Laurentius Windholz

List of Publications by Year
in descending order

200 papers	2,267 citations	257101 24 h-index	360668 35 g-index
202 all docs	202 docs citations	202 times ranked	734 citing authors

#	Article	IF	Citations
1	Phase-dependent electromagnetically induced transparency. Physical Review A, 1999, 59, 2302-2305.	1.0	144
2	Coherent population trapping with losses observed on the Hanle effect of theD1sodium line. Physical Review A, 1997, 55, 3710-3718.	1.0	141
3	Classification of Spectral Lines by Means of their Hyperfine Structure. Application to Ta I and Ta II Levels. Physica Scripta, 2003, T105, 55.	1.2	57
4	Transient coherent population trapping in a closed loop interaction scheme. Physical Review A, 1996, 53, 3444-3448.	1.0	48
5	Observation of Phase-Dependent Coherent Population Trapping in Optically Closed Atomic Systems. Europhysics Letters, 1995, 31, 189-194.	0.7	42
6	Photoionization cross-sections of the first excited states of sodium and lithium in a magneto-optical trap. European Physical Journal D, 2001, 17, 285-291.	0.6	37
7	Generation and intrinsic dynamics of ring dark solitary waves. Applied Physics B: Lasers and Optics, 1997, 64, 429-433.	1.1	36
8	Polarization-dependent sensitivity of level-crossing, coherent-population-trapping resonances to stray magnetic fields. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1729.	0.9	36
9	Re-measurement of the transition frequencies, fine structure splitting and isotope shift of the resonance lines of lithium, sodium and potassium. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1996, 36, 31-33.	1.0	35
10	Ultraâ€violetâ€laserâ€induced chemiluminescence of NaCd and NaHg excimers. Journal of Chemical Physics, 1991, 94, 3366-3370.	1.2	31
11	A high-precision measurement of the stark shift of the sodium D1-line. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 109, 155-159.	0.9	30
12	Stark-effect investigations of the sodiumD2line. Physical Review A, 1989, 39, 2472-2480.	1.0	30
13	Finding of previously unknown energy levels using Fourier-transform and laser spectroscopy. Physica Scripta, 2016, 91, 114003.	1.2	29
14	Efficient Raman sideband generation in a coherent atomic medium. Physical Review A, 2000, 63, .	1.0	28
15	Precise Stark-effect investigations of the lithiumD1andD2lines. Physical Review A, 1992, 46, 5812-5818.	1.0	27
16	Phase control of electromagnetically induced transparency in a double-Î› system. Journal of Modern Optics, 2002, 49, 141-155.	0.6	27
17	Investigation of the hyperfine structure of lanthanum lines by a laser-induced fluorescence technique. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 125001.	0.6	26
18	Investigation of the hyperfine structure of Pr I and Pr II lines based on highly resolved Fourier transform spectra. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 045003.	0.6	26

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19	Laserspectroscopic investigations of the lithium-D-lines in magnetic fields. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1990, 16, 41-47.	1.0	25
20	Stark effect investigations of resonance lines of neutral potassium, rubidium, europium and gallium. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1997, 41, 229-233.	1.0	25
21	Phase Correlation of Laser Waves with Arbitrary Frequency Spacing. Physical Review Letters, 2004, 93, 223601.	2.9	25
22	HIGH-RESOLUTION FOURIER TRANSFORM SPECTROSCOPY OF LANTHANUM IN Ar DISCHARGE IN THE NEAR-INFRARED. Astrophysical Journal, Supplement Series, 2013, 208, 18.	3.0	25
23	Experimental investigation of the hyperfine spectra of PrÂ I â€“ lines: discovery of new fine structure levels with low angular momentum. European Physical Journal D, 2011, 64, 209-220.	0.6	24
24	New energy levels and hyperfine structure measurements of neutral lanthanum by laser-induced fluorescence spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 135005.	0.6	24
25	Coherent population trapping probed by charge exchange reactions. Physical Review Letters, 1992, 69, 3452-3454.	2.9	22
26	Phase measurements of ring dark solitons. Applied Physics B: Lasers and Optics, 1996, 62, 139-142.	1.1	22
27	Optogalvanic spectroscopy of the hyperfine structure of weak La I lines: discovery of new even parity fine structure levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 065002.	0.6	22
28	New even-parity fine structure levels of the Lanthanum atom discovered by means of optogalvanic spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 165001.	0.6	22
29	Stark Effect of Ar I'-Lines. Physica Scripta, 1980, 21, 67-74.	1.2	21
30	Stark Effect of NeI-Lines (I). Physica Scripta, 1984, 29, 344-350.	1.2	21
31	Investigations of the sodium and lithium D-lines in strong magnetic fields. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1992, 25, 23-29.	1.0	21
32	Quantitative study of the destructive quantum-interference effect on coherent population trapping. Physical Review A, 2009, 79, .	1.0	20
33	High-pressure, high-temperature thermophysical measurements on tungsten. High Pressure Research, 1990, 4, 558-560.	0.4	19
34	Quasiclassical analysis of laser cooling by velocity-selective coherent population trapping. Physical Review A, 1993, 48, 1419-1427.	1.0	18
35	Rovibrational state-specific detection of desorbing hydrogen molecules using multiphoton ionization (REMPI). Measurement Science and Technology, 1994, 5, 947-953.	1.4	18
36	Study of the LiHg excimer: Blueâ€“green bands. Journal of Chemical Physics, 1994, 101, 929-936.	1.2	18

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37	Investigation of the hyperfine structure of Ta I lines (V). European Physical Journal D, 2001, 13, 187-194.	0.6	18
38	Investigation of the Hyperfine Structure of Ta I lines (VII). Physica Scripta, 2003, 68, 170-191.	1.2	18
39	Zeeman- and Paschen-Back-effect of the hyperfine structure of the sodiumD 1-line. Zeitschrift FÃ¼r Physik A, 1985, 322, 203-206.	1.4	17
40	Precise Stark-effect measurements of the (4f66s6p+4f55d6s2)7F10-4f66s27F1transition in Sm I (5720.19) Tj ETQq0 0 0 rgBT /Overlock	1.6	17
41	Zeeman- and Paschen-Back-effect of the hyperfine structure of the sodiumD 2-line. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1988, 8, 239-249.	1.0	17
42	Optical measurement of the free spectral range and spacing of plane and confocal Fabry-Perot interferometers. Optical Engineering, 1990, 29, 42.	0.5	17
43	New even and odd parity levels of neutral praseodymium. Physica Scripta, 2011, 84, 065303.	1.2	17
44	Stark effect of atomic Helium singlet lines. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 934.	0.9	17
45	Visible-laser-induced chemiluminescence of NaHg red excimer bands. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 18, 373-377.	1.0	16
46	Experimental investigations of the Zeeman effect of new fine structure levels of Lanthanum and Praseodymium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 116, 16-20.	1.5	16
47	Investigation of the hyperfine structure of TaI-lines. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 27, 343-347.	1.0	15
48	Investigation of the hyperfine structure of Ta I-lines (III). Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1996, 36, 129-136.	1.0	15
49	Dynamics of coherent optical pumping in a sodium atomic beam. Physical Review A, 1997, 56, 3908-3915.	1.0	15
50	Fine-structure analysis of the (5d+6s) ^{5} levels of Ta I. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1997, 39, 143-152.	1.0	15
51	Stark effect of atomic helium second triplet series in electric fields up to 1600â€‰kVâ€‰cm^{âˆ’1}. Physica Scripta, 2008, 78, 065303.	1.2	15
52	Laser induced fluorescence spectroscopy used for the investigation of LandÃ© <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0036.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">g</mml:mi></mml:mrow><mml:mrow><mml:mi>J</mml:mi></mml:mrow></mml:msub></mml:math>-factors of praseodymium energy levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 194, 24-30.	1.1	15
53	Zeeman effect of weak La I lines investigated by the use of optogalvanic spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 189, 221-227.	1.1	14
54	Pulsedâ€ultravioletâ€laserâ€induced chemiluminescence of NaCd and NaHg excimers. Journal of Chemical Physics, 1992, 97, 7017-7018.	1.2	13

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55	Isotope shift in the tantalum atomic spectrum. Physical Review A, 1994, 49, 120-127.	1.0	13
56	Nonlinear emission in sodium vapour upon pulsed-laser excitation of the 42 P levels. Applied Physics B: Lasers and Optics, 1994, 59, 525-531.	1.1	13
57	The NaHg red bands revisited. Journal of Chemical Physics, 1995, 102, 5174-5180.	1.2	13
58	Zeeman effect of hyperfine-resolved spectral lines of singly ionized praseodymium using collinear laserâ€"ion-beam spectroscopy. Physical Review A, 2014, 90, .	1.0	13
59	Coherent population trapping on the sodium D_1 line in high magnetic fields. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2221.	0.9	12
60	Improved energy levels and wavelengths of Pr II from a high-resolution Fourier transform spectrum. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 095001.	0.6	12
61	Experimental investigation of the hyperfine spectra of Pr I-lines: Discovery of new fine structure levels with high angular momentum. European Physical Journal D, 2014, 68, 1.	0.6	12
62	New even and odd parity fine structure levels of La I discovered by means of laser-induced fluorescence spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 505-510.	1.1	12
63	Laser induced fluorescence and optogalvanic spectroscopy applied to find previously unknown energy levels of La I and studies of their Zeeman structure. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 200, 108-112.	1.1	12
64	The Puzzle of the La I Lines 6520.644 Å and 6519.869 Å. Spectral Analysis Review, 2014, 02, 10-18.	0.2	12
65	Production of the electronically excited NaCd excimer via resonant excitation of the metastable Cd(5pâ€‰3P1) level. Journal of Chemical Physics, 1994, 100, 8103-8108.	1.2	11
66	Measurement of the transition wavelengths of the lithium resonance lines. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1994, 29, 121-123.	1.0	11
67	Investigation of the hyperfine structure of TaI-line (II). Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1995, 33, 97-100.	1.0	11
68	Studies of LandÃ© g -factors of singly ionized lanthanum by laser-induced fluorescence spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 179, 33-39.	1.1	11
69	Experimental investigation of the hyperfine spectra of Pr I-lines: discovery of new fine structure energy levels of Pr I using LIF spectroscopy with medium angular momentum quantum number between 7/2 and 13/2. European Physical Journal D, 2016, 70, 1.	0.6	11
70	Determination of Lande g J - factors of La I levels using laser spectroscopic methods: Complementary investigations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 201, 30-34.	1.1	11
71	New energy levels of atomic niobium (Nb I) discovered by laser-spectroscopic investigations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 212, 24-31.	1.1	11
72	LIF spectra of magnetic splitting of lines of atomic vanadium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 237, 106639.	1.1	11

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73	Variation of the Observed Widths of La I Lines with the Energy of the Upper Excited Levels, Demonstrated on Previously Unknown Energy Levels. Spectral Analysis Review, 2016, 04, 23-40.	0.2	11
74	A new energy level of the neutral tantalum atom. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1995, 35, 177-178.	1.0	10
75	Investigation of the Hyperfine Structure of Ta I lines (VIII). Physica Scripta, 2004, 69, 441-450.	1.2	10
76	A study of hyperfine transitions of singly ionized praseodymium (141Pr+) using collinear laser ion beam spectroscopy. European Physical Journal D, 2012, 66, 1.	0.6	10
77	Progress in the analysis of the even parity configurations of tantalum atom. European Physical Journal: Special Topics, 2013, 222, 2085-2102.	1.2	10
78	Zeeman structure of red lines of lanthanum observed by laser spectroscopy methods. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 201, 180-183.	1.1	10
79	Systematic investigations of the hyperfine structure constants of niobium I levels. Part I: Constants of upper odd parity energy levels between 16,672 and 31,025 cmâˆ'1 and discovery of a new level. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 245, 106873.	1.1	10
80	A field assembly for Stark effect investigations, allowing a precise determination of high electric field strengths. Journal of Physics E: Scientific Instruments, 1984, 17, 186-188.	0.7	9
81	Laser cooling of a sodium atomic beam using the Stark effect. Physical Review A, 1994, 49, 1119-1121.	1.0	9
82	Relativistic all-electron ab initio calculations of CsHg potential energy curves including spin-orbit effects. Journal of Chemical Physics, 1998, 109, 9463-9472.	1.2	9
83	Laser Spectroscopic Investigations of Praseodymium I Transitions: New Energy Levels. Advances in Optical Technologies, 2012, 2012, 1-34.	0.8	9
84	Revised energy levels of singly ionized lanthanum. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 211, 188-199.	1.1	9
85	Laser driven channels of reactive collisions in Na plus Cd vapors. Chemical Physics, 1994, 187, 73-78.	0.9	8
86	Laser-spectroscopic investigations of the lithium resonance lines. Applied Physics B: Lasers and Optics, 1995, 60, 573-582.	1.1	8
87	The LiHg(22Î3/2âˆ') System. The Journal of Physical Chemistry, 1996, 100, 10062-10069.	2.9	8
88	Controllable branching of optical beams by quasi-two-dimensional dark spatial solitons. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2869.	0.9	8
89	Spectral and spatial evolution of a conical emission in Na vapor. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 34.	0.9	8
90	Investigation of the Hyperfine Structure of Ta I Lines (IX). Physica Scripta, 2005, 71, 611-620.	1.2	8

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91	Trap loss collisions of6Li and7Li with23Na in a combined magneto-optical trap. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S871-S879.	0.6	8
92	Investigation of the hyperfine structure of Ta I lines (X). Physica Scripta, 2006, 74, 211-217.	1.2	8
93	Investigation of Pr I lines by a simulation of their hyperfine patterns: discovery of new levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 205001.	0.6	8
94	Investigations of the Zeeman effect of some 142Nd ionic levels, using collinear laser ion beam spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 166, 102-107.	1.1	8
95	Experimental Investigation of the Hyperfine Structure of Neutral Praseodymium Spectral Lines and Discovery of New Energy Levels. International Journal of Chemistry, 2016, 9, 7.	0.3	8
96	Revised energy levels and hyperfine structure constants of Ta II. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 176, 97-121.	1.1	8
97	Accelerated endurance test of single-mode vertical-cavity surface-emitting lasers under vacuum used for a scalar space magnetometer. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	8
98	Progress in Finding New Energy Levels Using Laser Spectroscopy. Atoms, 2018, 6, 54.	0.7	8
99	Laser spectroscopy used in the investigation of the Zeeman - hyperfine structure of vanadium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 242, 106769.	1.1	8
100	LandÃ© g - factors of Nb I levels determined by laser spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 249, 107015.	1.1	8
101	The Optogalvanic Spectrum of Neutral Lanthanum between 5610 and 6110 Ã…. Atoms, 2020, 8, 23.	0.7	8
102	Laser spectroscopic measurements of the Stark shift of the Ne i lines at 5852 and 5882 AÌŠ. Physical Review A, 1988, 37, 1978-1982.	1.0	7
103	Hyperfinestructure constants of the Eu-I level 4f 7 6s 6p z 6 P 7/2. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 21, 189-190.	1.0	7
104	Theoretical analysis of the emission spectra of the NaCd excimer. Journal of Chemical Physics, 1995, 102, 7782-7788.	1.2	7
105	Influence of laser sources with different spectral properties on the performance of vapor cell atomic clocks based on linâ€–lin CPT. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 926-930.	1.7	7
106	A study of the hyperfine structure of Ta I lines based on Fourier transform spectra and laser-induced fluorescence. Physica Scripta, 2009, 80, 025301.	1.2	7
107	Modelling of emission spectra of Pr I by summarizing hyperfine patterns of overlapping spectral lines. European Physical Journal: Special Topics, 2013, 222, 2171-2178.	1.2	7
108	Electromagnetically induced transparency in a sodium vapour cell. European Physical Journal D, 1998, 2, 5.	0.6	7

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109	Hyperfine structure investigations of the tantaluml blend ?=6356.14 ï¿½. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1992, 23, 151-153.	1.0	6
110	Coherent population trapping beyond the rotating-wave approximation. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1995, 7, 449-454.	1.0	6
111	Adiabatic Transfer between Hyperfine Levels in Combined Electric and Magnetic Fields. Physical Review Letters, 1996, 77, 2190-2193.	2.9	6
112	Nonlinear alignment between conical emissions generated in a four-wave parametric mixing process. Applied Physics B: Lasers and Optics, 1998, 66, 175-180.	1.1	6
113	Cross-section for collisions of ultracold $ mathsf {^7}$ Li with Na. European Physical Journal D, 2002, 21, 101-104.	0.6	6
114	Coherent population trapping for magnetic field measurements. , 2005, , .		6
115	Classification of some blended spectral lines of praseodymium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 135001.	0.6	6
116	Extended analysis of the system of even configurations of Ta II. Atomic Data and Nuclear Data Tables, 2017, 113, 350-360.	0.9	6
117	Magnetic splitting of La I lines studied by means of fluorescence depletion spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 227, 185-189.	1.1	6
118	Investigation of the Hyperfine Structure of Atomic Niobium (Nb I) Spectral Lines Based on the Lower Energy Levels at 22936, 23010, and 23048 cm⁻¹. Spectral Analysis Review, 2018, 06, 43-52.	0.2	6
119	Stark effect of neon I - lines (II): designation of Stark levels according to theoretical results. Physica Scripta, 1989, 40, 740-744.	1.2	5
120	Untersuchungen des Starkeffektes bei Hohen FeldstÃrken. Contributions To Plasma Physics, 1991, 31, 143-165.	0.5	5
121	Stark- and Zeeman-effect of resonance lines of Ba I. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1996, 37, 149-153.	1.0	5
122	The LiHg X2Î£+â†’22II32 transition: excitation spectrum and rotational analysis of the vâ€³ = 0â^'vâ€² = 1 band. Chemical Physics Letters, 1996, 263, 463-470.	1.2	5
123	Mechanical detection of coherent population trapping on the sodium D1 line. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 239, 251-255.	0.9	5
124	Rotational Analysis of the LiHg 22Î3/2â€"X2Î£+1/2 (vâ€² = 0 â†•v" = 0, 1, 2) Vibronic Bands. Journal of Molecular Spectroscopy, 1999, 198, 94-101.	0.4	5
125	Control loops for a Coupled Dark State Magnetometer. , 2010, , .		5
126	New levels of Ta II with energies higher than 72,000 cm â^'1. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 149, 204-210.	1.1	5

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127	Magnetic splitting of lines of Pr I. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 219, 399-404.	1.1	5
128	Systematic investigations of the hyperfine structure constants of niobium I levels. Part II: Constants of upper odd parity energy levels between 31,056 and 42,000 cmâˆ'1 and discovery of two new levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 245, 106872.	1.1	5
129	New energy levels of atomic lanthanum with small total angular momentum quantum number discovered by laser spectroscopic methods in the near IR. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 253, 107100.	1.1	5
130	The sodium D2-line in crossed electric and magnetic fields. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1990, 15, 87-88.	1.0	4
131	The influence of momentum diffusion on laser cooling of atoms. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1994, 30, 23-30.	1.0	4
132	Lineshape changes in an optically thick Na vapour with a buffer gas. Optics Communications, 1994, 112, 289-295.	1.0	4
133	Spectropolarimetric effects induced by ion drift in a plasma. Physica Scripta, 1995, 52, 572-587.	1.2	4
134	Experimental investigation of the Stark effect of the level groups 7p, 6p' and 6d of neutral xenon. Physica Scripta, 1996, 54, 85-90.	1.2	4
135	Investigation of the hyperfine structure of Ta I lines (VI). European Physical Journal D, 2002, 18, 267-276.	0.6	4
136	Anticrossing effects in Stark spectra of helium. , 2005, , .		4
137	The Role of the Hyperfine Structure for the Determination of Improved Level Energies of Ta II, Pr II and La II. Atoms, 2017, 5, 10.	0.7	4
138	Hyperfine structure of atomic fluorine (F I). Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 205, 1-6.	1.1	4
139	Hyperfine structure investigations in atomic iodine. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 229-234.	1.1	4
140	Demonstrational Optics. , 2007, , .		4
141	A new version of the program fitter for fitting atomic hyperfine structure in optical spectra including the calculation of confidence intervals. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 290, 108294.	1.1	4
142	Optical Measurements Of Free Spectral Range And Spacing Of Plane And Confocal Fabry-Perot Interferometers. , 1987, , .		3
143	The sodium D2-line in electric and magnetic fields. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 27, 229-237.	1.0	3
144	The sodium D2-line in electric and magnetic fields. Part III: adiabatic hyperfine level transfer in perpendicularly crossed fields. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1994, 30, 13-18.	1.0	3

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145	The sodium D2-line in electric and magnetic fields. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1995, 33, 239-246.	1.0	3
146	Collision-induced fluorescence of Cs2: the 3 1Î£u+ â†’ X1Î£g+ system. Chemical Physics Letters, 1996, 249, 174-182.	1.2	3
147	Investigation of the hyperfine structure of143Nd+spectral lines using collinear laser ion beam spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 015003.	0.6	3
148	Isotope shifts in Sb I. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1921.	0.9	3
149	Revised energy levels and hyperfine structure constants of Ta I. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 512-536.	1.1	3
150	New Energy Levels of Neutral Lanthanum Derived from an Optogalvanic Spectrum between 5610 and 6110 Å…. Atoms, 2020, 8, 88.	0.7	3
151	Systematic investigations of the hyperfine structure constants of niobium I levels. Part III: High lying even parity levels (37,410â€“43,420Âcmâˆ’1) and discovery of a new level. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 245, 106871.	1.1	3
152	Investigation of the Zeemanâ€"hyperfine structure of atomic niobium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 259, 107413.	1.1	3
153	New odd-parity fine structure levels of Pr I with JÂ=Â1/2, 3/2 and 5/2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 272, 107832.	1.1	3
154	New even-parity energy levels of the neutral Lanthanum atom derived from difficult to interpret measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 273, 107843.	1.1	3
155	Title is missing!. European Physical Journal D, 2002, 18, 267-276.	0.6	3
156	Coherent Population Trapping in Open and Closed Systems. Acta Physica Polonica A, 2000, 97, 259-274.	0.2	3
157	The sodium D2-line in parallel electric and magnetic fields. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1989, 14, 361-362.	1.0	2
158	Production of the NaHg Molecule by Reactive Three-Body Collisions following Energy-Transferring Processes of Laser-Excited Na(3Â2P) Atoms. The Journal of Physical Chemistry, 1996, 100, 7078-7084.	2.9	2
159	Radiative Lifetimes ofnd3D2Excited States of Hg I. Physica Scripta, 1999, 60, 32-35.	1.2	2
160	Green bands of the CsHg molecule. Journal of Chemical Physics, 1999, 110, 8992-8999.	1.2	2
161	Study of the Laser Linewidth Influence on "lin Â¿ lin" Coherent Population Trapping. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , .	0.0	2
162	Semiclasical model of magneto-optical trap depth. European Physical Journal: Special Topics, 2007, 144, 265-271.	1.2	2

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163	Intensities of helium Stark lines in the region of levels anticrossing between n = 6 and n = 7. European Physical Journal: Special Topics, 2013, 222, 2301-2308.	1.2	2
164	Revised LandÃ© g-factors of some 141Pr II levels using collinear laser ion beam spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 267-273.	1.1	2
165	New energy levels of La I deduced from the investigation of red spectral lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 256, 107340.	1.1	2
166	New energy levels of La I found by laser spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 260, 107452.	1.1	2
167	Discovery of new even-parity fine structure levels of Pr I with angular momenta 1/2, 3/2, and 5/2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 267, 107619.	1.1	2
168	Laser Spectroscopy in Highly-Precisely Determined Electric Fields: Application to Sodium D1. Springer Series in Optical Sciences, 1985, , 104-105.	0.5	2
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