Nikola Konjevic

List of Publications by Year
in descending order

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164 papers	4,703 citations	136950 32 h-index	110387 64 g-index
164 all docs	164 docs citations	164 times ranked	1535 citing authors

#	Article	IF	Citations
1	Experimental Stark Widths and Shifts for Spectral Lines of Neutral and Ionized Atoms (A Critical) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Reference Data, 2002, 31, 819-927.	4.2	365
2	Plasma broadening and shifting of non-hydrogenic spectral lines: present status and applications. Physics Reports, 1999, 316, 339-401.	25.6	328
3	Experimental Stark widths and shifts for spectral lines of neutral and ionized atoms. Journal of Physical and Chemical Reference Data, 1990, 19, 1307-1385.	4.2	258
4	Stark widths of doubly- and triply-ionized atom lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 1980, 24, 451-459.	2.3	239
5	A critical review of the Stark widths and shifts of spectral lines from non-hydrogenic atoms. Journal of Physical and Chemical Reference Data, 1976, 5, 209-257.	4.2	189
6	Experimental Stark widths and shifts for non-hydrogenic spectral lines of ionized atoms. Journal of Physical and Chemical Reference Data, 1976, 5, 259-308.	4.2	163
7	Hydrogen Balmer lines for low electron number density plasma diagnostics. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 76, 16-26.	2.9	155
8	Experimental Stark Widths and Shifts for Spectral Lines of Neutral Atoms (A Critical Review of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 619-647.	4.2	137
9	Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1996, 51, 1707-1731.	2.9	118
10	Regularities and similarities in plasma broadened spectral line widths (Stark widths). Journal of Quantitative Spectroscopy and Radiative Transfer, 1982, 28, 185-198.	2.3	98
11	Experimental Stark Widths and Shifts for Spectral Lines of Positive Ions (A Critical Review and) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Data, 1984, 13, 649-686.	4.2	91
12	Low electron density diagnostics: development of optical emission spectroscopic techniques and some applications to microwave induced plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 591-605.	2.9	84
13	Spectroscopic diagnostics of laser-induced plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 593-602.	2.9	82
14	Electric field measurement in the cathode fall region of a glow discharge in helium. Applied Physics Letters, 1997, 70, 1521-1523.	3.3	80
15	Spectroscopic and real-time imaging investigation of tantalum plasma electrolytic oxidation (PEO). Surface and Coatings Technology, 2011, 205, 5406-5413.	4.8	80
16	Plasma diagnostics of the Grimm-type glow discharge. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1992, 47, 1173-1186.	2.9	77
17	Spectroscopic study of plasma during electrolytic oxidation of magnesium- and aluminium-alloy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1928-1937.	2.3	74
18	Line shapes of atomic hydrogen in a plane-cathode abnormal glow discharge. Physical Review A, 1992, 46, 4429-4432.	2.5	71

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19	Spectroscopic characterization of plasma during electrolytic oxidation (PEO) of aluminium. Surface and Coatings Technology, 2011, 206, 24-28.	4.8	66
20	Stark shifts of some isolated spectral lines of singly ionized earth alkaline metals. European Physical Journal A, 1972, 249, 440-444.	2.5	60
21	Doppler spectroscopy of hydrogen and deuterium balmer alpha line in an abnormal glow discharge. IEEE Transactions on Plasma Science, 2003, 31, 444-454.	1.3	55
22	On the use of non-hydrogenic spectral lines for low electron density and high pressure plasma diagnostics. Plasma Sources Science and Technology, 2009, 18, 035011.	3.1	54
23	Regularities in experimental stark shifts. Journal of Quantitative Spectroscopy and Radiative Transfer, 1992, 47, 185-200.	2.3	47
24	Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen. Journal of Applied Physics, 2005, 97, 033302.	2.5	47
25	Influence of ion dynamics on the width and shift of isolated He i lines in plasmas. Physical Review A, 1989, 40, 3871-3879.	2.5	42
26	A program for the evaluation of electron number density from experimental hydrogen balmer beta line profiles. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 987-998.	2.9	42
27	Stark broadening measurement of Al II lines in a laser-induced plasma. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 652-662.	2.3	40
28	On the use of non-hydrogenic spectral line profiles for electron density diagnostics of inductively coupled plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 2077-2084.	2.9	39
29	Stark broadening of isolated spectral lines of heavy elements in plasmas. Journal of Quantitative Spectroscopy and Radiative Transfer, 1983, 30, 45-54.	2.3	38
30	Excessive hydrogen and deuterium Balmer lines broadening in a hollow cathode glow discharges. European Physical Journal D, 2005, 32, 347-354.	1.3	38
31	Spectroscopic study of the cathode fall region of Grimm-type glow discharge in helium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 745-753.	2.9	36
32	Stark broadening of Mg I and Mg II spectral lines and Debye shielding effect in laser induced plasma. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 85, 20-33.	2.9	34
33	Parametric study of an atmospheric pressure microwave-induced plasma of the mini MIP torch â€" I. Two-dimensional spatially resolved electron-number density measurements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 1879-1893.	2.9	33
34	Measurement of the Stark broadening parameters of some singly ionized argon lines. Zeitschrift FÃ¼r Physik A, 1970, 235, 35-43.	0.9	32
35	Stark broadening and shift of some isolated spectral lines of singly ionised earth alkaline metals. Zeitschrift FÃ¼r Physik A, 1973, 262, 169-179.	0.9	32
36	Electric field distribution in the cathode-fall region of an abnormal glow discharge in hydrogen: experiment and theory. Plasma Sources Science and Technology, 2012, 21, 025006.	3.1	30

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37	Development and Testing of a Self-Triggered Spark Reactor for Plasma Driven Dry Reforming of Methane. Plasma Processes and Polymers, 2014, 11, 787-797.	3.0	30
38	Stark broadening of spectral lines of homologous, doubly-ionized inert gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 1987, 37, 311-318.	2.3	29
39	STARK BROADENING PARAMETERS OF ANALOGOUS SPECTRAL LINES ALONG THE LITHIUM AND BERYLLIUM ISOELECTRONIC SEQUENCES. Journal of Quantitative Spectroscopy and Radiative Transfer, 1999, 61, 361-375.	2.3	29
40	On the atomic hydrogen line shapes in a plane-cathode obstructed glow discharge. Physica Scripta, 1994, 50, 487-492.	2.5	27
41	Excessive Balmer line broadening in microwave-induced discharges. Journal of Applied Physics, 2004, 95, 24-29.	2.5	27
42	Influence of ion dynamics on the width and shift of isolated He i lines in plasmas. II. Physical Review E, 1995, 51, 4891-4896.	2.1	26
43	Stark Broadening of Spectral Lines of Singly Ionized C, N, O, F and Ne. Physica Scripta, 1999, 59, 374-378.	2.5	26
44	Stark width and shift for electron number density diagnostics of low temperature plasma: Application to silicon Laser Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 131, 79-92.	2.9	26
45	Simple method for deconvolution of a Gaussian and a plasma broadened spectral line profile jA,R(Ï‡). Journal of Quantitative Spectroscopy and Radiative Transfer, 1993, 50, 329-335.	2.3	25
46	Plasma broadening of Ne iiâ€“Ne vi and F ivâ€“F v spectral lines. Physical Review E, 1993, 47, 3623-3630.	2.1	25
47	Stark broadening along homologous sequences of singly ionized noble gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 1986, 35, 247-253.	2.3	24
48	Stark Broadening of A III and AIV Lines. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1975, 30, 212-215.	1.5	22
49	Rotational and vibrational temperatures of molecular hydrogen in a hollow cathode glow discharge. Plasma Sources Science and Technology, 2007, 16, 750-756.	3.1	22
50	Hydrogen Balmer beta: The separation between line peaks for plasma electron density diagnostics and self-absorption test. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 154, 1-8.	2.3	22
51	Test for ion dynamic dependence of plasma red shifts in neutral hydrogen. Physical Review A, 1979, 20, 1195-1196.	2.5	20
52	Plasma broadening and shifting of spectral lines along the isoelectronic sequence of boron. Physical Review E, 1996, 54, 743-756.	2.1	20
53	Excessive Doppler broadening of the HÎ± line in a hollow cathode glow discharge. European Physical Journal D, 2007, 41, 143-150.	1.3	20
54	A simple line shape technique for electron number density diagnostics of helium and helium-seeded plasmas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 234-240.	2.9	20

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55	Ar I and Ne I spectral line shapes for an abnormal glow discharge diagnostics. Plasma Sources Science and Technology, 2013, 22, 045015.	3.1	20
56	Measurements of the Stark broadening parameters of several Si II lines. Journal of Physics B: Atomic and Molecular Physics, 1970, 3, 999-1003.	1.6	19
57	Stark broadening of the He i 4471-AÌŠline and its forbidden component in dense cool plasma. Physical Review A, 1986, 33, 1349-1355.	2.5	19
58	Plasma shift and broadening of analogous transitions of Si ii, Cl iii, Ar iv, Cl ii, and Ar iii. Physical Review A, 1990, 41, 6023-6031.	2.5	19
59	Deconvolution of plasma broadened non-hydrogenic neutral atom lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 70, 67-74.	2.3	19
60	On the use of non-hydrogenic spectral line profiles for plasma electron density diagnostics. Plasma Sources Science and Technology, 2001, 10, 356-363.	3.1	18
61	Stark broadening of singly ionized strontium and calcium lines. Zeitschrift FÃ¼r Physik A, 1971, 247, 216-222.	0.9	17
62	Spectroscopic application of an iterative kinetic model of the cathode-fall region in a hydrogen abnormal glow discharge. Plasma Sources Science and Technology, 2014, 23, 012004.	3.1	17
63	Spectroscopic application of an iterative kinetic cathode sheath model to high voltage hollow cathode glow discharge in hydrogen. Journal of Applied Physics, 2016, 119, .	2.5	16
64	Measurement of the DC Stark shift for visible NeI lines and electric field distribution in the cathode sheath of an abnormal glow discharge. Journal Physics D: Applied Physics, 2017, 50, 125201.	2.8	16
65	Plasma shift of the He iiPÎ±line. Physical Review A, 1988, 37, 1021-1024.	2.5	15
66	Stark broadening and shift of Kr I and Kr II lines in dense plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 2517-2525.	1.5	15
67	Optical emission spectroscopy for simultaneous measurement of plasma electron density and temperature in a low-pressure microwave induced plasma. Physics of Plasmas, 2009, 16, .	1.9	15
68	Laser interferometric measurements of electron density in an arc plasma. European Physical Journal A, 1967, 204, 443-455.	2.5	14
69	Dye Laser for Absorption Trace Analysis of Sodium. Spectroscopy Letters, 1973, 6, 177-181.	1.0	14
70	Stark broadening of the singly ionized xenon line: Temperature variation. Physical Review A, 1988, 38, 5742-5744.	2.5	14
71	Intensity dependence of hydrogen Lyman alpha and Balmer alpha lines upon cathode material of an abnormal glow discharge. European Physical Journal D, 2004, 28, 393-398.	1.3	14
72	Simultaneous plasma and electric field diagnostics of microdischarge from hydrogen Balmer line shape. Applied Physics Letters, 2010, 96, 241501.	3.3	14

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73	Stark effect of Ar I lines for electric field strength diagnostics in the cathode sheath of glow discharge. Europhysics Letters, 2017, 119, 55001.	2.0	14
74	Stark broadening of S(III) and S(IV) lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 1979, 22, 333-335.	2.3	13
75	Modified Semiempirical Formula for the Electron-Impact Width of Ionized Atom Lines: Theory and Applications. , 1981, , 211-240.		13
76	Search for ion dynamics effects on the shift and width of plasma-broadened C i and O i spectral lines. Physical Review E, 1995, 51, 613-618.	2.1	13
77	Stark width and shift temperature dependence of the Ar I 425.9 nm line. Journal of Quantitative Spectroscopy and Radiative Transfer, 1997, 57, 695-701.	2.3	13
78	Stark line broadening of 3sâ€“3p and 3pâ€“3d transitions of doubly ionized C, N, O, F and Ne. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 67, 9-20.	2.3	13
79	Ne <scp>i</scp> spectral line shapes in Grimm-type glow discharge. Journal of Analytical Atomic Spectrometry, 2014, 29, 2058-2063.	3.0	13
80	He-Ne Laser for Intra-Cavity Enhanced Absorption Measurement. Spectroscopy Letters, 1974, 7, 615-620.	1.0	12
81	Stark shift and broadening of FI and CII lines. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1988, 10, 425-430.	1.0	12
82	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 XeI and XeII lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 1990, 44, 61-70.	2.3	12
83	Doppler spectroscopy of hydrogen Balmer lines in a hollow cathode water vapour and argonâ€“water vapour glow discharge. Journal Physics D: Applied Physics, 2008, 41, 235202.	2.8	12
84	Electron impact broadening of ionized chlorine lines. Journal of Physics B: Atomic and Molecular Physics, 1971, 4, 1541-1547.	1.6	11
85	Stark broadening of the HeI 4471 Ã... line and its forbidden component at high electron densities. Journal of Quantitative Spectroscopy and Radiative Transfer, 1991, 46, 447-453.	2.3	11
86	Title is missing!. Journal of Applied Spectroscopy, 2000, 67, 910-918.	0.7	11
87	Parametric study of an atmospheric pressure microwave-induced plasma of the mini MIP torch â€" II. Two-dimensional spatially resolved excitation temperature measurements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 2419-2428.	2.9	11
88	Excessive broadening of hydrogen Balmer lines for discharge-surface interaction monitoring. Applied Physics Letters, 2005, 86, 251502.	3.3	11
89	Stark broadening of Si III and Si IV lines. Journal of Physics B: Atomic and Molecular Physics, 1977, 10, 2997-3004.	1.6	10
90	Laserâ€plasma generation of currents along a conductive target. Journal of Applied Physics, 1990, 68, 3140-3146.	2.5	10

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91	Stark broadening of triply ionized oxygen lines: The temperature dependence. Physical Review E, 1994, 50, 2986-2990.	2.1	10
92	On the Stark broadening of Sr+ and Ba+ resonance lines in ultracold neutral plasmas. European Physical Journal D, 2006, 40, 57-63.	1.3	10
93	Plasma diagnostics using the Heâ€‰I 447.1â€‰nm line at high and low densities. Journal Physics D: Applied Physics, 2011, 44, 194010.	2.8	10
94	A contribution to spectroscopic diagnostics and cathode sheath modeling of micro-hollow gas discharge in argon. Journal of Applied Physics, 2011, 110, 033305.	2.5	10
95	The study of a homogeneous column of argon plasma at a pressure of 0.5 torr, generated by means of the Beenakkerâ€™s cavity. European Physical Journal D, 2014, 68, 1.	1.3	10
96	On the Thermal Conductivity of Hydrogen at Elevated Temperatures. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1976, 31, 1042-1045.	1.5	9
97	Stark broadening of singly ionized neon lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 1986, 35, 473-477.	2.3	9
98	Spectroscopic study of hydrogen Balmer lines in a microwave-induced discharge. Journal of Applied Physics, 2009, 105, .	2.5	9
99	Stark broadening and shift of neutral bromine lines. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, 739-748.	1.5	8
100	Stark broadening of 3s3P0â€“3p3D and 3p3Dâ€“3d3F0transitions along carbon isoelectronic sequences of ions revisited. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 715-728.	1.5	8
101	Spectroscopic study of high energy excited deuterium atoms in a hollow cathode glow discharge. Physics of Plasmas, 2007, 14, 043504.	1.9	8
102	On the stark broadening of ionized nitrogen lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 1981, 25, 387-392.	2.3	7
103	Stark broadening of potassium lines. Physical Review A, 1985, 32, 673-675.	2.5	7
104	Experimental study of the influence of ion-dynamics to the shape of He IIPÎ±andPÎ²lines. Physica Scripta, 1995, 52, 178-183.	2.5	7
105	On simultaneous determination of electron impact width, ion-broadening and ion-dynamic parameter from the shape of plasma broadened non-hydrogenic atom line. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1773-1785.	1.5	7
106	The Influence of Small Hydrogen Admixtures up to 5Â% to a Low Pressure Nonuniform Microwave Discharge in Nitrogen. Plasma Chemistry and Plasma Processing, 2012, 32, 1093-1108.	2.4	7
107	Stark broadening of the He I 492.2 nm line with forbidden components in dense low-temperature plasma. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 127, 82-89.	2.3	7
108	Experimental study of the stark broadening of neutral chlorine lines. Physics Letters, Section A: General, Atomic and Solid State Physics, 1970, 32, 420-421.	2.1	6

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109	Experimental stark widths of C(II)u.v. lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 1978, 20, 477-479.	2.3	6
110	On plasma surface coupling of 10.6 Î¼m laser radiation with copper targets. Optics Communications, 1987, 63, 248-252.	2.1	6
111	Spectroscopic study of an electrode microwave discharge in argon and argonâ€“hydrogen mixtures. Vacuum, 2010, 85, 187-192.	3.5	6
112	Complex UV Ne II line shapes in the cathode sheath of an abnormal glow discharge. Plasma Sources Science and Technology, 2020, 29, 085008.	3.1	6
113	Investigation of the Stark broadening of several Cl II lines. Journal of Physics B: Atomic and Molecular Physics, 1970, 3, 1742-1748.	1.6	5
114	On the temperature dependence of Gaunt factors. Journal of Quantitative Spectroscopy and Radiative Transfer, 1978, 20, 223-226.	2.3	5
115	Stark broadening and shift of neutral iodine lines and regularities for analogous transitions of halogene atoms. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1988, 11, 113-118.	1.0	5
116	On the Stark broadening of Ne I lines and quasi-static versus ion impact approximation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1249-1259.	1.5	5
117	Spectroscopic diagnostics of microhollow gas discharge in hydrogen. Journal of Applied Physics, 2012, 111, 096103.	2.5	5
118	Spectroscopic and electric characterization of an atmospheric pressure segmented gas discharge with micro hollow electrodes. European Physical Journal D, 2014, 68, 1.	1.3	5
119	Neutral lithium spectral line 460.28 nm with forbidden component for low temperature plasma diagnostics of laser-induced plasma. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 100, 86-97.	2.9	5
120	Ne II spectral lines in the cathode sheath of an abnormal glow discharge. European Physical Journal D, 2021, 75, 1.	1.3	5
121	Stark shifts of Cl I and Cl II lines. Physics Letters, Section A: General, Atomic and Solid State Physics, 1971, 37, 425-426.	2.1	4
122	Stark broadening and shift of fluorine I lines. Zeitschrift FÃ¼r Physik A, 1972, 257, 235-244.	0.9	4
123	Experimental study of Stark broadened N II lines from states of high orbital angular momentum. Journal of Quantitative Spectroscopy and Radiative Transfer, 1986, 36, 289-294.	2.3	4
124	Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow Discharge. European Physical Journal Special Topics, 1997, 07, C4-247-C4-258.	0.2	4
125	On Modeling of the Spectral Line Shape of Heavy Neutral Nonhydrogen-Like Emitters. Journal of Applied Spectroscopy, 2001, 68, 902-910.	0.7	4
126	Influence of thin porous Al2O3 layer on aluminum cathode to the HÎ± line shape in glow discharge. Journal of Applied Physics, 2009, 105, .	2.5	4

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127	The discharge for plasma Stark shift measurement and results for He I 706.522 nm line. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 161, 197-202.	2.3	4
128	Semiclassical calculations of electron impact Stark widths and shifts of singly ionized atom lines revisited. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 198, 9-24.	2.3	4
129	Study of the Ar II spectral line shape in the cathode sheath region of glow discharge. AIP Advances, 2021, 11, .	1.3	4
130	Estimation of the maximum electric field strength in the cathode sheath of a Grimm-type glow discharge by end-on view optical emission spectroscopy in neon and argon. Journal of Analytical Atomic Spectrometry, 2022, 37, 1318-1326.	3.0	4
131	Stark broadening of halogen atom lines from (1 D)n p levels. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1990, 16, 255-260.	1.0	3
132	Electron temperature measurements in medium electron density plasmas. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 66, 571-579.	2.3	3
133	Doppler spectroscopy of hydrogen Balmer lines in a hollow cathode glow discharge in ammonia and argon-ammonia mixture. Physics of Plasmas, 2008, 15, 113501.	1.9	3
134	Stark shift of neutral helium lines in low temperature dense plasma and the influence of Debye shielding. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2969-2979.	4.4	3
135	Semiclassical calculations of stark broadening parameters of He I lines revisited. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 278-287.	2.3	3
136	Study of UV Ne II line shapes in the cathode sheath of an abnormal glow discharge. Advances in Space Research, 2023, 71, 1293-1306.	2.6	3
137	Determination of some transport properties of argon from transient arc behaviour. Zeitschrift FÃ¼r Physik A, 1968, 214, 109-126.	0.9	2
138	Refractive-ray bending in axially- symmetric plasma sources. Journal of Quantitative Spectroscopy and Radiative Transfer, 1974, 14, 389-394.	2.3	2
139	Experimental study of CS2/O2/ additive flame laser output spectra. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 77, 435-437.	2.1	2
140	Design and performance of a small CS2/O2/additive flame laser. Review of Scientific Instruments, 1980, 51, 658-662.	1.3	2
141	Semiclassical calculations of electron impact Stark widths of S(III), Cl(III) and S(IV) isolated lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 1982, 27, 203-205.	2.3	2
142	On plasma surface coupling of 1.06Î¼m laser radiation with copper targets. Optics Communications, 1987, 61, 211-214.	2.1	2
143	CO2 Laser-induced plasma formation on a copper surface covered by dielectric particles. Applied Physics A: Solids and Surfaces, 1989, 48, 283-287.	1.4	2
144	IR-Laser light coupling to metal surfaces. Infrared Physics, 1991, 32, 177-189.	0.5	2

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145	Doppler spectroscopy of hydrogen Balmer lines in a hollow cathode glow discharge in argonâ€“methane and argonâ€“acetylene mixture. Chemical Physics, 2009, 361, 180-184.	1.9	2
146	Q-branch of fulcher-Î± diagonal bands for determination of the axial temperature distribution in the cathode sheath region of hydrogen and hydrogen-argon abnormal glow discharge. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 254, 107195.	2.3	2
147	Electron density measurements during a current perturbation of a wall stabilized argon arc. Zeitschrift FÃ¼r Physik A, 1968, 208, 65-72.	0.9	1
148	Measurement of arc electron densities using a CO2 laser. Physics Letters, Section A: General, Atomic and Solid State Physics, 1968, 28, 309-310.	2.1	1
149	The importance of the pulse shape for the laser-beam target interaction. Optics and Laser Technology, 1980, 12, 145-147.	4.6	1
150	Systematic experimental study of the Stark broadening of C. , 1999, , .		1
151	Temperature Dependence of Stark Broadening Dominated by Strong Collisions. AIP Conference Proceedings, 2006, , .	0.4	1
152	A roundtable on the first 50 years of quantum theories of Stark broadening. , 2008, , .		1
153	Anomalous Broadening of Balmer H[sub Î±] Line in Aluminum and Copper Hollow Cathode Glow Discharges. , 2008, , .		1
154	Application of $$hbox {GK}^{{mathbf {1}}} Sigma ^{+}_{mathbf {g}}$$, $$u ' = 0 ightarrow hbox {B}^{1} Sigma ^{+}_{mathbf {u}}$$, $$u '' = 0$$ hydrogen band for the axial temperature measurement in the cathode sheath region of an abnormal glow discharge. European Physical Journal D, 2021, 75, 1.	1.3	1
155	Correction for refractive-ray bending in axially-symmetric plasma sources. Journal of Quantitative Spectroscopy and Radiative Transfer, 1976, 16, 15-19.	2.3	0
156	Wavelength tuning of nitrogen pumped dye laser. Optics Communications, 1977, 23, 187-188.	2.1	0
157	Experimental study of the Heâ€‰II Pî² line shape. AIP Conference Proceedings, 1995, , .	0.4	0
158	Influence of ion-dynamics on the shift of Câ€‰I 5052.17-AÌŠ spectral line in plasma. AIP Conference Proceedings, 1995, , .	0.4	0
159	Plasma broadened 419.07 nm and 419.10 nm neutral argon lines. , 1999, , .		0
160	Experimental Study ofLSCoupling Along Isoelectronic Sequences. Physica Scripta, 2001, 64, 448-451.	2.5	0
161	Separation between Allowed and Forbidden Component of the He I 447 nm Line in High Electron Density Plasma. , 2008, , .		0
162	Anomalous Broadening of Hydrogen Balmer Lines in Electric Gas Discharges. , 2008, , .		0

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163	Criticism of the paper â€œSelective atomic hydrogen heating in plasmas: Implications for quantum theoryâ€•by Jonathan Phillips, Int J Hydrogen Energy 34 (2009) 9816â€“9823. International Journal of Hydrogen Energy, 2010, 35, 5763-5763.	7.1	0
164	The Beenakker's Cavity for Uniform Column of Nonequilibrium Argon Plasma Generation: Experiment and 3-D Modeling. IEEE Transactions on Plasma Science, 2014, 42, 2836-2837.	1.3	0