimitrijević: 1988, IX Nat. Conf. Astr. Yug., Sarajevo, 8 [Jb 9].**
1. Lanz, T., Artru, M. C.: 1988, *Critical overview of atomic data for stellar abundance analysis*, in *Elemental abundance analysis*, eds. S. J. Adelman, T. Lanz, Institut d'Astronomie de l'Université de Lausanne, 156.
- 66. M. S. Dimitrijević: 1988, Astron. Astrophys. Suppl. Series 76, 53 [A 43].**
1. Hey, J. D., Gawron, A., Xu, X. J., Breger, P., Kunze, H. J.: 1989, *Stark broadening of Ar IV lines in a dense plasma*, J. Phys. B **22**, 241
  2. Djenize, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1990, *Stark-broadening regularities of np-nd transition arrays of nitrogen, oxygen, neon, and silicon ion spectral lines*, Astron. Astrophys. **227**, 291.
  3. Djenize, S., Srećković, A., Platiša, M., Konjević, R., Labat, J., Purić, J.: 1990, *Stark broadening and shift of singly and doubly ionized sulfur spectral lines*, Phys. Rev. A **42**, 2379.
  4. Kudritzki R., Hummer D. G.: 1990, *Quantitative spectroscopy of hot stars*, Ann. Rev. Astron. Astrophys. **28**, 303.
  5. Purić, J., Čuk, M., Djenize, S., Lesage, A.: 1990, *Stark parameter regularities along the periodic table*, in *Spectral Line Shapes 6*, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 609.
  6. Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in *Atomic and Molecular Data for Space Astronomy: Needs, Analysis and Availability*, eds. P. L. Smith, W. L. Wiese, Lecture Notes in Physics **407**, 121.
  7. Alecian, G., Michaud, G., Tully, J.: 1993, *Radiative Accelerations on Iron Using Opacity Project Data*, Astrophys. J. **411**, 882.
  8. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825.
  9. Smith, K. C.: 1993, *Elemental abundances in normal late-B and HgMn stars from co-added IUE spectra. 2. Magnesium, aluminium and silicon*, Astron. Astrophys. **276**, 393.
  10. Purić, J., Šćepanović, M., Čuk, M.: 1997, *Stark widths predictions from regularities for some multiply charged ion off resonance lines*, Физика плазмы и плазменные технологии, Материалы конференции, Минск 1997, Том 2, 320.
  11. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  12. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Čuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.
  13. Purić, J. Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.

14. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, Proc. XXIV Int. Conf. Phen. Ioniz. Gases, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
15. Gonzalez, V. R., Aparicio, J. A., del Val, J. A., Mar, S.: 2000, *Stark width and shift measurements of visible Si III lines*, *Astron. Astrophys.* **363**, 1177.
- 67. M. S. Dimitrijević: 1989, in Classical Dynamics in Atomic and Molecular Physics, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, New Jersey, London, Hong Kong, 403 [B 2].**
1. Grabowski, B., Czainski, A.: 1990, *Influence of Debye shielding and back reaction on Stark broadening of atomic lines in the quasi - classical impact model*, in *Spectral Line Shapes 6*, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 86.
- 68. I. Vince, M. S. Dimitrijević: 1989, in Solar and Stellar Granulation, eds. R. J. Rutten, G. Severino, Kluwer Acad. Publishers, Dordrecht, Boston, London, 93 [D 15].**
1. Атрощенко, И. Н., Гадун, А. С., Костык, Р.И.: 1990, *Тонкая структура Фраунгоферовских линий: Результаты наблюдений и интерпретация*, *Кинематика и физика небесных тел* **6** (6), 3.
2. Kršljanin, V., Vince, I., Erkapic, S.: 1991, *Fe I lines assymetries and shifts caused by pressure broadening*, in *The Sun and Cool Stars: activity, magnetism, dynamos*, *Lecture Notes in Physics* **380**, 277.
3. Gray, D. F., Baliunas, S. L.: 1994, *The Activity Cycle of Tau-Ceti*, *Astrophys. J.* **427**, 1042.
4. Vince, I.: 1996, *On temporal variations of Solar spectral lines*, in *Low temperature and general plasmas*, eds. M. Milosavljević, Z. Petrović, Nova Science Publishers Inc., 213.
- 69. M. S. Dimitrijević, M. M. Popović: 1989, Astron. Astrophys. 217, 201 [A 44].**
1. Lesage, A., Abadie, D., Miller, M. H.: 1989, *Stark broadening in krypton and xenon*, *Phys. Rev. A* **40**, 1367.
2. Thejll, P., Shipman, H. L., MacDonald, J., MacFarland, W. M.: 1990, *An atmospheric analysis of the carbon - rich white dwarf G35-26*, *Astrophys. J.* **361**, 197.
- 70. M. S. Dimitrijević, A. A. Mihajlov, Z. Djurić, B. Grabowski: 1989, J. Phys. B 22, 3845 [A 45].**
1. Ben Lakhdar, Z., Ben Nessib, N.: 1990, *Collision width function in a correlated plasma*, in *Spectral Line Shapes 6*, AIP Conf. Proc. **216**, eds. L. Fromhold, J. W. Keto, AIP, New York, 88.
2. Ben Nessib, N., Sahal-Bréchet, S., Ben Lakhdar, Z.: 1997, *Semiclassical Collisional Functions in a Non Ideal Plasma*, *Astron. Astrophys.* **324**, 799.
3. Bardet, J. P., Valognes, J. C., Vitel, Y.: 2000, *Complement to Stark broadening study of neutral He(I) spectral lineshapes in dense cold plasmas ( $1.0 \times 10^{17} \text{ cm}^{-3} < 1.6 \times 10^{18} \text{ cm}^{-3}$ ,  $20\,000 \text{ K} < T_e < 30\,000 \text{ K}$ )*, *J. Quant. Spectrosc. Radiat. Transfer* **65**, 853.

4. Drake, R. P., Marjoribanks, R. S.: 2001, *Ion plasma waves induced by frustrated Debye Shielding*, Physics of Plasmas **9**, 267.
71. V. Kršljanin, M. S. Dimitrijević: 1989, *Bull. Obs. Astron. Belgrade* **140**, 7 [E 12].
  1. Knauer, J. P., Kock, M.: 1996, *Experimental Stark broadening constants for Ar I, Ar II and Kr I resonance lines in the vacuum ultraviolet region*, JQSRT **56**, 563.
72. M. S. Dimitrijević: 1989, *Bull. Obs. Astron. Belgrade*, **140**, 111 [E 13].
  1. Djeniže, S., Skuljan, Lj., Konjević, R.: 1995, *Experimental Stark shifts of several He I and Ar I spectral lines*, JQSRT **54**, 581.
  2. Djeniže, S.: 1999, *On the Stark width regularities in the singly ionized argon spectrum*, Serb. Astron. J. **160**, 5.
  3. Djeniže, S.: 1999, *On the Stark width regularities in the doubly ionized oxygen spectrum*, J. Res. Phys. **28**, 227.
  4. Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1999, *On the Stark Width Regularities in the Singly Ionized Spectra*, Physica Scripta **59**, 98.
  5. Djeniže, S.: 2000, *On the Stark Width Regularities in Doubly Ionized Spectra*, Physica Scripta **61**, 412.
  6. Djeniže, S.: 2000, *Measured, calculated and predicted Stark widths of the singly ionized C, N, O, F, Ne, Si, P, S, Cl, and Ar Spectral lines*, Serb. Astron. J. **161**, 89.
73. M. S. Dimitrijević, S. Sahal-Bréchet: 1989, *Bull. Obs. Astron. Belgrade* **141**, 57 [E 14].
  1. Асташинский, В. М., Баканович, Г. И., Юкова, Н. А., Кузьмицкий, А. М., Маньковский, А. А., Минько, Л. Я.: 1991, *Спектроскопическая диагностика плазмы квазистационарного сильноточного плазменного ускорителя с использованием примесей инертных газов*, Ж. Прикл. Спектроск. **55**, 337.
  2. Heading, D. J., Marangos, J. P., Burges, D. D.: 1992, *Helium spectral line-shapes in a dense, cool, Z - pinch plasma*, J. Phys. B **25**, 4745.
  3. Castelli, F., Bonifacio, P., Kurucz, R. L.: 1994, *The LTE helium abundance in Vega*, Proc. of the 25th Workshop and Meeting of the Working Group on CP stars, eds. I. Jankovics, I. J. Vince, ELTE Gothard Astrophysical Observatory, Szombathely, 141.
  4. Mijatović, Z., Konjević, N., Ivković, M., Kobilarov, R.: 1994, *Influence of ion dynamics on the width and shift of isolated He I lines in plasmas. II*, Phys. Rev. E **51**, 4891.
  5. Bonifacio, P., Castelli, F., Hack, M.: 1995, *The field horizontal - branch B - type star Feige 86*, Astron. Astrophys. Suppl. Series **110**, 441
  6. Buescher, S., Glenzer, S., Wrubel, Th., Kunze, H.-J.: 1995, *Profiles of the He I  $2^3P - 3^3D$  line at high densities*, JQSRT **54**, 73.
  7. Djeniže, S., Skuljan, Lj., Konjević, R.: 1995, *Experimental Stark shifts of several He I and Ar I spectral lines*, JQSRT **54**, 581.
  8. Mijatović, Z.: 1996, *Influence of ion - dynamics effect on the shape of neutral atoms spectral lines*, Zh. Prikl. Spektrosk. **63**, 836.



9. Mijatović, Z.: 1996, *Influence of ion - dynamics effect on the shape of neutral atoms spectral lines*, J. App. Spectrosc. **63**, 709.
  10. Mijatović, Z.: 1997, *Influence of ion-dynamics on the shape of neutral helium and carbon lines*, in The Physics of ionized gases (18th SPIG) eds. B. Vujičić, S. Djurović, J. Purić, Institute of Physics, Faculty of Sciences, University of Novi Sad, Novi Sad, 351.
  11. Vitel, Y., El Bezzari, M., D'yachkov, L. G., Kurilenkov, Yu. K.: 1998, *Profiles of neutral lines emitted from weakly nonideal helium plasmas produced in flashlamps*, 14th Int. Conf. on Spectral Line Shapes, State College, Pennsylvania, 1998, Penn State University Park, 51.
  12. Vitel, Y., El Bezzari, M., D'yachkov, L. G., Kurilenkov, Yu. K.: 1998, *Profiles of neutral lines emitted from weakly nonideal helium plasmas produced in flashlamps*, in Spectral Line Shapes **10**, 14th ICSLS, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 183.
  13. Astashynski, V. M.: 1999, *The problems of plasma accelerator spectroscopy diagnostics*, J. Res. Phys. **28**, 199.
  14. Jeffery, C. S., Woolf, V. M., Pollacco, D. L.: 2001, *Time-resolved spectral analysis of the pulsating helium star V652 Her*, Astronomy and Astrophysics **376**, 497.
- 74. V. Kršljanin, M. S. Dimitrijević: 1989, Z. für Physik D 14, 273 [A 46].**
1. Aparicio, J. A., Gigoso, M. A., Gonzales, V. R., Perez, C., de la Rosa, M. I., Mar, S.: 1998, *Measurement of Stark-Broadening and Shift of Singly Ionized Ar Lines*, Journal of Physics B **31**, 1029.
  2. Mišković, D., Srećković, A., Bukvić, S., Djeniže, S.: 1999, *Experimental Stark shifts of several Ar II spectral lines*, J. Res. Phys. **28**, 247.
- 75. M. S. Dimitrijević, S. Sahal-Bréchet: 1990, Astron. Astrophys. Suppl. Series 82, 519 [A 47].**
1. Heading, D. J., Marangos, J. P., Burges, D. D.: 1992, *Helium spectral line-shapes in a dense, cool, Z - pinch plasma*, J. Phys. B **25**, 4745.
  2. Van Regemorter, H., Hoang-Binh, D.: 1993, *Stark broadening theory of solar Rydberg lines in the far infrared spectrum*, Astron. Astrophys. **277**, 623.
  3. Mijatović, Z., Konjević, N., Ivković, M., Kobilarov, R.: 1994, *Influence of ion dynamics on the width and shift of isolated He I lines in plasmas. II*, Phys. Rev. E **51**, 4891.
  4. Schoning, T.: 1994, *Stark broadening of He I lines*, J. Phys. B **27**, 4501.
  5. Smith, M. A., Hubeny, I., Lanz, T., Meylan, T.: 1994, *Dynamic processes in Be star atmospheres II. He I 2P-nD line formation in lambda Eridani (outburst)*, Astrophys. J. **432**, 392.
  6. Buescher, S., Glenzer, S., Wrubel, Th., Kunze, H.-J.: 1995, *Profiles of the He I 2<sup>3</sup>P - 3<sup>3</sup>D line at high densities*, JQSRT **54**, 73.
  7. Butler, K.: 1995, *Atmospheres and winds of hot stars: The impact of new opacity calculations and continuing needs*, in Astrophysical Applications of Powerful New Databases, eds. S. J. Adelman, W. L. Wiese, ASP Conf.

Series **78**, 509.

8. Djeniže, S., Skuljan, Lj., Konjević, R.: 1995, *Experimental Stark shifts of several He I and Ar I spectral lines*, JQSRT **54**, 581.
9. Schoening, T.: 1995, *Stark broadening of He I lines*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 77.
10. Israelian, G., Friedjung, M., Graham, J., Matorio, G., Rossi, C., de Winter, D.: 1996, *The atmospheric variations of the peculiar B[e] star HD 45677 (FS Canis Majoris)*, Astron. Astrophys. **311**, 643.
11. Mijatović, Z.: 1996, *Influence of ion - dynamics effect on the shape of neutral atoms spectral lines*, Zh. Prikl. Spektrosk. **63**, 836.
12. Mijatović, Z.: 1996, *Influence of ion - dynamics effect on the shape of neutral atoms spectral lines*, J. App. Spectrosc. **63**, 709.
13. Mijatović, Z., Konjević, N., Kobilarov, R., Djurović, S., Ivković, M.: 1996, *Search for ion - dynamics effects on the shift and width of plasma broadened neutral atom lines*, 5th Int. Coll. on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas, Meudon 1995, Poster Papers, eds. W.-U. L. Tchang - Brilet, J.-F. Wyrat, C. J. Zeippen, Observatoire de Paris, Meudon, 130.
14. Valenti, J. A., Piskunov, N.: 1996, *Spectroscopy Made Easy - A New Tool for Fitting Observations with Synthetic Spectra*, Astron. Astrophys. Suppl. Series **118**, 595.
15. Захарова, Л. А., Рябчикова, Т. А.: 1996, *Изомон  $^3\text{He}$  в атмосферах HgMn звезд*, Письма в Астрон. Ж. **22**, 172.
16. Golovatyj, V. V., Sagar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
17. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
18. Leone, F., Lanzafame, A. C.: 1997, *Behavior of the HeI 587.6, 667.8, 706.5 and 728.1 nm Lines in B-Type Stars - On the Helium Stratification in the Atmosphere of Magnetic Helium Peculiar Stars*, Astron. Astrophys. **320**, 893.
19. Mijatović, Z.: 1997, *Influence of ion-dynamics on the shape of neutral helium and carbon lines*, in The Physics of ionized gases (18th SPIG) eds. B. Vujčić, S. Djurović, J. Purić, Institute of Physics, Faculty of Sciences, University of Novi Sad, Novi Sad, 351.
20. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
21. Leushin, V. V., Glagolevskij, Yu. V., North, P.: 2000, *Helium abundance in atmospheres of He-rich stars*, in Magnetic Fields of Chemically Peculiar and Related Stars, eds. Yu. V. Glagolevskij, I. I. Romanyuk, Russian Academy of Sciences, Special Astrophysical Observatory, Moscow, 173.

22. Jeffery, C. S., Woolf, V. M., Pollacco, D. L.: 2001, *Time-resolved spectral analysis of the pulsating helium star V652 Her*, *Astronomy and Astrophysics* **376**, 497.
23. Piskunov, N., Kupka, F.: 2001, *Model atmospheres with individualized abundances*, *Astrophys. J.* **547**, 1040.
24. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysically important 447.15, 587.56 and 667.82 nm He spectral lines broadening*, *Astron. Astrophys.* **393**, 721.
25. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysical important 388.86, 471.32 and 501.56 nm He I spectral lines broadening*, *New Astronomy* **7**, 543.
26. Milosavljević, V., Djeniže, S.: 2002, *The He I 706.52 nm line shape characteristics in the plasma diagnostics*, *Eur. Phys. J. D* **23**, 385.
27. Milosavljević, V., Djeniže, S.: 2002, *Ion characteristics to the 667.82 nm He I spectral line shapes*, *Proc. 3rd Bulgarian-Serbian Astronomical Meeting*, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Ivanov, M. S. Dimitrijević, P. Jovanović, *Publ. Astron. Obs. Belgrade* **73**, 167.
28. Milosavljević, V., Djeniže, S.: 2002, *Contribution of ion to the astrophysical important 471.32 nm He I spectral line broadening*, *Proc. 3rd Bulgarian-Serbian Astronomical Meeting*, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Ivanov, M. S. Dimitrijević, P. Jovanović, *Publ. Astron. Obs. Belgrade* **73**, 173.
29. Milosavljević, V.: 2003, *Electron and ion contributions to the Stark broadening in the He I spectrum*, *IV Serbian Conference on Spectral Line Shapes*, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, *Publ. Astron. Obs. Belgrade* **76**, 47.
30. Smith, G. R.: 2003, *Enhancement of the helium resonance lines in the solar atmosphere by suprathermal electron excitation - II. Non-Maxwellian electron distributions*, *Mon. Not. Roy. Astron. Soc.* **341**, 143.
- 76. M. S. Dimitrijević, P. Grujić, G. Peach, N. Simonović: 1990, J. Phys. B 23, 1641 [A 48].**
  1. Grujić, P., Koledin, D.: 1989, *Simultaneous excitation - detachment functions for the electron - negative hydrogen ion collisions near the threshold*, *Z. Phys. D* **14**, 327.
  2. Grujić, P., Koledin, D.: 1993, *Simultaneous excitation-detachment functions for the electron-negative hydrogen ion collisions near the threshold*, *Z. Phys. D* **28**, 1831.
  3. Grujić, P. V.: 1997, *Some Recent Advances in the Near-Threshold Ionization Theory*, *Comments on Atomic and Molecular Physics* **33**, 351.
  4. Grujić, P. V., Simonović, N.: 1998, *e+H- Detachment Function - I - The Classical-Dynamic Study*, *Journal of Physics B* **31**, 2611.
  5. Sakimoto, K.: 1998, *Theoretical Investigation of Collision-Induced Dissociation in He+Na<sub>2</sub>*, *Chemical Physics* **228**, 167.

77. **M. S. Dimitrijević, S. Sahal-Bréchet: 1990, JQSRT 44, 421 [A 49].**
1. Bacon, J. R., Ellis, A. T., Williams, J. G.: 1991, *Atomic spectrometry update-Inorganic mass spectrometry and X-ray fluorescence spectrometry*, J. Analyt. Atomic Spectroscopy **6**, 229R.
  2. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825
  3. Kettlitz, M., Oltmanns, P.: 1996, *Shift of the Na-I 467 and 498-nm Lines in a Dense-Plasma*, Phys. Rev. E **54**, 6741.
  4. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
78. **M. S. Dimitrijević, G. Peach: 1990, Astron. Astrophys. 236, 261 [A 50].**
1. Littlejohn, D., Jowitt, R., Sparkes, S., Thorne, A. P., Watson, S. J.: 1991, *Atomic spectrometry update-Atomic emission spectrometry*, J. Analyt. Atomic Spectroscopy **6**, 137R.
  2. Mashonkina, L. I., Bikmaev, I. F.: 1996, *Determination of Non-LTE Barium Abundances in Solar-Type Stars - A Technique for Non-LTE Calculations*, Astronomicheskij Zhurnal **73**, 109.
  3. Burrows, A., Marley, M. S., Sharp, C. M.: 2000, *The near-infrared and optical spectra of methane dwarfs and brown dwarfs*, Astrophysical Journal **531**, 438.
  4. Burrows, A., Hubbard, W. B., Lunine, J. I., Liebert, J.: 2001, *The theory of brown dwarfs and extrasolar giant planets*, Reviews of Modern Physics **73**, 719.
  5. Burrows, A., Volobuyev, M.: 2003, *Calculations of the far-wing line profiles of sodium and potassium in the atmospheres of substellar-mass objects*, Astrophysical Journal **583**, 985.
  6. Hubeny, I., Burrows, A., Sudarsky, D.: 2003, *A possible bifurcation in Atmospheres of strongly irradiated stars and planets*, Astrophysical Journal **594**, 1011.
79. **M. S. Dimitrijević, P. Grujić, N. Simonović: 1990, Z. für Physik D 15, 203 [A 51].**
1. Kuchiev, M. Y., Ostrovsky, V. N.: 1998, *Threshold Laws for the Breakup of Atomic Particles into Several Charged Fragments*, Physical Review A **58**, 321.
  2. Grujić, P. V.: 1999, *Triply excited three-electron systems-semiclassical model*, European Phys. J. D **6**, 441.
80. **S. Djurović, N. Konjević, M. S. Dimitrijević: 1990, X ICSLS, Austin, 26 [3 86].**
1. Kršljanin, V.: 1991, *Hydrogen - impact broadening and solar abundance of sodium*, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, Université de Montreal, 31,

- 81. S. Djurović, N. Konjević, M. S. Dimitrijević: 1990, Z. Phys. D 16, 255 [A 52].**
1. Baclawski, A., Goly, A., Ksiazek, I., Wujec, T.: 1997, *Stark Effect in Some Lines of Br I*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 307.
  2. Baclawski, A., Golly, A., Ksiazek, I., Wujec, T.: 2002, *Stark effect in some lines of neutral bromine*, J. Quant. Spectrosc. Radiat. Transfer **72**, 1.
  3. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 82. M. S. Dimitrijević: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics 356, 31 [B 4].**
1. Carlsson, M., Rutten, R. J., Shchukina, N. G.: 1992, *The formation of the Mg I emission features near 12 micrometers*, Astron. Astrophys. **253**, 567.
  2. Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in Atomic and Molecular Data for Space Astronomy: Needs, Analysis and Availability, eds. P. L. Smith, W. L. Wiese, Lecture Notes in Physics **407**, 121.
- 83. Dimitrijević, M. S., Ben Nessib, N.: 1991, in Spectral Line Shapes 5, 605 [D 18].**
1. Ben Nessib, N.: 2003, *Line broadening research in Tunisia: history, present state and international collaboration*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 11.
- 84. M. S. Dimitrijević, S. Sahal-Bréchet: 1990, Annales de Physique, Coll. No 3, Suppl. au No 3, 15, 77 [B 8].**
1. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
  2. Griem, H. R.: 1999, *Review of Plasma Broadening of Spectral Lines from Multiply Ionized Non-Hydrogenic Atoms*, In Spectral Line Shapes **10**, 14th ICSSL, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 3.
- 85. M. S. Dimitrijević, S. Sahal-Bréchet: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, No 3, C1-111 [B 5].**
1. Schoening, T.: 1995, *Line Broadening in Hot Stellar Atmospheres*, in White Dwarfs, eds. D. Koester, K. Werner, Springer Verlag, Berlin-Heidelberg, 113.
  2. Vogt, H. H. editor: 1996, *Stellar atmospheres: Atomic and molecular data*, Astronomy and Astrophysics Extension and Supplement to Vol. 2, Sub-volume B, Stars and Star Clusters, Landolt-Boernstein, Group VI: Astron. Astrophys. Volume 3, Springer, 57.

3. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
86. **M. S. Dimitrijević, S. Sahal-Bréchet, V. Bommier: 1991, Astron. Astrophys. Suppl. Series 89, 581 [A 53].**
  1. Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in Atomic and Molecular Data for Space Astronomy: Needs, Analysis and Availability, eds. P. L. Smith, W. L. Wiese, Lecture Notes in Physics **407**, 121.
  2. Rauch, T.: 1992, *NLTE Analysis of a sdO binary: HD128220*, Lecture Notes in Physics **401**, 267.
  3. Werner, K.: 1992, *Analysis of PG 1159 stars*, in The Atmospheres of Early-Type Stars, eds. U. Heber, C. S. Jeffery, Lecture Notes in Physics **401**, 273.
  4. Griem, H. R.: 1993, *Collisional and radiative processes in dense and hot plasmas*, in Spectral Line Shapes **7**, eds. R. Stamm, B. Talin, Nova, 3.
  5. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  6. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825.
  7. Schoning, T.: 1993, *Stark broadening of C IV lines*, J. Phys. B **26**, 899.
  8. Godbert, L., Calisti, A., Stamm, R., Talin, B., Glenzer, S., Kunze, H. J., Nash, J., Lee, R., Klein, L.: 1994, *Plasma spectroscopy of  $n = 4$  to 3 C IV and N IV lines in hot and dense plasmas*, Phys. Rev. E **49**, 5889.
  9. Godbert, L., Calisti, A., Stamm, R., Talin, B., Lee, R., Klein, L.: 1994, *Plasma diagnostics with spectral profile calculations*, Phys. Rev. E **49**, 5644.
  10. Glenzer, S.: 1995, *Line broadening of nonhydrogenic ions in plasmas*, in Spectral Line Shapes **8**, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 134.
  11. Stehle, C.: 1995, *Line shapes in astrophysics*, in Spectral Line Shapes **8**, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 36.
  12. Unglaub, K., Bues, I.: 1996, *The influence of gravitational settling and selective radiative forces in PG 1159 stars*, Astron. Astrophys. **306**, 843.
  13. Werner, K., Dreizler, S., Heber, U., Rauch, T., Fleming, T. A., Sion, E. M., Vauclair, G.: 1996, *High resolution UV spectroscopy of two hot (pre-) white dwarfs with the Hubble Space Telescope. KPD 0005+5106 and RXJ 2117+3412*, Astron. Astrophys. **307**, 860.
  14. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.

15. Vennes, S., Dupuis, J., Chayer, P., Polomski, E. F., Dixon, W. V., Hurwitz, M.: 1998, *The Complete Spectral Energy-Distribution and the Atmospheric Properties of the Helium-Rich White-Dwarf MCT 0501-2858*, Astrophysical Journal **500**, L41.
16. Djeniže, S.: 1999, *Measured, calculated and estimated Stark widths of the 580.133 nm and 581.198 nm C IV spectral lines*, Proc. XII Nat. Conf. Yug. Astron. and Int. Workshop on the Development of Astronomical Databases, eds. L. Č. Popović, M. Dačić, Publ. Astron. Obs. Belgrade **65**, 59.
17. Vennes, S., Thorstensen, J. R., Polomski, E. F.: 1999, *Stellar masses, kinematics, and white dwarf composition for three close DA+dMe binaries*, Astrophysical Journal **523**, 386.
18. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2000, *Experimental Stark width of the 581.198 nm C IV spectral lines*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 115.
19. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2000, *Stark broadening parameters in C II, C III and C IV spectra*, J. Phys. B **33**, 4873.
20. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 87. M. S. Dimitrijević, S. Sahal-Bréchet, V. Bommier: 1991, Astron. Astrophys. Suppl. Series 89, 591 [A 54].**
  1. Цымбал, В. В.: 1991, *Линии He I в атмосферах В-звезд*, Астрофиз. исслед. (Изв. САО), **34**, 113.
  2. Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, *Measured Stark widths of doubly and triply ionized silicon spectral lines*, Journal of Physics B **25**, 785.
  3. Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in Atomic and Molecular Data for Space Astronomy: Needs, Analysis and Availability, eds. P. L. Smith, W. L. Wiese, Lecture Notes in Physics **407**, 121.
  4. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  5. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825.
  6. Djurović, S.: 1995, *Plasma broadening of neutral halogen lines*, Physics of Ionized Gases, ed. D. Veža, Nova Science Publishers Inc., 429.
  7. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.

8. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
9. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 88. J. Purić, M. Ćuk, M. S. Dimitrijević, A. Lesage: 1991, Astrophys. J. 382, 353 [A 55].**
  1. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825.
  2. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  3. Purić, J., Ćuk, M.: 1995, *Stark parameter regularities within spectral series of several multicharged ions*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 79.
- 89. M. S. Dimitrijević, S. Sahal-Bréchet: 1991, JQSRT 46, 41 [A 56].**
  1. Zhao Zeng-xiu, Yuan Jian-min, Sun Yong-sheng: 1991, *Electron Interaction with Lithium Atoms and Electron Impact Broadening of the Lithium Resonance Line*, Chin. Phys. Lett. **16**, 885.
  2. Carlson, M., Rutten, R. J., Bruls, J. H. M. J., Schukina, N. G.: 1994, *The non-LTE formation of Li I lines in cool stars*, Astron. Astrophys. **288**, 860.
  3. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
- 90. M. S. Dimitrijević, S. Sahal-Bréchet: 1991, Bull. Obs. Astron. Belgrade 142, 29 [E 15].**
  1. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
- 91. M. S. Dimitrijević, S. Sahal-Bréchet: 1991, Bull. Obs. Astron. Belgrade 142, 59 [E 16].**
  1. Kršljanin, V.: 1991, *Hydrogen - impact broadening and solar abundance of sodium*, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, Université de Montreal, 31,
  2. Kettlitz, M., Oltmanns, P.: 1996, *Shift of the Na-I 467 and 498-nm Lines in a Dense-Plasma*, Phys. Rev. E **54**, 6741.



3. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
- 92. M. S. Dimitrijević, S. Sahal-Bréchet: 1991, Bull. Obs. Astron. Belgrade 143, 29 [E 19].**
1. Purić, J., Miller, M. H., Lesage, A.: 1993, *Electron impact broadening parameters predictions from regularities: Fe I, Fe II, Fe III, Fe IV, C IV and Si IV*, Astrophys. J. **416**, 825.
  2. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
  3. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
- 93. B. Grabowski, A. Czainski, M. S. Dimitrijević: 1991, JQSRT 45, 181 [A 57].**
1. Grabowski, B., Czainski, A., Halenka, J.: 1993, *Stark impact line width and shift in the quasi - classical adiabatic limit at presence of the back reaction and screening effects*, in Spectral Line Shapes **7**, eds. R. Stamm, B. Talin, Nova, 153.
  2. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, Zh. Prikl. Spektrosk. **63**, 816.
  3. Purić, J.: 1996, *Regularities in the Stark broadening and shift parameters of spectral lines*, J. Appl. Spectrosc. **63**, 690.
  4. Purić, J., Šćepanović, M., Čuk, M.: 1997, *Stark widths predictions from regularities for some multiply charged ion off resonance lines*, Физика плазмы и плазменные технологии, Материалы конференции, Минск 1997, Том 2, 320.
  5. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
  6. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark parameters of spectral lines of neutral magnesium*, J. Quant. Spectrosc. Radiat. Transfer **64**, 41.

7. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
8. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2001, *Stark width of spectral lines dependence for the ns - n'p and np - n's transitions of Li-like ions*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 132.
9. Šćepanović, M., Purić, J.: 2003, *Stark width and shift dependence on the rest core charge of the emitters for multiply charged ion spectral lines*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 135.
- 94. A. A. Mihajlov, M. S. Dimitrijević: 1992, Astron. Astrophys. 256, 305 [A 58].**
  1. Stancil, P. C.: 1994, *Continuous absorption by He<sub>2</sub><sup>+</sup> and H<sub>2</sub><sup>+</sup> in cool white dwarfs*, Astrophys. J. **430**, 360.
- 95. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Astron. Astrophys. Suppl. Series 95, 121 [A 59].**
  1. Glenzer, S., Hey, J. D., Kunze, H. J.: 1994, *Stark broadening of spectral lines along the isoelectronic sequence of B*, J. Phys. B **27**, 413.
  2. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
- 96. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Astron. Astrophys. Suppl. Series 95, 109 [A 60].**
  1. Werner, K.: 1992, *Analysis of PG 1159 stars*, in The Atmospheres of Early-Type Stars, eds. U. Heber, C. S. Jeffery, Lecture Notes in Physics **401**, 273.
  2. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  3. Alexiou, S.: 1994, *Collision operator for isolated ion lines in the standard Stark-broadening theory with applications to the Z scaling in the Li isoelectronic series 3p-3s transitions*, Phys. Rev. A **49**, 106.
  4. Glenzer, S., Hey, J. D., Kunze, H. J.: 1994, *Stark broadening of spectral lines along the isoelectronic sequence of B*, J. Phys. B **27**, 413.
  5. Rauch, T., Koeppen, J., Werner, K.: 1994, *Spectral analysis of the planetary nebula K 1-27 and its very hot hydrogen - deficient central star*, Astron. Astrophys. **286**, 543.
  6. Glenzer, S.: 1995, *Line broadening of nonhydrogenic ions in plasmas*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 134.
  7. Purić, J., Čuk, M.: 1995, *Stark parameter regularities within spectral series of several multicharged ions*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 79.

8. Schoning, T.: 1995, *Stark broadening of the NV 6f, g, h - 7f, g, h, i line complex*, Astron. Astrophys. Suppl. Series **113**, 579.
9. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
10. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
11. Purić, J., Šćepanović, M., Ćuk, M.: 1997, *Stark widths predictions from regularities for some multiply charged ion off resonance lines*, Физика плазмы и плазменные технологии, Материалы конференции, Минск 1997, Том 2, 320.
12. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
13. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
14. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.
15. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
16. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, Proc. XXIV Int. Conf. Phen. Ioniz. Gases, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
17. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
18. Konjević, N., Fuhr, J. R., Wiese, W. L.: 2001, *Plasma Broadening and Shift of Non-Hydrogenic Spectral Lines: An Overview of Recent Results*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 117.

19. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 97. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, JQSRT 48, 397 [A 61].**
1. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
  2. Villoresi, P., Bidoli, P., Nicolosi, P.: 1997, *Absorption-Spectra and Oscillator Strength Ratio Measurements for delta n=1 Transitions from Excited-Levels of Be-I and Be-II*, JQSRT **57**, 847.
  3. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  4. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.
  5. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
  6. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, Proc. XXIV Int. Conf. Phen. Ioniz. Gases, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
- 98. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, JQSRT 47, 315 [A 62].**
1. Smith, K. C.: 1997, *Elemental Abundances in Normal Late-B and HgMn Stars from Co-Added IUE Spectra. 5. Mercury*, Astron. Astrophys. **319**, 928.
- 99. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, JQSRT 48, 349 [A 63].**
1. Alexiou, S.: 1994, *Collision operator for isolated ion lines in the standard Stark-broadening theory with applications to the Z scaling in the Li isoelectronic series 3p-3s transitions*, Phys. Rev. A **49**, 106.
  2. Alexiou, S.: 1994, *Calculation of the semiclassical Stark-broadening dipole width functions for isolated ion lines*, JQSRT **51**, 849.
  3. Oks, A., Derevianko, A., Ispolatov, Ya.: 1995, *A generalized theory of Stark broadening of hydrogen - like spectral lines in dense plasmas*, JQSRT **54**, 307.
- 100. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Astron. Astrophys. Suppl. Series 96, 613 [A 64].**
1. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.

2. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
  3. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  4. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.
  5. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
  6. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, Proc. XXIV Int. Conf. Phen. Ioniz. Gases, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
- 101. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Astron. Astrophys. Suppl. Series 93, 359 [A 65].**
1. Werner, K.: 1992, *Analysis of PG 1159 stars*, in The Atmospheres of Early-Type Stars, eds. U. Heber, C. S. Jeffery, Lecture Notes in Physics **401**, 273.
  2. Purić, J.: 1993, *Stark broadening of spectral lines and the problem of regularities - present status*, XXI ICPIG, Proceedings III, Ruhr - Universitaet, Bochum, 34.
  3. Alexiou, S.: 1994, *Collision operator for isolated ion lines in the standard Stark-broadening theory with applications to the Z scaling in the Li isoelectronic series 3p-3s transitions*, Phys. Rev. A **49**, 106.
  4. Glenzer, S., Hey, J. D., Kunze, H. J.: 1994, *Stark broadening of spectral lines along the isoelectronic sequence of B*, J. Phys. B **27**, 413.
  5. Glenzer, S.: 1995, *Line broadening of nonhydrogenic ions in plasmas*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 134.
  6. Purić, J., Ćuk, M.: 1995, *Stark parameter regularities within spectral series of several multicharged ions*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 79.
  7. Rauch, T., Koeppen, J., Werner, K.: 1996, *Spectral analysis of the multiple-shell planetary nebula LoTr4 and its very hot hydrogen-deficient central star*, Astron. Astrophys. **310**, 613.
  8. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.

9. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
10. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
11. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
12. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.
13. Purić, J. Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, *Astrophys. J.* **521**, 490.
14. Djenize, S.: 1999, *Measured, calculated and estimated Stark width of the 381.135 nm O VI spectral line*, *J. Res. Phys.* **28**, 231.
15. Werner, K., Wolf, B.: 1999, *The EUV spectrum of the unique bare stellar core H1504+65*, *Astron. Astrophys.* **347**, L9.
16. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, Proc. XXIV Int. Conf. Phen. Ioniz. Gases, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
17. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
18. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, *Plasma Source Sci. Technol.* **10**, 356.
19. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.

- 102. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Bull. Obs. Astron. Belgrade 145, 65 [E 20].**
1. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
  2. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
- 103. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Bull. Obs. Astron. Belgrade 146, 97 [E 23].**
1. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
- 104. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Bull. Obs. Astron. Belgrade 146, 105 [E 24].**
1. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
  2. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
- 105. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Bull. Obs. Astron. Belgrade 146, 73 [E 25].**
1. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.

- 106. M. S. Dimitrijević, S. Sahal-Bréchet: 1992, Bull. Obs. Astron. Belgrade 146, 83 [E 26].**
1. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of  $ns - n'p$  and  $np - n's$  transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
- 107. A. A. Mihajlov, N. N. Ljepojević, M. S. Dimitrijević: 1992, J. Phys. B 25, 5121 [A 66].**
1. Djurić, Z., Mihajlov, A. A.: 2001, *The influence of chemi-recombination and chemi-ionization processes on kinetics of non-equilibrium helium plasma*, JQSRT **70**, 285.
- 108. M. S. Dimitrijević, S. Sahal-Bréchet: 1993, J. Quant. Spectrosc. Radiative Transfer 49, 157 [A 67].**
1. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  2. Purić, J. Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
  3. Ryabchikova, T. A., Malanushenko, V. P., Adelman, S. J.: 1999, *Orbital elements and abundance analyses of the double-lined spectroscopic binary alpha Andromedae*, Astron. Astrophys. **351**, 963.
  4. Bikmaev, I. F., Ryabchikova, T. A., Bruntt, H., Musaev, F. A., Mashonkina, L. I., Belyakova, E. V., Shimansky, V. V., Barklem, P. S., Galazutdinov, G.: 2002, *Abundance analysis of two late A-type stars HD 32115 and HD 37594*, Astron. Astrophys. **389**, 537.
- 109. M. S. Dimitrijević, S. Sahal-Bréchet: 1993, Astron. Astrophys. Suppl. Series 100, 91 [A 68].**
1. Purić, J., Ćuk, M.: 1995, *Stark parameter regularities within spectral series of several multicharged ions*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 79.
  2. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the  $ns-n'p$  and  $np-n's$  transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
- 110. A. A. Mihajlov, A. M. Ermolaev, M. S. Dimitrijević: 1993, JQSRT 50, 227 [A 69].**
1. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
  2. Hammer, D., Frommhold, L.: 2001, *Topical review - Sonoluminescence: how bubbles glow*, Journal of Modern Optics **48**, 239.



- 111. A. A. Mihajlov, M. S. Dimitrijević, Lj. M. Ignjatović: 1993, *Astron. Astrophys.* **276**, 187 [A 71].**
1. Ignjatović, Lj. M., Mihajlov, A. A.: 1998, *UV Emission/absorption in  $H + A^+$  and  $H^+ + A$  ion-atom collisions*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 163
- 112. M. S. Dimitrijević: 1993, *Astron. Astrophys. Suppl. Series* **100**, 237 [A 72].**
1. Purić, J., Šćepanović, M., Ćuk, M.: 1997, *Stark widths predictions from regularities for some multiply charged ion off resonance lines*, Физика плазмы и плазменные технологии, Материалы конференции, Минск 1997, Том 2, 320.
  2. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  3. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.
  4. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, *Astrophys. J.* **521**, 490.
  5. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, Proc. XXIV Int. Conf. Phen. Ioniz. Gases, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
- 113. L. Č. Popović, I. Vince, M. S. Dimitrijević: 1993, *Astron. Astrophys. Suppl. Series* **102**, 17 [A 73].**
1. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  2. J. Purić, M. Šćepanović, *General Regularities of Stark Parameters for Ion Lines*, *Astrophys. J.* **521**, 490.
  3. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.
- 114. M. S. Dimitrijević, S. Sahal-Bréchet: 1993, *Astron. Astrophys. Suppl. Series* **99**, 585 [A 74].**
1. Heading, D. J., Bennett, G. R., Wark, J. S., Lee, R. W.: 1994, *Novel plasma source for dense plasma effects*, *Phys. Rev. Lett.* **74**, 3616.

2. Chan, L. Y., Mostovych, A. N., Kearney, K. J.: 1995, *Stark-Broadening Measurements of Al(III) Doublet Lines in Dense and Optically-Thin Laser Plasmas*, JQSRT **55**, 815.
  3. Heading, D. J., Wark, J. S., Bennett, G. R., Lee, R. W.: 1995, *Simulations of spectra from dense aluminium plasmas*, JQSRT **54**, 167.
  4. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  5. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
- 115. M. S. Dimitrijević: 1993, Astrophys. Lett. and Communications 28, 385 [A 75].**
1. Purić, J., Šćepanović, M., Ćuk, M.: 1997, *Stark widths predictions from regularities for some multiply charged ion off resonance lines*, Физика плазмы и плазменные технологии, Материалы конференции, Минск 1997, Том 2, 320.
- 116. M. S. Dimitrijević: 1993, Astrophys. Lett. and Communications 28, 381 [A 76].**
1. Bohlender, D. A., Dworetzky, M. M., Jomaron, C. M.: 1998, *Isotopic anomalies of platinum in the mercury manganese star HR-7775*, Astrophys. J. **504**, 533.
  2. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  3. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
- 117. M. S. Dimitrijević, S. Sahal-Bréchet: 1993, Astron. Astrophys. Suppl. Series 101, 587 [A 77].**
1. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
  2. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  3. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.

4. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, *Astrophys. J.* **521**, 490.
  5. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, *Proc. XXIV Int. Conf. Phen. Ioniz. Gases*, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
  6. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
  7. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.
- 118. M. S. Dimitrijević, N. Ben Nessib, Z. Ben Lakhdar: 1993, in Spectral Line Shapes 7, 533 [D 24].**
1. Ben Nessib, N.: 2003, *Line broadening research in Tunisia: history, present state and international collaboration*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, *Publ. Astron. Obs. Belgrade* **76**, 11.
- 119. M. S. Dimitrijević, S. Sahal-Brechot: 1993, Bull. Astron. Belgrade, 148, 29 [E 29].**
1. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.
- 120. M. S. Dimitrijević, Z. Djurić, A. A. Mihajlov: 1994, J. Phys. D 27, 247 [A 81].**
1. Heading, D. J., Benett, G. R., Wark, J. S., Lee, R. W.: 1994, *Novel plasma source for dense plasma effects*, *Phys. Rev. Lett.* **74**, 3616.
  2. Chan, L. Y., Mostovych, A. N., Kearney, K. J.: 1995, *Stark-Broadening Measurements of Al(III) Doublet Lines in Dense and Optically-Thin Laser Plasmas*, *JQSRT* **55**, 815.
  3. Heading, D. J., Wark, J. S., Bennett, G. R., Lee, R. W.: 1995, *Simulations of spectra from dense aluminium plasmas*, *JQSRT* **54**, 167.
  4. Heading, D. J., Wark, J. S., Lee, R. W., Stamm, R., Talin, B.: 1997, *Comparison of the Semiclassical and Modified Semiempirical Method of Spectral Calculation*, *Phys. Rev. E* **56**, 936.

5. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.
  6. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  7. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, *Astrophys. J.* **521**, 490.
  8. Jaehoon Kim, Dong-Eon Kim: 2002, *Measurement of the degree of polarization of the spectra from laser produced recombining Al Plasmas*, *Physical Review E* **66**, 017401.
  9. Jaehoon Kim, Dong-Eon Kim: 2002, *Measurement of the degree of polarization of the spectra from laser-produced Al plasma*, *Applied Surface Science* **197-198**, 188.
  10. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.
- 121. M. S. Dimitrijević, S. Sahal-Bréchet: 1994, *Astron. Astrophys. Suppl. Series* 105, 245 [A 83].**
1. Sarandaev, E. V., Salakhov, M. Kh.: 1996, *Regularities in the Stark widths and shifts of spectral lines of singly - ionized aluminium*, *JQSRT* **56**, 399.
  2. Sarandaev, E. V., Salakhov, M. K.: 1996, *Regularities for Stark Widths of Spectral-Lines of Singly Ionized Aluminum*, *Optika i Spektroskopiya* **81**, 33.
  3. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
  4. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark parameters of spectral lines of neutral magnesium*, *J. Quant. Spectrosc. Radiat. Transfer* **64**, 41.

- 122. Mihajlov, A. A., Dimitrijević, M. S., Ignjatović, Lj. M.: 1994, *Astron. Astrophys.* **287**, 1026 [A 85].**
1. Mihajlov, A. A., Ermolaev, A. M., Vasiljević, M.: 1997, *UV and VUV emission in symmetrical ion-atom collisions*, XX Int. Conf. on The Physics of Electronic and Atomic Collisions, Vienna, 1997, FR017.
  2. Mihajlov, A. A., Ermolaev, A. M.: 1998, *Radiation charge exchange with the symmetrical ion-atom collisions as a source of the EM short wave emission*, IV Съезд Астрономического общества, Труды, Государственный Астрономический институт им П. К. Штернберга, Московский Государственный университет им М. В. Ломоносова, Москва 1998, 41.
- 123. M. S. Dimitrijević, S. Sahal-Bréchet: 1994, *Astron. Astrophys. Suppl. Series* **107**, 349 [A 86].**
1. Glenzer, S.: 1995, *Line broadening of nonhydrogenic ions in plasmas*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 134.
  2. Schoening, T.: 1995, *Line Broadening in Hot Stellar Atmospheres*, in White Dwarfs, eds. D. Koester, K. Werner, Springer Verlag, Berlin-Heidelberg, 113.
  3. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, *Astron. Astrophys. Transactions* **12**, 85.
  4. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
- 124. B. Blagojević, M. V. Popović, N. Konjević, M. S. Dimitrijević: 1994, *Phys. Rev. E* **50**, 2986 [A 87].**
1. Glenzer, S.: 1995, *Line broadening of nonhydrogenic ions in plasmas*, in Spectral Line Shapes 8, eds. A. D. May, J. R. Drummond, E. Oks, AIP Conf. Proc. **328**, American Institute of Physics, New York, 134.
  2. Glenzer, S., Kunze, H. J.: 1996, *Stark-Broadening of Resonance Transitions in B-III*, *Phys. Rev. A* **53**, 2225.
  3. Blagojević, B., Popović, M. V., Pavlović, Z.: 1997, *Spectroscopic diagnostics of high current pulse discharge in the helium-nitrogen and helium-oxygen gas mixtures*, Физика плазмы и плазменные технологии, Материалы конференции, Минск 1997, Том 2, 348.
  4. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.

5. Blagojević, B., Popović, M. V., Konjević, N.: 1998, *Systematic Experimental Study of the Stark Broadening of C II, C III, N II, N III, O II and O III Spectral Lines*, 14th Int. Conf. on Spectral Line Shapes, State College, Pennsylvania, 1998, Penn State University Park, 44.
6. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
7. Blagojević, B., Popović, M. V., Konjević, N.: 1999, *Stark Broadening of Spectral Lines of Singly Ionized C, N, O, F and Ne*, Physica Scripta **59**, 374.
8. Blagojević, B., Popović, M. V., Konjević, N.: 1999, *Systematic Experimental Study of the Stark Broadening of C II, C III, N II, N III, O II and O III Spectral Lines*, in Spectral Line Shapes **10**, 14th ICSSL, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 189.
9. Griem, H. R.: 1999, *Review of Plasma Broadening of Spectral Lines from Multiply Ionized Non-Hydrogenic Atoms*, in Spectral Line Shapes **10**, 14th ICSSL, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 3.
10. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
11. Purić, J., Šćepanović, M.: 1999 *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
12. Blagojević, B., Popović, M. V., Konjević, N.: 2000, *Stark Shifting of Analogous Spectral Lines along Isoelectronic Sequences of Beryllium and Boron*, 15th Int. Conference on Spectral Line Shapes, Berlin, 10-14 July 2000, Physikalische-Technische Bundesanstalt, Braunschweig und Berlin, 30.
13. Šćepanović, M., Purić, J.: 2000, *Stark widths dependence on the upper level ionisation potential and the rest core charge of the emitter within 3s-3p and 3p-3d transition arrays*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 301.
14. Blagojević, M., Popović, M. V., Konjević, N., Dimitrijević, M. S.: 2001, *Stark shifting of analogous spectral lines along isoelectronic sequences of beryllium and boron*, Physica Scripta **64**, 448.
15. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.

16. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
17. Wiese, W. L., Fuhr, J. R., Lesage, A., Konjević, N.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, Spectral Line Shapes **12**, 6th International Conference of Spectral Line Shapes, Berkley, California, ed. C. A. Back, AIP Conference proceedings, **645**, 106.
18. Djeniže, S., Srećković, A., Bukvić, S., Kalezić, S.: 2003, *Measured Stark widths and shifts in the O IV spectrum*, Serb. Astron. J. **166**, 51.
19. Šćepanović, M., Purić, J.: 2003, *Stark widths dependence on the upper level ionization potential and the rest core charge of the emitter within 3s-3p and 3p-3d transition arrays*, J. Quant. Spectrosc. Radiat. Transfer **78**, 197.
- 125. M. S. Dimitrijević, S. Sahal-Bréchet: 1994, Bull. Astron. Belgrade 149, 31 [E 31].**
  1. Bayazitov, U. Sh., Saghidulin, I. Kh.: 1996, *The Stark broadening's influence stellar Mg I, Mg II lines intensities*, 10th General Conf. of the European Physical Society, Trends in Physics, Sevilla, 289.
  2. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark parameters of spectral lines of neutral magnesium*, J. Quant. Spectrosc. Radiat. Transfer **64**, 41.
  3. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
- 126. M. S. Dimitrijević, S. Sahal-Bréchet: 1994, Bull. Astron. Belgrade 150, 95 [E 33].**
  1. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
  2. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
  3. Djeniže, S., Srećković, A., Bukvić, S., Kalezić, S.: 2003, *Measured Stark widths and shifts in the O IV spectrum*, Serb. Astron. J. **166**, 51.
- 127. M. S. Dimitrijević, P. V. Grujić, N. Simonović: 1994, J. Phys. B 27, 5717 [A 88].**
  1. Grujić, P. V.: 1997, *Some Recent Advances in the Near-Threshold Ionization Theory*, Comments on Atomic and Molecular Physics **33**, 351.
  2. Ihra, W., Mota-Furtado, F., O'Mahony, P. F.: 1997, *3-Particle Breakup Near-Threshold When the Wannier Exponent Diverges*, Phys. Rev. A **55**, 4263.
  3. Chocian, P., Ihra, W., O'Mahony, P. F.: 1998, *Semiclassical Threshold Law When the Wannier Exponent Diverges*, Physical Review A **57**, 3583.

4. Kuchiev, M. Y., Ostrovsky, V. N.: 1998, *Threshold Laws for the Breakup of Atomic Particles into Several Charged Fragments*, Physical Review A **58**, 321.
  5. Friedrich, H., Ihra, W., Meerwald, P.: 1999, *Threshold behavior of (e,2e) reactions classical and quantum mechanics*, Australian J. Phys. **52**, 323.
  6. Chocian, P., Ihra, W., O'Mahony, P. F.: 2000, *Wannier threshold law and the classical-quantum correspondence in three-body Coulomb breakup*, Physical Review A **62**, 014704.
  7. Chocian, P., Ihra, W., O'Mahony, P. F.: 2000, *Classical and Quantum Threshold Laws in 3-Body Coulomb Breakup*, Physics Essays **57**, 394.
  8. Uptal Roy, Roy, K., Sil, N. C.: 2000 *Threshold Limit of Electron and Positron Impact Ionization of Hydrogen Atom in the Effective Charge Model*, Physica Scripta **62**, 310.
- 128. M. S. Dimitrijević, S. Sahal-Bréchet: 1995, Astron. Astrophys. Suppl. Series 109, 551 [A 89].**
1. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
  2. Djenize, S., Bukvić, S., Srećković, A., Kalezić, S.: 2003, *Experimental transition probabilities and Stark shifts in O III and O IV spectra*, Astron. Astrophys. **406**, 759.
  3. Djenize, S., Srećković, A., Bukvić, S., Kalezić, S.: 2003, *Measured Stark widths and shifts in the O IV spectrum*, Serb. Astron. J. **166**, 51.
- 129. M. S. Dimitrijević: 1995, Astron. Astrophys. Suppl. Series 111, 565 [A 90].**
1. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
  2. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2003, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 130. A. M. Ermolaev, A. A., Mihajlov, Lj. M, Ignjatović, M. S., Dimitrijević: 1995, J. Phys. D 28, 1047 [A 91].**
1. Mihajlov, A. A., Ermolaev, A. M., Vasiljević, M.: 1997, *UV and VUV emission in symmetrical ion-atom collisions*, XX Int. Conf. on The Physics of Electronic and Atomic Collisions, Vienna, 1997, FR017.
- 131. M. S. Dimitrijević, S. Sahal-Bréchet: 1995, Physica Scripta 52, 41 [A 92].**
1. Ben Nessib, N., Ben Lakhdar, Z., Sahal-Bréchet, S.: 1996, *Stark-Broadening of Neutral Oxygen Lines in the Impact and Quasi-Static Approximations*, Physica Scripta **54**, 608.
  2. Ben Nessib, N., Ben Lakhdar, Z., Sahal-Bréchet, S.: 1997, *Semiclassical Stark Broadening Calculations of Neutral Oxygen Lines*, Spectral Line Shapes **9**, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. **386**, 117.



3. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark parameters of spectral lines of neutral magnesium*, J. Quant. Spectrosc. Radiat. Transfer **64**, 41.
  4. Ivković, I., Ben Nessib, N., Konjević, N.: 2002, *Stark broadening of  $3p^3D - 3d^3F^o$  transitions along carbon isoelectronic sequence of ions*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 294.
- 132. M. S. Dimitrijević: 1995, Astron. Astrophys. Suppl. Series 114, 171 [A 93].**
1. Golovatyj, V. V., Sapar, A., Feklistova, T., Kholtygin, A. F.: 1997, *Catalogue of Atomic Data for Low-Density Astrophysical Plasma*, Astron. Astrophys. Transactions **12**, 85.
  2. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 133. M. S. Dimitrijević, S. Sahal-Bréchet: 1995, Bull. Astron. Belgrade 151, 101 [E 35].**
1. Bayazitov, U. Sh., Saghidulin, I. Kh.: 1996, *The Stark broadening's influence stellar Mg I, Mg II lines intensities*, 10th General Conf. of the European Physical Society, Trends in Physics, Sevilla, 1996, 289.
  2. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 134. M. S. Dimitrijević: 1995, Publ. Obs. Astron. Belgrade 48, 127 [Γ 5].**
1. Lesage, A., Konjević, N., Fuhr, J. R.: 1999, *Progress in Spectral Line Shapes and Shifts Evaluation of Experimental Stark Broadening Parameters*, in Spectral Line Shapes **10**, 14th ICSLS, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 27.
- 135. M. S. Dimitrijević, S. Sahal-Bréchet: 1995, Publ. Astron. Obs. Belgrade 50, 51 [II 35].**
1. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 1998, *Regularities in the behaviour of the Stark widths of spectral lines of the ns-n'p and np-n's transitions for ions with different multiplicities of ionization*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 365.

- 136. A. A. Mihajlov, Z. Djurić, M. S. Dimitrijević: 1996, JQSRT 55, 141 [A 94].**
1. Djurić, Z., Mihajlov, A. A.: 2001, *The influence of chemi-recombination and chemi-ionization processes on kinetics of non-equilibrium helium plasma*, JQSRT **70**, 285.
- 137. A. A. Mihajlov, M. S. Dimitrijević, Lj. M. Ignjatović, Z. Djurić: 1995, Astrophys. J. 454, 420 [A 95].**
1. Mihajlov, A. A., Ermolaev, A. M., Vasiljević, M.: 1997, *UV and VUV emission in symmetrical ion-atom collisions*, XX Int. Conf. on The Physics of Electronic and Atomic Collisions, Vienna, 1997, FR017.
  2. Ignjatović, Lj. M., Mihajlov, A. A.: 1998, *UV Emission/absorption in  $H + A^+$  and  $H^+ + A$  ion-atom collisions*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 163.
  3. Mihajlov, A. A., Ermolaev, A. M.: 1998, *Radiation charge exchange with the symmetrical ion-atom collisions as a source of the EM short wave emission*, IV Съезд Астрономического общества, Труды, Государственный Астрономический институт им П. К. Штернберга, Московский Государственный университет им М. В. Ломоносова, Москва 1998, 41.
- 138. M. S. Dimitrijević, S. Sahal-Bréchet: 1996, Astron. Astrophys. Suppl. Series 115, 351 [A 96].**
1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 139. A. A. Mihajlov, M. S. Dimitrijević, Z. Djurić: 1996, Physica Scripta 53, 159 [A 97].**
1. Schultz, D. R., Stancil, P. C.: 2000, *Collision processes*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 392.
  2. Djurić, Z., Mihajlov, A. A.: 2001, *The influence of chemi-recombination and chemi-ionization processes on kinetics of non-equilibrium helium plasma*, JQSRT **70**, 285.
- 140. L. Č. Popović, M. S. Dimitrijević: 1996, Physica Scripta 53, 325 [A 98].**
1. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  2. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.
  3. Colon, C., Alonso-Medina, A.: 2002, *Stark broadening parameters prediction and regularities of singly ionized lead*, J. Phys. B **35**, 1143.

- 141. L. Č. Popović, M. S. Dimitrijević: 1996, *Astron. Astrophys. Suppl. Series* 116, 359 [A 99].**
1. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, *Physics Reports* **316**, 339.
  2. Stehle, C., Peach, G.: 2000, *Line broadening*, *Reports on Astronomy*, ed. J. Andersen, *Transactions of the International Astronomical Union XXIVA*, *Astronomical Society of the Pacific*, 401.
- 142. M. S. Dimitrijević, S. Djenize, A. Srećković, M. Platiša: 1996, *Physica Scripta* 53, 545 [A 100].**
1. Djenize, S., Bukvić, S., Srećković, A., Platiša, M.: 1996, *Stark widths of doubly ionized argon spectral lines*, *J. Phys. B* **29**, 429.
  2. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, *Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998*, eds. M. S. Dimitrijević, V. S. Burakov, *Publ. Astron. Obs. Belgrade* **61**, 151.
  3. Djenize, S.: 1999, *On the Stark width regularities in the doubly ionized sulfur spectrum*, *Proc. XII Nat. Conf. Yug. Astron. and Int. Workshop on the Development of Astronomical Databases*, eds. L. Č. Popović, M. Dačić, *Publ. Astron. Obs. Belgrade* **65**, 63.
  4. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, *Astrophys. J.* **521**, 490.
  5. Djenize, S.: 2000, *On the Stark Width Regularities in Doubly Ionized Spectra*, *Physica Scripta* **61**, 412.
  6. Djenize, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Measured Stark widths of prominent S IV spectral lines*, *21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports*, eds. M. K. Radović, M. S. Jovanović, *Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia*, 344.
  7. Djenize, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Experimental Stark widths and shifts of triply ionized sulfur spectral lines*, *Astron. Astrophysics* **389**, 1086.
  8. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.
- 143. M. S. Dimitrijević, S. Sahal-Bréchet: 1996, *Astron. Astrophys. Suppl. Series* 117, 127 [A 101].**
1. Barklem, P. S., Omara, B. J., Ross, J. E.: 1998, *The Broadening of d-f and f-d Transitions by Collisions with Neutral Hydrogen-Atoms*, *Monthly Notices of the Royal Astronomical Society* **296**, 1057.
  2. Zhao, G., Butler, K., Gehren, T.: 1998, *Non-LTE Analysis of Neutral Magnesium in the Solar Atmosphere*, *Astronomy and Astrophysics* **333**, 219.

3. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark parameters of spectral lines of neutral magnesium*, J. Quant. Spectrosc. Radiat. Transfer **64**, 41.
  4. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
  5. Przybilla, N., Butler, K., Becker, S. R., Kudritzki, R. P.: 2001, *Non-LTE line formation for Mg III: Abundances and stellar parameters; Model atom and first results on A-type stars*, Astron. Astrophys. **369**, 1009.
- 144. B. Blagojević, M. V. Popović, N. Konjević, M. S. Dimitrijević: 1996, XVIII Symp. Phys. Ioniz. Gases, Kotor, 259 [3 127].**
1. Milosavljević, V., Djenize, S.: 1998, *Stark widths of the N V and O V spectral lines*, Proc. 4th Yugoslav - Romanian Astronomical Meeting, eds. M. S. Dimitrijević, L. Č. Popović, Publ. Obs. Astron. Belgrade **60**, 55.
  2. Djenize, S., Platiša, M., Srećković, A.: 1998, *Measured, calculated and estimated Stark width values*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 397.
  3. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
  4. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2001, *Stark width of spectral lines dependence for the ns - n'p and np - n's transitions of Li-like ions*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 132.
- 145. M. S. Dimitrijević, S. Sahal-Bréchet: 1996, Physica Scripta **54**, 50 [A 102].**
1. Purić, J., Šćepanović, M.: 1998, *Stark parameter general regularities for the ion lines*, Proc. II Yugoslav - Belarussian Symposium on Physics & Diagnostics of Laboratory & Astrophysical Plasmas, Zlatibor 1998, eds. M. S. Dimitrijević, V. S. Burakov, Publ. Astron. Obs. Belgrade **61**, 151.
  2. Purić, J., Šćepanović, M.: 1998, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, 19th SPIG Zlatibor 1998, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 369.
  3. Purić, J., Šćepanović, M.: 1999, *General Regularities of Stark Parameters for Ion Lines*, Astrophys. J. **521**, 490.

4. Purić, J., Šćepanović, M.: 1999, *Stark parameter dependence on the emitter rest core charge within isoelectronic sequences*, Proc. XXIV Int. Conf. Phen. Ioniz. Gases, eds. P. Pisarczyk, T. Pisarczyk, J. Wolowski, Vol. II, Warsaw, 51.
5. Colon, C., Alonso-Medina, A.: 2002, *Stark broadening parameters prediction and regularities of singly ionized lead*, J. Phys. B **35**, 1143.
- 146. B. Blagojević, M. V. Popović, N. Konjević, M. S. Dimitrijević: 1996, Phys. Rev.E 54, 743 [A 103].**
  1. Alexiou, S., Calisti, A., Gauthier, P., Klein, L., Leboucher-Dalimier, E., Lee, R. W., Stamm, R., Talin, B.: 1997, *Aspects of plasma spectroscopy: Recent advances*, J. Quant. Spectrosc. Radiative Transfer **58**, 399.
  2. Griem, H. R.: 1997, *Principles of Plasma Spectroscopy*, Cambridge Monographs of Plasma Physics 2, Cambridge University Press.
  3. Blagojević, B., Popović, M. V., Konjević, N.: 1998, *Systematic Experimental Study of the Stark Broadening of C II, C III, N II, N III, O II and O III Spectral Lines*, 14th Int. Conf. on Spectral Line Shapes, State College, Pennsylvania, 1998, Penn State University Park, 44.
  4. Djenize, S., Milosavljević, V.: 1998, *Measured Stark widths and shifts of several N III spectral lines: Temperature dependence*, Astron. Astrophys. Suppl. Series **131**, 355.
  5. Blagojević, B., Popović, M. V., Konjević, N.: 1999, *Stark Broadening of Spectral Lines of Singly Ionized C, N, O, F and Ne*, Physica Scripta **59**, 374.
  6. Blagojević, B., Popović, M. V., Konjević, N.: 1999, *Systematic Experimental Study of the Stark Broadening of C II, C III, N II, N III, O II and O III Spectral Lines*, In Spectral Line Shapes **10**, 14th ICSSL, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 189.
  7. Griem, H. R.: 1999, *Review of Plasma Broadening of Spectral Lines from Multiply Ionized Non-Hydrogenic Atoms*, in Spectral Line Shapes **10**, 14th ICSSL, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 3.
  8. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  9. Blagojević, B., Popović, M. V., Konjević, N.: 2000, *Stark Shifting of Analogous Spectral Lines along Isoelectronic Sequences of Beryllium and Boron*, 15th Int. Conference on Spectral Line Shapes, Berlin, 10-14 July 2000, Physikalische-Technische Bundesanstalt, Braunschweig und Berlin, 30.
  10. Blagojević, B., Popović, M. V., Konjević, N.: 2000, *Stark line broadening of 3s-3p and 3p-3d transitions of doubly ionized C, N, O, F and Ne*, J. Quant. Spectrosc. Radiative Transfer **67**, 9.
  11. Šćepanović, M., Purić, J.: 2000, *Stark widths dependence on the upper level ionisation potential and the rest core charge of the emitter within 3s-3p*

- and 3p-3d transition arrays*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 301.
12. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
  13. Blagojević, M., Popović, M. V., Konjević, N., Dimitrijević, M. S.: 2001, *Stark shifting of analogous spectral lines along isoelectronic sequences of beryllium and boron*, Physica Scripta **64**, 448.
  14. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
  15. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
  16. Djeniže, S., Srećković, A., Bukvić, S., Kalezić, S.: 2003, *Measured Stark widths and shifts in the O IV spectrum*, Serb. Astron. J. **166**, 51.
  17. Šćepanović, M., Purić, J.: 2003, *Stark widths dependence on the upper level ionization potential and the rest core charge of the emitter within 3s-3p and 3p-3d transition arrays*, J. Quant. Spectrosc. Radiat. Transfer **78**, 197.
- 147. M. S. Dimitrijević: 1996, Zh. Prikl. Spektrosk. 63, 810 [B 8].**
1. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  2. Milosavljević, V., Konjević, R., Djeniže, S.: 1999, *Temperature dependence of Stark width of the 463.054 nm N II spectral line*, Astron. Astrophys. Suppl. Series **135**, 565.
  3. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions for a series of neutral atoms*, J. Quant. Spectrosc. Radiat. Transfer **67**, 105.
  4. Djeniže, S., Srećković, A., Kalezić, S.: 2001, *Measured, calculated and predicted Stark widths along a beryllium isoelectronic sequence in the 3s-3p transition*, Serb. Astron. J. **164**, 21.
  5. Konjević, N., Fuhr, J. R., Wiese, W. L.: 2001, *Plasma Broadening and Shift of Non-Hydrogenic Spectral Lines: An Overview of Recent Results*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 117.
- 148. M. S. Dimitrijević, S. Sahal-Bréchet: 1996, Bull. Obs. Astron. Belgrade 153, 89 [E 38].**
1. Sarandaev, E. V., Konovalova, O. A., Salakhov, M. Kh.: 2000, *Regularities in the Stark widths of spectral lines of ns - n'p and np - n's transitions*

for a series of neutral atoms, *J. Quant. Spectrosc. Radiat. Transfer* **67**, 105.

**149. M. S. Dimitrijević, S. Sahal-Bréchet: 1996, *Astron. Astrophys. Suppl. Series* **119**, 369 [A 106].**

1. Griem, H. R., Ralchenko, Y. V., Bray, I.: 1997, *Stark-Broadening of the B-III 2S-2P Lines*, *Physical Review E* **56**, 7186.
2. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, *Physics Reports* **316**, 339.
3. Konovalova, O. A., Sarandaev, E. V., Salakhov, M. Kh.: 2000, *Regularities in behavior of the Stark width of the spectral lines of the ns - n'p and np - n's transitions for Li-like ions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 305.
4. Stehle, C., Peach, G.: 2000, *Line broadening*, *Reports on Astronomy*, ed. J. Andersen, *Transactions of the International Astronomical Union XXIVA*, *Astronomical Society of the Pacific*, 401.
5. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, *J. Phys. Chem. Ref. Data* **31**, 819.

**150. M. S. Dimitrijević, S., Sahal-Bréchet: 1996, *Astron. Astrophys. Suppl. Series* **119**, 529 [A 107].**

1. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, *Physics Reports* **316**, 339.
2. Stehle, C., Peach, G.: 2000, *Line broadening*, *Reports on Astronomy*, ed. J. Andersen, *Transactions of the International Astronomical Union XXIVA*, *Astronomical Society of the Pacific*, 401.
3. Christou, C., Garg, A., Barber, Z. H.: 2001, *Vapor - phase oxidation during pulsed laser deposition of SrBi<sub>2</sub>Ta<sub>2</sub>O<sub>9</sub>*, *Journal of Vacuum Science Technology A* **19**, 2061.
4. Barber, Z. H., Christou, C., Chiu, K. -F., Garg, A.: 2003, *The measurement and control of ionization of the depositing flux during thin film growth*, *Vacuum*, **69**, 53.

**151. M. S. Dimitrijević, G. G. Il'in, E. V. Sarandaev, M. Kh. Salakhov: 1996, *18 SPIG, Kotor*, 283 [3 129].**

1. Grishina, N. A., Il'in, G. G., Salakhov, M. Kh., Sarandaev, E. V.: 1998, 19th SPIG Zlatibor 1998, *The estimation of Stark broadening parameters for the spectral lines of 4s<sup>2</sup>S-4p<sup>2</sup>P<sup>o</sup> and 4s<sup>2</sup> <sup>2</sup>D-4p<sup>2</sup>P<sup>o</sup> Multiplets of neutral copper atoms*, Contributed papers & Abstracts of invited lectures, topical invited lectures and progress reports, eds. N. Konjević, M. Ćuk, I. R. Videnović, Faculty of Physics, University of Belgrade, Belgrade, 361.

2. Grishina, N. A., Il'in, G. G., Salakhov, M. Kh., Sarandaev, E. V.: 2000, *The estimation of Stark broadening parameters for the spectral lines of  $4s^2S-4p^2P^o$  and  $4s^2D-4p^2P^o$  multiplets of neutral copper atoms with allowance for the back reaction of copper atoms on perturbing electrons in inelastic collisions*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 297.
  3. Il'in, G. G., Salakhov, M. Kh., Sarandaev, E. V.: 2001, *The estimation of Stark broadening parameter of neutral copper atoms resonance spectral lines by the parameters of asymmetric self-reversed profiles*, in *Spectral Line Shapes*, **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 156.
  4. Babina, E. M., Il'in, G. G., Konovalova, O. A., Salakhov, M. Kh., Sarandaev, E. V.: 2003, *The Complete Calculation of Stark Broadening Parameters for the Neutral Copper Atoms Spectral Lines of  $4s2S-4p2Po$  and  $4s2 2D-4p2Po$  Multiplets in the Dipole Approximation*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 163.
  5. Il'in, G. G., Konovalova, O. A., Salakhov, M. Kh., Sarandaev, E. V.: 2003, *The Experimental and Theoretical Investigations of the Asymmetric Self-Reversal of the Neutral Copper Atoms Resonance Spectral Line Cu I 327.936 nm under Conditions of an Impulse Discharge*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 201.
- 152. M. S. Dimitrijević, S. Sahal-Brechot: 1996, 18 SPIG, Kotor, 548 [3 130].**
1. Bikmaev, I. F., Ryabchikova, T. A., Bruntt, H., Musaev, F. A., Mashonkina, L. I., Belyakova, E. V., Shimansky, V. V., Barklem, P. S., Galazutdinov, G.: 2002, *Abundance analysis of two late A-type stars HD 32115 and HD 37594*, *Astron. Astrophys.* **389**, 537.
- 153. B. Blagojević, M. V. Popović, N. Konjević, M. S. Dimitrijević: 1997, in Spectral Line Shapes 9, eds. M. Zoppi, L. Ulivi, AIP Conf. Proc. 386, 143 [D 39].**
1. Griem, H. R.: 1999, *Review of Plasma Broadening of Spectral Lines from Multiply Ionized Non-Hydrogenic Atoms*, in *Spectral Line Shapes 10*, 14th ICSLS, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 3.



- 154. M. S. Dimitrijević, S., Sahal-Bréchet: 1997, Astron. Astrophys. Suppl. Series 122, 163 [A 109].**
1. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  2. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
  3. Ryabchikova, T.: 2003, *Importance of Stark Damping in the Study of Abundance Stratification in Ap Stars*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 105.
- 155. M. S. Dimitrijević, S., Sahal-Bréchet: 1997, Astron. Astrophys. Suppl. Series 122, 533 [A 110].**
1. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  2. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 156. L. Č. Popović, M. S. Dimitrijević: 1997, Bull. Astron. Belgrade 155, 159 [E 45].**
1. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
- 157. M. S. Dimitrijević: 1997, Astrophys. Space Sci. 252, 415 [B 12].**
1. Andrievsky, S. M., Korotin, S. A., Luck, R. E., Kostynchuk, L. Yu.: 1999, *Carbon and nitrogen abundances in early B-stars. I. NLTE calculations for a sample of stars with small  $v \sin i$  values*, Astronomy and Astrophysics **350**, 598.
  2. Korotin, S. A., Andrievsky, S. M., Luck, R. E.: 1999, *Oxygen abundances in early B-stars*, Astronomy and Astrophysics **351**, 168.
  3. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
- 158. A. A. Mihajlov, Lj. M. Ignjatović, M. M. Vasiljević, M. S. Dimitrijević: 1997, Astron. Astrophys. 324, 1206 [A 111].**
1. Djurić, Z., Mihajlov, A. A.: 2001, *The influence of chemi-recombination and chemi-ionization processes on kinetics of non-equilibrium helium plasma*, JQSRT **70**, 285.
  2. Nagesha, K., MacAdam, K. B.: 2003, *Electron Impact Ionization of Sodium Rydberg Atoms below 2 eV*, Phys. Rev. Lett. **91**, 113202.
- 159. A. A. Mihajlov, Z. Djurić, M. S. Dimitrijević, N. N. Ljepojević: 1997, Physica Scripta 56, 631 [A 112].**
1. Denkelmann, R., Maurmann, S., Lokajczyk, T., Drepper, P., Kunze, H. J.: 1999, *Measurement of rate coefficients for electron - atom collisions in a helium plasma by laser - induced fluorescence*, Journal of Physics B **32**, 4635.

2. Djurić, Z., Mihajlov, A. A.: 2001, *The influence of chemi-recombination and chemi-ionization processes on kinetics of non-equilibrium helium plasma*, JQSRT **70**, 285.
- 160. M. S. Dimitrijević, S., Djeniže, A., Srećković, S., Bukvić: 2002, IAU Symp. 210, Modelling of Stellar Atmospheres, Upsala, 59 [B 131].**
  1. Neiner, C., Geers, V. C., Henrichs, H. F., Floquet, M., Fremat, Y., Hubert, A., Preuss, M., Wiersema, K.: 2003, *Discovery of a magnetic field in the Slowly Pulsating B star zeta Cassiopeiae*, Astron. Astrophys. **406**, 1019.
  2. Neiner, C., Hubert, A. M., Fremat, Y., Floquet, M., Jankov, S., Preuss, O., Henrichs, H. F., Zorec, J.: 2003, *Rotation and magnetic field in the B star omega Orionis*, Astron. Astrophys. **409**, 275.
- 161. M. Blagojević, M. V. Popović, N. Konjević, M. S. Dimitrijević: 1998, Proc. 19 SPIG, Zlatibor, 353 [B 152].**
  1. Djeniže, S.: 2000, *On the Stark Width Regularities in Doubly Ionized Spectra*, Physica Scripta **61**, 412.
- 162. L. Č. Popović, M. S. Dimitrijević: 1998, Astron. Astrophys. Suppl. Series 127, 295 [A 113].**
  1. de Castro, A., Aparicio, J. A., del Val, J. A., Gonzalez, V. R., Mar, S.: 2001, *Measurement of Stark broadening and shift constants of singly ionized krypton lines*, J. Phys. B. **34**, 3275.
  2. Flih, S. A., Vitel, Y.: 2002, *Stark broadening of Kr II spectral lines in dense plasmas produced in flashtubes*, Spectral Line Shapes **12**, 6th International Conference of Spectral Line Shapes, Berkley, California, ed. C. A. Back, AIP Conference proceedings **645**, 99.
  3. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
- 163. M. S. Dimitrijević, S., Sahal-Bréchet: 1998, Astron. Astrophys. Suppl. Series 127, 543 [A 114].**
  1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 164. L. Č. Popović, M. S. Dimitrijević: 1998, Astron. Astrophys. Suppl. Series 128, 203 [A 116].**
  1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 165. M. S. Dimitrijević, S., Sahal-Bréchet: 1998, Astron. Astrophys. Suppl. Series 128, 359 [A 117].**
  1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.

- 166. M. S. Dimitrijević, S., Sahal-Bréchet: 1998, Astron. Astrophys. Suppl. Series 129, 155 [A 118].**
1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
  2. Djenize, S., Srećković, A., Kalezić, S.: 2001, *Measured, calculated and predicted Stark widths along a beryllium isoelectronic sequence in the 3s-3p transition*, Serb. Astron. J. **164**, 21.
- 167. M. S. Dimitrijević, S., Sahal-Bréchet: 1998, Astron. Astrophys. Suppl. Series 130, 539 [A 120].**
1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 168. M. S. Dimitrijević, S., Sahal-Bréchet: 1998, Astron. Astrophys. Suppl. Series 131, 141 [A 121].**
1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 169. M. S. Dimitrijević, S., Sahal-Bréchet: 1998, Astron. Astrophys. Suppl. Series 131, 143 [A 122].**
1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 170. M. Blagojević, M. V. Popović, N. Konjević, M. S. Dimitrijević: 1999, JQSRT 61, 361 [A 125].**
1. Blagojević, B., Popović, M. V., Konjević, N.: 1998, *Systematic Experimental Study of the Stark Broadening of C II, C III, N II, N III, O II and O III Spectral Lines*, 14th Int. Conf. on Spectral Line Shapes, State College, Pennsylvania, 1998, Penn State University Park, 44.
  2. Blagojević, B., Popović, M. V., Konjević, N.: 1999, *Systematic Experimental Study of the Stark Broadening of C II, C III, N II, N III, O II and O III Spectral Lines*, in Spectral Line Shapes **10**, 14th ICSLS, State College, Pennsylvania, June 1998, ed. R. M. Herman, AIP Conference Proceedings **467**, American Institute of Physics, Woodbury, New York, 189.
  3. Djenize, S.: 1999, *Measured, calculated and estimated Stark widths of the 580.133 nm and 581.198 nm C IV spectral lines*, Proc. XII Nat. Conf. Yug. Astron. and Int. Workshop on the Development of Astronomical Databases, eds. L. Č. Popović, M. Dačić, Publ. Astron. Obs. Belgrade **65**, 59.
  4. Konjević, N.: 1999, *Plasma broadening and shifting of non-hydrogenic spectral lines: Present status and applications*, Physics Reports **316**, 339.
  5. Blagojević, B., Popović, M. V., Konjević, N.: 2000, *Stark Shifting of Analogous Spectral Lines along Isoelectronic Sequences of Beryllium and Boron*, 15th Int. Conference on Spectral Line Shapes, Berlin, 10-14 July 2000, Physikalische-Technische Bundesanstalt, Braunschweig und Berlin,

6. Blagojević, B., Popović, M. V., Konjević, N.: 2000, *Stark line broadening of 3s-3p and 3p-3d transitions of doubly ionized C, N, O, F and Ne*, J. Quant. Spectrosc. Radiative Transfer **67**, 9.
7. Šćepanović, M., Purić, J.: 2000, *Stark widths dependence on the upper level ionisation potential and the rest core charge of the emitter within 3s-3p and 3p-3d transition arrays*, 20th Summer School and International Symposium on the Physics of Ionized Gases, 20th SPIG, September 4-8, 2000, Zlatibor, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. Z. Lj. Petrović, M. M. Kuraica, N. Bibić, G. Malović, Institute of Physics, Faculty of Physics, University of Belgrade, Institute of Nuclear Sciences "Vinča", Belgrade, Yugoslavia, 301.
8. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2000, *Experimental Stark width of the 581.198 nm C IV spectral lines*, Proceedings of the second Serbian-Bulgarian Astronomical Meeting, June 23-26, 2000, Zaječar, Serbia, eds. M. S. Dimitrijević, L. Č. Popović, M. Tsvetkov, Publ. Astron. Obs. Belgrade **67**, 115.
9. Srećković, A., Drinčić, V., Bukvić, S., Djeniže, S.: 2000, *Stark broadening parameters in C II, C III and C IV spectra*, J. Phys. B **33**, 4873.
10. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
11. Blagojević, M., Popović, M. V., Konjević, N.: 2001, *Stark shifting of analogous spectral lines along isoelectronic sequences of beryllium and boron*, Physica Scripta **64**, 448.
12. Blagojević, M., Popović, M. V., Konjević, N.: 2001, *Experimental Study of LS Coupling Along Isoelectronic Sequences*, Physica Scripta **64**, 448.
13. Konjević, N.: 2001, *On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics*, Plasma Source Sci. Technol. **10**, 356.
14. Konjević, N., Fuhr, J. R., Wiese, W. L.: 2001, *Plasma Broadening and Shift of Non-Hydrogenic Spectral Lines: An Overview of Recent Results*, in Spectral Line Shapes **11**, ed. J. Seidel, American Institute of Physics Conference Proceedings **559**, 117.
15. Ralchenko, Yu. V., Griem, H. R., Bray, I., Fursa, D. V.: 2001, *Electron collisional broadening of 2s3s-2p3p lines in Be-like ions*, J. Quant. Spectrosc. Radiat. Transfer **71**, 595.
16. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
17. Wiese, W. L., Fuhr, J. R., Lesage, A., Konjević, N.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, Spectral Line Shapes **12**, 6th International Conference of Spectral Line

- Shapes, Berkley, California, ed. C. A. Back, AIP Conference proceedings **645**, 106.
18. Hegazy, H., Seidel, S., Wrubel, Th., Kunze, H. J.: 2003, *Broadening of the 3s-3p transition in Ne VIII*, J. Quant. Spectrosc. Radiat. Transfer **81**, 221.
  19. Ralchenko, Yu. V., Griem, H. R., Bray, I.: 2003, *Electron-impact broadening of the 3s-3p lines in low-Z Li-like ions*, J. Quant. Spectrosc. Radiat. Transfer **81**, 371.
  20. Šćepanović, M., Purić, J.: 2003, *Stark widths dependence on the upper level ionization potential and the rest core charge of the emitter within 3s-3p and 3p-3d transition arrays*, J. Quant. Spectrosc. Radiat. Transfer **78**, 197.
- 171. M. S. Dimitrijević, S., Sahal-Bréchet: 1998, Astron. Astrophys. Suppl. Series 133, 227 [A 126].**
1. Stehle, C., Peach, G.: 2000, *Line broadening*, Reports on Astronomy, ed. J. Andersen, Transactions of the International Astronomical Union **XXIVA**, Astronomical Society of the Pacific, 401.
- 172. A. A. Mihajlov, Lj. M. Ignjatović, M. S. Dimitrijević: 1998, Proc. Int. Conf. on New Cycle Act. Sun, Sankt-Petersburg, 119 [K 97].**
1. Djurić, Z., Mihajlov, A. A.: 2001, *The influence of chemi-recombination and chemi-ionization processes on kinetics of non-equilibrium helium plasma*, JQSRT **70**, 285.
- 173. L. Č. Popović, M. S. Dimitrijević, D. Tankosić: 1999, Astron. Astrophys. Suppl. Series 139, 617 [A 130].**
1. Milosavljević, V., Poparić, G.: 2001, *Atomic spectral line free parameter deconvolution procedure*, Phys. Rev. E **63**, 036404.
  2. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysical important 388.86, 471.32 and 501.56 nm He I spectral lines broadening*, New Astronomy **7**, 543.
  3. Milosavljević, V., Djeniže, S.: 2003, *Ion contribution to the prominent Ne I, Ar I and Kr I spectral line broadening*, Astronomy and Astrophysics **398**, 1179.
  4. Milosavljević, V., Djeniže, S.: 2002, *Contribution of ion to the astrophysical important 471.32 nm He I spectral line broadening*, Proc. 3rd Bulgarian-Serbian Astronomical Meeting, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Ivanov, M. S. Dimitrijević, P. Jovanović, Publ. Astron. Obs. Belgrade **73**, 173.
  5. Poparić, G.: 2003, *Determination of plasma parameters from shapes of atomic spectral lines*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 75.
- 174. V. Milosavljević, S. Djeniže, M. S. Dimitrijević, L. Č. Popović: 2000, Phys. Rev. E 62, 4137 [A 137].**
1. de Castro, A., Aparicio, J. A., del Val, J. A., Gonzalez, V. R., Mar, S.: 2001, *Measurement of Stark broadening and shift constants of singly ionized krypton lines*, J. Phys. B. **34**, 3275.

2. Milosavljević, V., Djeniže, S.: 2001, *On the Stark broadening of the He I 447.1 nm spectral line*, European Physical J. D **15**, 99.
  3. Milosavljević, V., Poparić, G.: 2001, *Atomic spectral line free parameter deconvolution procedure*, Phys. Rev. E **63**, 036404.
  4. Flih, S. A., Vitel, Y.: 2002, *Stark broadening of Kr II spectral lines in dense plasmas produced in flashtubes*, Spectral Line Shapes **12**, 6th International Conference of Spectral Line Shapes, Berkley, California, ed. C. A. Back, AIP Conference proceedings **645**, 99.
  5. Konjević, N., Lesage, A., Fuhr, J. R., Wiese, W. L.: 2002, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical Review of Selected Data for the Period 1989 Through 2000)*, J. Phys. Chem. Ref. Data **31**, 819.
  6. Milosavljević, V., Djeniže, S.: 2002, *Ion broadening parameters in the 5s - 6p Kr I transition*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 351.
  7. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysically important 447.15, 587.56 and 667.82 nm He spectral lines broadening*, Astron. Astrophys. **393**, 721.
  8. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the Ne I spectral lines broadening*, Physics Letters **305**, 70.
  9. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysical important 388.86, 471.32 and 501.56 nm He I spectral lines broadening*, New Astronomy, **7**, 543.
  10. Milosavljević, V.: 2003, *Electron and ion contributions to the Stark broadening in the He I spectrum*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade 47.
  11. Milosavljević, V., Djeniže, S.: 2003, *Ion contribution to the prominent Ne I, Ar I and Kr I spectral line broadening*, Astronomy and Astrophysics **398**, 1179.
- 175. A. Srećković, M. S. Dimitrijević, S. Djeniže: 2001, Astron. Astrophys. 371, 354 [A 145].**
1. Srećković, A., Djeniže, S., Bukvić, S.: 2002, *Stark shifts in the S III 4p - 4d transitions*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 341.
  2. Djeniže, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Measured Stark widths of prominent S IV spectral lines*, 21th Summer School and Interna-

- tional Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 344.
3. Djeniže, S., Srećković, A., Jelisivčić, M., Bukvić, S.: 2002, *Experimental Stark widths and shifts of triply ionized sulfur spectral lines*, Astron. Astrophysics **389**, 1086.
  4. Djeniže, S., Bukvić, S., Srećković, A., Kalezić, S.: 2003, *Experimental transition probabilities and Stark shifts in O III and O IV spectra*, Astron. Astrophys. **406**, 759.
  5. Srećković, Bukvić, S.: 2003, *Experimental Stark shifts in the F II 3s'-3p' transition*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 225.
- 176. V. Milosavljević, M. S. Dimitrijević, S. Djeniže: 2001, Astrophys. J. Suppl., 135, 115 [A 146].**
1. Milosavljević, V., Djeniže, S.: 2001, *On the Stark broadening of the He I nm spectral line*, European Physical J. D **15**, 99.
  2. Milosavljević, V., Poparić, G.: 2001, *Atomic spectral line free parameter deconvolution procedure*, Phys. Rev. E **63**, 036404.
  3. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysically important 447.15, 587.56 and 667.82 nm He spectral lines broadening*, Astron. Astrophys. **393**, 721.
  4. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the Ne I spectral lines broadening*, Physics Letters **305**, 70.
  5. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysical important 388.86, 471.32 and 501.56 nm He I spectral lines broadening*, New Astronomy **7**, 543.
  6. Milosavljević, V.: 2003, *Electron and ion contributions to the Stark broadening in the He I spectrum*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 47.
  7. Milosavljević, V., Djeniže, S.: 2003, *Ion contribution to the prominent Ne I, Ar I and Kr I spectral line broadening*, Astronomy and Astrophysics **398**, 1179.
- 177. L. Č. Popović, E. G. Mediavilla, J. Munoz, M. S. Dimitrijević, P. Jovanović: 2001, Serb. Astron. J. 164, 53 [E 82].**
1. Popović, L. Č., Mediavilla, E. G., Jovanović, P., Munoz, J. A.: 2002, *The influence of microlensing on the shape of the AGN Fe K $\alpha$  line*, Astron. Astrophys. **398**, 975.
  2. Popović, L. Č., Jovanović, P.: 2002, *Could the shape of Mrk 205 Fe K $\alpha$  line be explained by microlensing effect?*, Proc. 3rd Bulgarian-Serbian Astronomical Meeting, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Iva-

- nov, M. S. Dimitrijević, P. Jovanović, Publ. Astron. Obs. Belgrade **73**, 215.
- 178. L. Č. Popović, E. G. Mediavilla, J. Munoz, M. S. Dimitrijević, P. Jovanović, 2001, GLITP Workshop on Gravitational Lens Monitoring, 4-6 June 2001, La Laguna, Tenerife, Spain (није публикувано).**
1. Popović, L. Č., Mediavilla, E. G., Jovanović, P., Munoz, J. A.: 2002, *The influence of microlensing on the shape of the AGN Fe  $K_{\alpha}$  line*, Astron. Astrophys. **398**, 975.
  2. Popović, L. Č., Jovanović, P.: 2002, *Could the shape of Mrk 205 Fe  $K_{\alpha}$  line be explained by microlensing effect?*, Proc. 3rd Bulgarian-Serbian Astronomical Meeting, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Ivanov, M. S. Dimitrijević, P. Jovanović, Publ. Astron. Obs. Belgrade **73**, 215.
- 179. S. Djeniže, V. Milosavljević, M. S. Dimitrijević: 2002, Astron. Astrophys. 382, 359 [A 150].**
1. Djeniže, S., Srećković, A., Bukvić, S.: 2002, *Experimental transition probabilities in the N III 3s - 3p and 3p - 3d transitions*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 334.
  2. Djeniže, S., Srećković, A., Bukvić, S.: 2002, *Experimental transition probabilities in N III, N IV and N V spectra*, European Physical Journal D **20**, 11.
  3. Djeniže, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Measured Stark widths of prominent S IV spectral lines*, 21th Summer School and International Symposium on the Physics of Ionized Gases, 21th SPIG, August 26-30, 2002, Sokobanja, Yugoslavia, Contributed Papers and abstracts of invited lectures, topical invited lectures and progress reports, eds. M. K. Radović, M. S. Jovanović, Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Niš, Yugoslavia, 344.
  4. Djeniže, S., Srećković, A., Jelisavčić, M., Bukvić, S.: 2002, *Experimental Stark widths and shifts of triply ionized sulfur spectral lines*, Astron. Astrophysics **389**, 1086.
  5. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysically important 447.15, 587.56 and 667.82 nm He spectral lines broadening*, Astron. Astrophys. **393**, 721.
  6. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the Ne I spectral lines broadening*, Physics Letters **305**, 70.
  7. Milosavljević, V., Djeniže, S.: 2002, *Ion characteristics to the 667.82 nm He I spectral line shapes*, Proc. 3rd Bulgarian-Serbian Astronomical Meeting, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Ivanov, M. S. Dimitrijević, P. Jovanović, Publ. Astron. Obs. Belgrade **73**, 167.



8. Milosavljević, V., Djeniže, S.: 2002, *Contribution of ion to the astrophysical important 471.32 nm He I spectral line broadening*, Proc. 3rd Bulgarian-Serbian Astronomical Meeting, May 13-15, 2002, Gjolechitsa, Bulgaria, eds. G. Ivanov, M. S. Dimitrijević, P. Jovanović, Publ. Astron. Obs. Belgrade **73**, 173.
9. Milosavljević, V., Djeniže, S.: 2002, *Ion contribution to the astrophysical important 388.86, 471.32 and 501.56 nm He I spectral lines broadening*, New Astronomy **7**, 543.
10. Djeniže, S., Bukvić, S., Srećković, A.: 2003, *On the Bowen fluorescence mechanism in the helium-oxygen plasmas*, Astronomy and Astrophysics **411**, 637.
11. Djeniže, S., Bukvić, S., Srećković, A., Kalezić, S.: 2003, *Experimental transition probabilities and Stark shifts in O III and O IV spectra*, Astron. Astrophys. **406**, 759.
12. Milosavljević, V.: 2003, *Electron and ion contributions to the Stark broadening in the He I spectrum*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade 47.
13. Milosavljević, V., Djeniže, S.: 2003, *Ion contribution to the prominent Ne I, Ar I and Kr I spectral line broadening*, Astronomy and Astrophysics **398**, 1179.
- 180. S. Djeniže, M. S. Dimitrijević, A. Srećković, S. Bukvić: 2002, Astron. Astrophys. 396, 331 [A 153].**
  1. Djeniže, S., Bukvić, S., Srećković, A., Kalezić, S.: 2003, *Experimental transition probabilities and Stark shifts in O III and O IV spectra*, Astron. Astrophys. **406**, 759.
  2. Srećković, Bukvić, S., Kalezić, S.: 2003, *Measured Stark shifts of several Ar III spectral lines*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 229.
- 181. A. A. Mihajlov, D. Jevremović, P. Hauschildt, M. S. Dimitrijević, Lj. M. Ignjatovic, F. Alard: 2003, Astron. Astrophys. 403, 787 [A 158].**
  1. Christian, D. J., Mathioudakis, M., Jevremović, D., Dupuis, J., Vennes, S., Kawka, A.: 2003, *The extreme-ultraviolet continuum of a strong stellar flare*, Astrophys. J. **593**, L105.
- 182. M. S. Dimitrijević, T. Ryabchikova, L. Č. Popović, D. Shulyak, V. Tsybal: 2003, Astron. Astrophys. 404, 1099 [A 159].**
  1. Ryabchikova, T.: 2003, *Importance of Stark Damping in the Study of Abundance Stratification in Ap Stars*, IV Serbian Conference on Spectral Line Shapes, Arandjelovac, Serbia, 10-15 October 2003, eds. M. S. Dimitrijević, L. Č. Popović, N. Milovanović, Publ. Astron. Obs. Belgrade **76**, 105.
- 183. V. Milosavljević, S. Djeniže, M. S. Dimitrijević: 2003, Phys. Rev. E 68, 016402 [A 162].**
  1. Poparić, G.: 2003, *Determination of plasma parameters from shapes of atomic spectral lines*, IV Serbian Conference on Spectral Line Shapes,

