

# Per JÄnsson

## List of Publications by Year in descending order

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167  
papers

10,475  
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71102

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168  
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times ranked

6715  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple method for reconstructing a high-quality NDVI time-series data set based on the Savitzky-Golay filter. <i>Remote Sensing of Environment</i> , 2004, 91, 332-344.	11.0	1,679
2	TIMESAT—a program for analyzing time-series of satellite sensor data. <i>Computers and Geosciences</i> , 2004, 30, 833-845.	4.2	1,459
3	Seasonality extraction by function fitting to time-series of satellite sensor data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002, 40, 1824-1832.	6.3	983
4	The grasp2K relativistic atomic structure package. <i>Computer Physics Communications</i> , 2007, 177, 597-622.	7.5	550
5	New version: Grasp2K relativistic atomic structure package. <i>Computer Physics Communications</i> , 2013, 184, 2197-2203.	7.5	509
6	AVHRR derived phenological change in the Sahel and Soudan, Africa, 1982–2005. <i>Remote Sensing of Environment</i> , 2007, 108, 385-392.	11.0	282
7	Transition probability calculations for atoms using nonorthogonal orbitals. <i>Physical Review E</i> , 1995, 52, 4499-4508.	2.1	244
8	Detecting changes in vegetation trends using time series segmentation. <i>Remote Sensing of Environment</i> , 2015, 156, 182-195.	11.0	219
9	Advanced multiconfiguration methods for complex atoms: I. Energies and wave functions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 182004.	1.5	197
10	Performance of Smoothing Methods for Reconstructing NDVI Time-Series and Estimating Vegetation Phenology from MODIS Data. <i>Remote Sensing</i> , 2017, 9, 1271.	4.0	152
11	Annual changes in MODIS vegetation indices of Swedish coniferous forests in relation to snow dynamics and tree phenology. <i>Remote Sensing of Environment</i> , 2010, 114, 2719-2730.	11.0	131
12	Seasonality of vegetation fires as modified by human action: observing the deviation from eco-climatic fire regimes. <i>Global Ecology and Biogeography</i> , 2010, 19, 575-588.	5.8	126
13	HFS92: A program for relativistic atomic hyperfine structure calculations. <i>Computer Physics Communications</i> , 1996, 96, 301-310.	7.5	102
14	A Method for Robust Estimation of Vegetation Seasonality from Landsat and Sentinel-2 Time Series Data. <i>Remote Sensing</i> , 2018, 10, 635.	4.0	95
15	A ground-validated NDVI dataset for monitoring vegetation dynamics and mapping phenology in Fennoscandia and the Kola peninsula. <i>International Journal of Remote Sensing</i> , 2007, 28, 4311-4330.	2.9	87
16	JJ2LSJ Transformation and Unique Labeling for Energy Levels. <i>Atoms</i> , 2017, 5, 6.	1.6	82
17	Hyperfine Induced Transitions as Diagnostics of Isotopic Composition and Densities of Low-Density Plasmas. <i>Astrophysical Journal</i> , 1998, 500, 507-521.	4.5	76
18	JJGEN: A flexible program for generating lists of jj-coupled configuration state functions. <i>Computer Physics Communications</i> , 2007, 177, 539-550.	7.5	75

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19	Evaluating satellite and climate data-derived indices as fire risk indicators in savanna ecosystems. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 1622-1632.	6.3	68
20	Accurate multiconfiguration Dirac - Fock calculations of transition probabilities in the Mg isoelectronic sequence. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 5861-5875.	1.5	64
21	Large-scale multiconfiguration Hartree-Fock and configuration-interaction calculations of the transition probability and hyperfine structures in the sodium resonance transition. Physical Review A, 1996, 53, 4021-4030.	2.5	63
22	Non-relativistic variational calculations of atomic properties in Li-like ions: Lito OVI. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 1079-1104.	1.5	61
23	MCHF calculations of isotope shifts and oscillator strengths for transitions between low-lying states in Be-like systems and neutral magnesium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 1233-1245.	1.5	58
24	Convergence studies of atomic properties from variational methods: total energy, ionization energy, specific mass shift, and hyperfine parameters for Li. Physica Scripta, 1993, 48, 446-453.	2.5	56
25	HFSZEEMAN A program for computing weak and intermediate field fine and hyperfine structure Zeeman splittings from MCDHF wave functions. Computer Physics Communications, 2008, 178, 156-170.	7.5	50
26	ris3: A program for relativistic isotope shift calculations. Computer Physics Communications, 2013, 184, 2187-2196.	7.5	50
27	On the status and perspectives of MCDF calculations and measurements of transition data in the Be isoelectronic sequence. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 3497-3511.	1.5	49
28	Are MCDF calculations 101% correct in the super-heavy elements range?. Theoretical Chemistry Accounts, 2011, 129, 495-505.	1.4	49
29	Multiconfiguration Dirac-Fock calculations of the $2s2p^3$ intercombination transition in C III. Physical Review A, 1998, 57, 4967-4970.	2.5	47
30	Mapping fractional forest cover across the highlands of mainland Southeast Asia using MODIS data and regression tree modelling. International Journal of Remote Sensing, 2007, 28, 23-46.	2.9	46
31	Estimating net primary production for Scandinavian forests using data from Terra/MODIS. Advances in Space Research, 2007, 39, 125-130.	2.6	46
32	Energies and E1, M1, E2, M2 transition rates for states of the $2s2p^2$ , $2s2p^2$ , and $2p^3$ configurations in boron-like ions between N III and Zn XXVI. Atomic Data and Nuclear Data Tables, 2012, 98, 481-556.	2.4	45
33	New satellite-based estimates show significant trends in spring phenology and complex sensitivities to temperature and precipitation at northern European latitudes. International Journal of Biometeorology, 2019, 63, 763-775.	3.0	45
34	Harmonic generation beyond the saturation intensity in helium. Physical Review A, 1995, 51, 3148-3153.	2.5	44
35	Nuclear quadrupole moment of $^{201}\text{Hg}$ . Physical Review A, 2005, 71, .	2.5	44
36	Hyperfine structures and Landé $g$ factors for $ns$ states in beryllium-, boron-, carbon-, and nitrogen-like ions from r. Atomic Data and Nuclear Data Tables	2.4	44

#	ARTICLE	IF	CITATIONS
37	Isotope shifts in beryllium-, boron-, carbon-, and nitrogen-like ions from relativistic configuration interaction calculations. Atomic Data and Nuclear Data Tables, 2014, 100, 1197-1249.	2.4	44
38	CALCULATIONS WITH SPECTROSCOPIC ACCURACY: ENERGIES AND TRANSITION RATES IN THE NITROGEN ISOELECTRONIC SEQUENCE FROM Ar XII TO Zn XXIV. Astrophysical Journal, Supplement Series, 2016, 223, 3.	7.7	44
39	Large multiconfigurational Hartree-Fock calculations on the hyperfine-structure constants of the Li 7s2S and 2p2P states. Physical Review A, 1992, 46, 2420-2425.	2.5	43
40	Experimental and theoretical oscillator strengths of Mg $\sigma$ for accurate abundance analysis. Astronomy and Astrophysics, 2017, 598, A102.	5.1	43
41	Relativistic CI calculations of spectroscopic data for the $2s^2$ and $2s2p$ configurations in carbon-like ions between F IV and Ni XXIII. Atomic Data and Nuclear Data Tables, 2014, 100, 1-154.	2.4	42
42	EXTENDED RELATIVISTIC CONFIGURATION INTERACTION AND MANY-BODY PERTURBATION CALCULATIONS OF SPECTROSCOPIC DATA FOR THE $3d^6$ CONFIGURATIONS IN Ne-LIKE IONS BETWEEN Cr xv AND Kr xxvii. Astrophysical Journal, Supplement Series, 2016, 226, 14.	7.7	42
43	Large-scale multiconfiguration Hartree-Fock calculations of hyperfine-interaction constants for low-lying states in beryllium, boron, and carbon. Physical Review A, 1993, 48, 4113-4123.	2.5	40
44	Multiconfiguration Dirac-Hartree-Fock Calculations with Spectroscopic Accuracy: Applications to Astrophysics. Atoms, 2017, 5, 16.	1.6	40
45	Energies and E1, M1, E2 transition rates for states of the $2s^2$ and $2s2p$ configurations in carbon-like ions between F IV and Ni XXIII. Atomic Data and Nuclear Data Tables, 2013, 99, 431-446.	2.4	39
46	TIMESAT: A Software Package for Time-Series Processing and Assessment of Vegetation Dynamics. Remote Sensing and Digital Image Processing, 2015, , 141-158.	0.7	39
47	EXTENDED CALCULATIONS WITH SPECTROSCOPIC ACCURACY: ENERGY LEVELS AND TRANSITION PROPERTIES FOR THE FLUORINE-LIKE ISOELECTRONIC SEQUENCE WITH $Z = 24-30$ . Astrophysical Journal, Supplement Series, 2016, 227, 16.	7.7	39
48	A program for computing magnetic dipole and electric quadrupole hyperfine constants from MCHF wavefunctions. Computer Physics Communications, 1993, 74, 399-414.	7.5	38
49	Tensorial form and matrix elements of the relativistic nuclear recoil operator. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175003.	1.5	38
50	Effects of core-valence and core-core correlation on the line strength of the resonance lines in Li I and Na I. Physical Review A, 1994, 49, 2181-2184.	2.5	37
51	MCHF calculations for atomic properties. Computer Physics Communications, 1994, 84, 37-58.	7.5	37
52	A NOVEL METHOD TO DETERMINE MAGNETIC FIELDS IN LOW-DENSITY PLASMA FACILITATED THROUGH ACCIDENTAL DEGENERACY OF QUANTUM STATES IN Fe $9+$ . Astrophysical Journal, 2015, 807, 69.	4.5	37
53	Multi-configuration Hartree- and Dirac-Fock calculations of atomic hyperfine structures. Physica Scripta, 1993, 48, 678-687.	2.5	36
54	Energies, E1, M1, and E2 transition rates, hyperfine structures, and Landé $g$ factors for states of the $2s2p^2$ , $2s2p^3$ , and $2p^4$ configurations in carbon-like ions between F IV and Ni XXIII. Atomic Data and Nuclear Data Tables, 2011, 97, 648-691.	2.4	36

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55	Large-scale multiconfiguration Dirac-Fock calculations of the hyperfine-structure constants of the $2s2S1/2$ , $2p2P1/2$ , and $2p2P3/2$ states of lithium. <i>Physical Review A</i> , 1996, 53, 2181-2188.	2.5	35
56	Abundances of disk and bulge giants from high-resolution optical spectra. <i>Astronomy and Astrophysics</i> , 2017, 598, A100.	5.1	35
57	MF-Dependent Lifetimes due to Hyperfine Induced Interference Effects. <i>Physical Review Letters</i> , 2006, 97, 183001.	7.8	34
58	Calculations with spectroscopic accuracy for energies, transition rates, hyperfine interaction constants, and $\text{Landé } g$ -factors in nitrogen-like Kr XXX. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 187, 375-402.	2.3	33
59	Mass- and field-shift isotope parameters for the $2s^2$ doublet of lithiumlike ions. <i>Physical Review A</i> , 2012, 86, .	2.5	32
60	Accurate calculations of transition probabilities, isotope shifts and hyperfine structures for some allowed - transitions in B I, C II and C I. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 2393-2412.	1.5	31
61	Multiconfiguration Hartree-Fock calculations of atomic properties in light atoms. <i>Physica Scripta</i> , 1996, T65, 70-83.	2.5	31
62	Goddard High-Resolution Spectrograph Observations of the $\text{B III}$ Resonance Doublet in Early B Stars: Abundances and Isotope Ratios. <i>Astrophysical Journal</i> , 1999, 516, 342-348.	4.5	30
63	Calculations with spectroscopic accuracy: energies, transition rates, and $\text{Landé } g$ -factors in the carbon isoelectronic sequence from Ar XIII to Zn XXV. <i>Astronomy and Astrophysics</i> , 2014, 564, A24.	5.1	30
64	Effects of electron correlation, relativity, and nuclear structure on hyperfine constants of $\text{Be}^+$ and $\text{F}^6+$ . <i>Physical Review A</i> , 1999, 60, 3547-3557.	2.5	29
65	$\text{Landé } g$ factors for $2p^4(3P)3p$ and $2p^4(3P)3d$ states of Ne II. <i>Computational and Theoretical Chemistry</i> , 2001, 537, 55-62.	1.5	29
66	Complete-active-space multiconfiguration Dirac-Hartree-Fock calculations of hyperfine-structure constants of the gold atom. <i>Physical Review A</i> , 2009, 79, .	2.5	29
67	A partitioned correlation function interaction approach for describing electron correlation in atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 085003.	1.5	29
68	An Empirical Assessment of the MODIS Land Cover Dynamics and TIMESAT Land Surface Phenology Algorithms. <i>Remote Sensing</i> , 2019, 11, 2201.	4.0	29
69	Large-scale multiconfiguration Dirac-Fock calculations of hyperfine interaction constants for $d^2$ levels of $\text{Sc}^+$ and $\text{Y}^+$ . <i>Physical Review A</i> , 1995, 51, 4603-4610.	2.5	28
70	Accurate Multiconfiguration Hartree-Fock Calculations of Oscillator Strengths in Light Atoms: The Boron (B II) Line at 1362 Angstrom. <i>Astrophysical Journal</i> , 1995, 450, 473.	4.5	28
71	Multi-configuration Hartree-Fock calculations and time-resolved laser spectroscopy studies of hyperfine structure constants in sodium. <i>Physica Scripta</i> , 1992, 46, 394-398.	2.5	27
72	Large-scale multiconfiguration Hartree-Fock and configuration-interaction calculations of isotope shifts and hyperfine structures in boron. <i>Physical Review A</i> , 1994, 50, 3080-3088.	2.5	27

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73	Exploring biorthonormal transformations of pair-correlation functions in atomic structure variational calculations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 074017.	1.5	27
74	Energies and E1, M1, E2, and M2 transition rates for states of the 2s22p3, 2s2p4, and 2p5 configurations in nitrogen-like ions between F III and Kr XXX. <i>Atomic Data and Nuclear Data Tables</i> , 2014, 100, 315-402.	2.4	27
75	Atomic Structure Variational Calculations in Spectroscopy. <i>Physica Scripta</i> , 1998, T78, 33.	2.5	26
76	Lifetimes and transition probabilities of the boron atom calculated with the active-space multiconfiguration Hartree-Fock method. <i>Physical Review A</i> , 1994, 49, 3426-3431.	2.5	25
77	Multiconfigurational Hartree-Fock calculations of hyperfine-induced transitions in heliumlike ions. <i>Physical Review A</i> , 1995, 51, 2031-2039.	2.5	25
78	TIMESAT for Processing Time-Series Data from Satellite Sensors for Land Surface Monitoring. <i>Remote Sensing and Digital Image Processing</i> , 2016, , 177-194.	0.7	24
79	Structural trends in atomic nuclei from laser spectroscopy of tin. <i>Communications Physics</i> , 2020, 3, .	5.3	24
80	Effects of the electron correlation and Breit and hyperfine interactions on the lifetime of the 2p53s states in neutral neon. <i>Physical Review A</i> , 2012, 86, .	2.5	23
81	Accurate calculation of the isotope shift and hyperfine structure in the boron (B II) line at 1362 Å. <i>Astrophysical Journal</i> , 1994, 429, L45.	4.5	23
82	Studies of resolidification of non-thermally molten InSb using time-resolved X-ray diffraction. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 893-900.	2.3	22
83	Relativistic configuration interaction calculations of energy levels, isotope shifts, hyperfine structures, and transition rates in the 2s<sup>2</sup>2p<sup>2</sup>â€“2s2p<sup>3</sup> transition array for the carbon-like sequence. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 074023.	1.5	22
84	MCDHF and RCI calculations of energy levels, lifetimes and transition rates for 3l3l</i>â€², 3l4l</i>â€², and 3s5l</i> states in Ca IX â€“ As XXII and Krâ€“XXV. <i>Astronomy and Astrophysics</i> , 2017, 597, A76.	5.1	21
85	Comment on “Theoretical Confirmation of the Low Experimental Value Ratio in Fe xviiâ€“. <i>Physical Review Letters</i> , 2017, 119, 189301.	7.8	21
86	Coulomb (Velocity) Gauge Recommended in Multiconfiguration Calculations of Transition Data Involving Rydberg Series. <i>Atoms</i> , 2019, 7, 106.	1.6	21
87	Accurate multiconfiguration Hartree-Fock calculations of isotope shifts in C I and C IV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 3729-3740.	1.5	20
88	Unexpected transitions induced by spin-dependent, hyperfine and external magnetic-field interactions. <i>Physica Scripta</i> , 2014, 89, 114002.	2.5	20
89	Precision measurements and calculations in the B II spectrum: Wavelengths, isotope shifts, and oscillator strengths. <i>Physical Review A</i> , 1998, 57, 2477-2484.	2.5	19
90	Energy levels and transition rates for the boron isoelectronic sequence: Si X, Ti XVIII â€“ Cu XXV. <i>Astronomy and Astrophysics</i> , 2013, 559, A100.	5.1	19

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91	SMS92: a program for relativistic isotope shift calculations. <i>Computer Physics Communications</i> , 1997, 100, 81-92.	7.5	18
92	Hyperfine induced interference effects in the $4s4d3D2 \rightarrow 4s4f3F2,3$ transitions in Ga II. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4239-4247.	1.5	18
93	Multiconfiguration Dirac-Hartree-Fock calculations of the electric dipole moment of radium induced by the nuclear Schiff moment. <i>Physical Review A</i> , 2009, 80, .	2.5	18
94	Two-electron one-photon M1 and E2 transitions between the states of the $2p^3$ and $2s^2 2p$ odd configurations for B-like ions with $18 \leq Z \leq 92$ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 035005.	1.5	18
95	Doublet-quartet energy separation in boron: A partitioned-correlation-function-interaction method. <i>Physical Review A</i> , 2013, 88, .	2.5	18
96	Effect of an external magnetic field on the determination of E1M1 two-photon decay rates in Be-like ions. <i>Physical Review A</i> , 2013, 88, .	2.5	18
97	Multiconfiguration Dirac-Hartree-Fock calculations of atomic electric dipole moments of Ra225, Hg199, and Yb171. <i>Physical Review A</i> , 2014, 90, .	2.5	18
98	Ab initio MCDHF calculations of electron-nucleus interactions. <i>Physica Scripta</i> , 2015, 90, 054011.	2.5	18
99	Energy level structure of Er <sup>3+</sup> . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 152, 94-106.	2.3	18
100	Accurate multiconfiguration calculations of energy levels, lifetimes, and transition rates for the silicon isoelectronic sequence. <i>Astronomy and Astrophysics</i> , 2016, 585, A26.	5.1	18
101	A stochastic cascade model for Auger-electron emitting radionuclides. <i>International Journal of Radiation Biology</i> , 2016, 92, 641-653.	1.8	18
102	Core Effects on Transition Energies for $3d^k$ Configurations in Tungsten Ions. <i>Atoms</i> , 2017, 5, 7.	1.6	18
103	Hfszeeman95: A program for computing weak and intermediate magnetic-field- and hyperfine-induced transition rates. <i>Computer Physics Communications</i> , 2020, 253, 107211.	7.5	18
104	The $\sigma$ -resonance line in neutral beryllium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 4347-4363.	1.5	17
105	Multiconfiguration Dirac-Hartree-Fock calculations of transition rates and lifetimes of the eight lowest excited levels of radium. <i>European Physical Journal: Special Topics</i> , 2007, 144, 75-84.	2.6	17
106	Comment on the magnetic dipole hyperfine interaction in the gold atom ground state. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 115002.	1.5	17
107	Hyperfine structures, isotope shifts, and transition rates of C II, N III, and O IV from relativistic configuration interaction calculations. <i>Atomic Data and Nuclear Data Tables</i> , 2010, 96, 271-298.	2.4	17
108	Multiconfiguration calculations of electronic isotope shift factors in Al I. <i>Physical Review A</i> , 2016, 94, .	2.5	17

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109	<a href="#">Theoretical investigation of magnetic-field-induced hyperfine splitting in the <math>2s^2 2p^4</math> configuration of oxygen-like ions</a> . Physical Review A, 2017, 96, .	2.5	16
110	<a href="#">Multiconfiguration calculations of electronic isotope-shift factors in Zn-like ions</a> . Physical Review A, 2017, 96, .	2.5	16
111	<a href="#">Experimental and theoretical investigations of radiative lifetimes in the sand sequences of neutral boron</a> . Physical Review A, 2001, 63, .	2.5	15
112	<a href="#">Hyperfine quenching of the <math>3s3p^3P_0</math> level in Mg-like ions</a> . Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 195002.	1.5	15
113	<a href="#">Energies and E1, M1, E2, and M2 transition rates for states of the <math>2s^2 2p^4</math>, <math>2s2p^5</math>, and <math>2p^6</math> configurations in oxygen-like ions between F II and Kr XXIX</a> . Astronomy and Astrophysics, 2013, 557, A136.	5.1	15
114	<a href="#">Core correlation effects in multiconfiguration calculations of isotope shifts in Mg-like ions</a> . Physical Review A, 2016, 93, .	2.5	15
115	<a href="#">Combining Multiconfiguration and Perturbation Methods: Perturbative Estimates of Core Core Electron Correlation Contributions to Excitation Energies in Mg-Like Iron</a> . Atoms, 2017, 5, 3.	1.6	15
116	<a href="#">Spectral properties of In II from MCDHF calculations</a> . Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 2417-2433.	1.5	14
117	<a href="#">Measurement of the Kr xviii3d2D5/2 lifetime at low energy in a unitary Penning trap</a> . Physical Review A, 2014, 89, .	2.5	14
118	<a href="#">Some two-electron properties of sodium</a> . Physical Review A, 1998, 57, 1753-1758.	2.5	13
119	<a href="#">Ab initio calculations of <math>^{14}\text{N}</math> and <math>^{15}\text{N}</math> hyperfine structures</a> . Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 115006.	1.5	13
120	<a href="#">Energy levels and radiative data for Kr-like <math>W^{38+}</math> from MCDHF and RMBPT calculations</a> . Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 135003.	1.5	13
121	<a href="#">Multiconfiguration Hartree-Fock calculations of low-lying excited <math>2S</math> states in lithium</a> . Physical Review A, 1995, 52, 4262-4265.	2.5	12
122	<a href="#">Theoretical studies of isotope shifts, hyperfine structures and oscillator strengths in transitions between low-lying levels in O I</a> . Molecular Physics, 2000, 98, 1141-1149.	1.7	12
123	<a href="#">Extended calculations of level and transition properties in the nitrogen isoelectronic sequence: Cr XVIII, Fe XX, Ni XXII, and Zn XXIV</a> . Astronomy and Astrophysics, 2015, 582, A61.	5.1	12
124	<a href="#">Electric dipole moments of superheavy elements: A case study on copernicium</a> . Physical Review A, 2016, 93, .	2.5	12
125	<a href="#">Modelling Daily Gross Primary Productivity with Sentinel-2 Data in the Nordic Region – Comparison with Data from MODIS</a> . Remote Sensing, 2021, 13, 469.	4.0	12
126	<a href="#">Benchmarking calculations with spectroscopic accuracy of level energies and wavelengths in W LVII-like W LXII tungsten ions</a> . Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 269, 107650.	2.3	12



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127	A program for computing weak and intermediate field Zeeman splittings from MCHF wave functions. Computer Physics Communications, 2002, 144, 188-199.	7.5	11
128	Multiconfiguration Dirac-Hartree-Fock calculations for intercombination lines in silicon-like ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 503-508.	1.5	11
129	Large-scale Multiconfiguration Dirac-Hartree-Fock and Relativistic Configuration Interaction Calculations of Transition Data for B-like S xii. Astrophysical Journal, 2018, 864, 127.	4.5	11
130	<i>Ab initio</i> calculations of the hyperfine structure of zinc and evaluation of the nuclear quadrupole moment $Q = \frac{1}{2} \left( \frac{2}{3} \langle r^{-2} \rangle - \langle r^{-2} \cos^2 \theta \rangle \right)$	2.5	11
131	Physical Review A, 2018, 97, . SEASONALITY EXTRACTION FROM TIME-SERIES OF SATELLITE SENSOR DATA. , 2003, , 487-500.		11
132	Saturation spectra of low lying states of Nitrogen: reconciling experiment with theory. European Physical Journal D, 2010, 60, 231-242.	1.3	10
133	A priori calculations of hyperfine interactions in highly ionized atoms: g-factor measurements on aligned pico-second states populated in nuclear reactions. Hyperfine Interactions, 2010, 197, 29-35.	0.5	10
134	On the breakdown of the Dirac kinetic energy operator for estimating normal mass shifts. European Physical Journal D, 2012, 66, 1.	1.3	10
135	Spectral Lines for Polarization Measurements of the Coronal Magnetic Field. III. Atomic Data for Siix. Astrophysical Journal, 2000, 540, 1114-1118.	4.5	9
136	Oscillator strengths and hyperfine structures in Ga II from multiconfiguration Dirac-Hartree-Fock calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1813-1824.	1.5	9
137	Investigating modelled and observed Terra/MODIS 500-m reflectance data for viewing and illumination effects. Advances in Space Research, 2007, 39, 119-124.	2.6	9
138	-dependent hyperfine induced transition rates in an external magnetic field for Be-like 47Ti18+. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 914-917.	2.1	9
139	Benchmarking calculations with spectroscopic accuracy of excitation energies and wavelengths in sulfur-like tungsten. Physical Review A, 2020, 101, .	2.5	9
140	Benchmarking calculations of wavelengths and transition rates with spectroscopic accuracy for W xlviii through W lvi tungsten ions. Physical Review A, 2022, 105, .	2.5	9
141	The Landé g-factor in atomic spectroscopy. Molecular Physics, 2004, 102, 1177-1184.	1.7	8
142	PLASMA DIAGNOSTIC POTENTIAL OF $2p \rightarrow 4f$ IN $N^{N+}$ ACCURATE WAVELENGTHS AND OSCILLATOR STRENGTHS. Astrophysical Journal, 2015, 801, 129.	4.5	8
143	Hyperfine induced $S_{1/2} S_{3/2} \rightarrow S_{1/2} S_{1/2}$ transition of He-like ions. European Physical Journal D, 2009, 51, 313-317.	1.3	7
144	Theoretical hyperfine structures of $F$ and $O$ $F = \frac{1}{2} \left( \frac{2}{3} \langle r^{-2} \rangle - \langle r^{-2} \cos^2 \theta \rangle \right)$ $O = \frac{1}{2} \left( \frac{2}{3} \langle r^{-2} \rangle - \langle r^{-2} \cos^2 \theta \rangle \right)$	2.5	7

#	ARTICLE	IF	CITATIONS
145	Natural orbitals in multiconfiguration calculations of hyperfine-structure parameters. Physical Review A, 2020, 101, .	2.5	7
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