Per JÃ¶nsson

List of Publications by Year
in descending order

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167	10,475	71102 41	34986 98
papers	citations	h-index	g-index

168	168	168	6715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Modelling Daily Gross Primary Productivity with Sentinel-2 Data in the Nordic Regionâ€“Comparison with Data from MODIS. Remote Sensing, 2021, 13, 469.	4.0	12
3	Ab initio electronic factors of the A and B hyperfine structure constants for the 5s25p6sP1o1,3 states in Sn i. Physical Review A, 2021, 103, .	2.5	5
4	Benchmarking calculations with spectroscopic accuracy of level energies and wavelengths in W LVIIâ€“W LXII tungsten ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 269, 107650.	2.3	12
5	Weak correlation and strong relativistic effects on the hyperfine interaction in fluorine. Physical Review A, 2021, 104, .	2.5	4
6	Natural orbitals in multiconfiguration calculations of hyperfine-structure parameters. Physical Review A, 2020, 101, .	2.5	7
7	Structural trends in atomic nuclei from laser spectroscopy of tin. Communications Physics, 2020, 3, .	5.3	24
8	Hfszeeman95â€”A program for computing weak and intermediate magnetic-field- and hyperfine-induced transition rates. Computer Physics Communications, 2020, 253, 107211.	7.5	18
9	Benchmarking calculations with spectroscopic accuracy of excitation energies and wavelengths in sulfur-like tungsten. Physical Review A, 2020, 101, .	2.5	9
10	An Empirical Assessment of the MODIS Land Cover Dynamics and TIMESAT Land Surface Phenology Algorithms. Remote Sensing, 2019, 11, 2201.	4.0	29
11	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
12	Coulomb (Velocity) Gauge Recommended in Multiconfiguration Calculations of Transition Data Involving Rydberg Series. Atoms, 2019, 7, 106.	1.6	21
13	Intercombination transition rates in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi mathvariant="normal">N</mml:mi></mml:mrow><mml:mo>+</mml:mo></mml:msup></mml:math>. Physical Review A, 2018, 97, .	2.5	5
14	Theoretical hyperfine structures of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mn>19</mml:mn></mml:mmultiscripts></mml:math> i and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>17</mml:mn></mml:mmu	2.5	7
15	Large-scale Multiconfiguration Diracâ€“Hartreeâ€“Fock and Relativistic Configuration Interaction Calculations of Transition Data for B-like S xii. Astrophysical Journal, 2018, 864, 127.	4.5	11
16	A Method for Robust Estimation of Vegetation Seasonality from Landsat and Sentinel-2 Time Series Data. Remote Sensing, 2018, 10, 635.	4.0	95
17	Ab initio calculations of the hyperfine structure of zinc and evaluation of the nuclear quadrupole moment <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Q</mml:mi><mml:mo>(</mml:mo><mml:mmultiscript	2.5	11
18	Physical Review A, 2018, 97, . MCDHF and RCI calculations of energy levels, lifetimes and transition rates for3l3lâ€²,3l4lâ€², and3s5lstates in Ca IX â€“ As XXII and Krâ€°XXV. Astronomy and Astrophysics, 2017, 597, A76.	5.1	21

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19	Multiconfiguration calculations of electronic isotope-shift factors in Znâ€‰i. Physical Review A, 2017, 96, .	2.5	16
20	Magnetic-field- and hyperfine-induced <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>P</mml:mi><mml:mn>0</mml:mn><mml:none /><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts><mml:mo>â^’</mml:mo><mml:mmultiscripts><mml:mi>S</mml:mi><mml:mn>0</mml:mn><mml:none /><mml:mprescripts /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>3</mml:mn><mml:mi>C</mml:mi><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:math> -Value Ratio in Fe xviiâ€. Physical Review Letters, 2017, 119, .	7.8	21
21	Calculations with spectroscopic accuracy for energies, transition rates, hyperfine interaction constants, and LandÃ© g -factors in nitrogen-like Kr XXX. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 375-402.	2.3	33
22	Abundances of disk and bulge giants from high-resolution optical spectra. Astronomy and Astrophysics, 2017, 598, A100.	5.1	35
23	Performance of Smoothing Methods for Reconstructing NDVI Time-Series and Estimating Vegetation Phenology from MODIS Data. Remote Sensing, 2017, 9, 1271.	4.0	152
24	Core Effects on Transition Energies for 3dk Conï¬gurations in Tungsten Ions. Atoms, 2017, 5, 7.	1.6	18
25	Multiconfiguration Dirac-Hartree-Fock Calculations with Spectroscopic Accuracy: Applications to Astrophysics. Atoms, 2017, 5, 16.	1.6	40
26	Combining Multiconfiguration and Perturbation Methods: Perturbative Estimates of Coreâ€“Core Electron Correlation Contributions to Excitation Energies in Mg-Like Iron. Atoms, 2017, 5, 3.	1.6	15
27	Experimental and theoretical oscillator strengths of Mgâ€‰i for accurate abundance analysis. Astronomy and Astrophysics, 2017, 598, A102.	5.1	43
28	JJ2LSJ Transformation and Unique Labeling for Energy Levels. Atoms, 2017, 5, 6.	1.6	82
29	TIMESAT for Processing Time-Series Data from Satellite Sensors for Land Surface Monitoring. Remote Sensing and Digital Image Processing, 2016, , 177-194.	0.7	24
30	Accurate multiconfiguration calculations of energy levels, lifetimes, and transition rates for the silicon isoelectronic sequence. Astronomy and Astrophysics, 2016, 585, A26.	5.1	18
31	Multiconfiguration calculations of electronic isotope shift factors in Al i. Physical Review A, 2016, 94, .	2.5	17
32	EXTENDED CALCULATIONS WITH SPECTROSCOPIC ACCURACY: ENERGY LEVELS AND TRANSITION PROPERTIES FOR THE FLUORINE-LIKE ISOELECTRONIC SEQUENCE WITH Z = 24â€“30. Astrophysical Journal, Supplement Series, 2016, 227, 16.	7.7	39
33	A stochastic cascade model for Auger-electron emitting radionuclides. International Journal of Radiation Biology, 2016, 92, 641-653.	1.8	18
34	Advanced multiconfiguration methods for complex atoms: I. Energies and wave functions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 182004.	1.5	197
35	Electric dipole moments of superheavy elements: A case study on copernicium. Physical Review A, 2016, 93, .	2.5	12
36			

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37	Core correlation effects in multiconfiguration calculations of isotope shifts in MgÂi. Physical Review A, 2016, 93, .	2.5	15
38	EXTENDED RELATIVISTIC CONFIGURATION INTERACTION AND MANY-BODY PERTURBATION CALCULATIONS OF SPECTROSCOPIC DATA FOR THE NÂâ‰Â6 CONFIGURATIONS IN Ne-LIKE IONS BETWEEN Cr xv AND Kr xxvii. Astrophysical Journal, Supplement Series, 2016, 226, 14.	7.7	42
39	Energy levels and radiative data for Kr-like W³⁸⁺from MCDHF and RMBPT calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 135003.	1.5	13
40	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
41	Extended calculations of level and transition properties in the nitrogen isoelectronic sequence: Cr XVIII, Fe XX, Ni XXII, and Zn XXIV. Astronomy and Astrophysics, 2015, 582, A61.	5.1	12
42	MCDHF Calculations and Beam-Foil EUV Spectra of Boron-Like Sodium Ions (Na VII). Atoms, 2015, 3, 195-259.	1.6	5
43	Energy level structure of the ground configuration in the Er3+free ion. Physica Scripta, 2015, 90, 054001.	2.5	5
44	Calibration of Recoil-In-Vacuum attenuations from first principles: comparison with recent experimental data on Fe isotopes. Hyperfine Interactions, 2015, 230, 169-174.	0.5	1
45	Weak- and hyperfine-interaction-induced 1s2s 1 S 0 â† 1s 2 1 S 0 E1 transition rates of He-like ions. Chinese Physics B, 2015, 24, 043103.	1.4	4
46	PLASMA DIAGNOSTIC POTENTIAL OF 2p4fIN N⁺â€"ACCURATE WAVELENGTHS AND OSCILLATOR STRENGTHS. Astrophysical Journal, 2015, 801, 129.	4.5	8
47	Ab initioMCDHF calculations of electronâ€"nucleus interactions. Physica Scripta, 2015, 90, 054011.	2.5	18
48	A NOVEL METHOD TO DETERMINE MAGNETIC FIELDS IN LOW-DENSITY PLASMA FACILITATED THROUGH ACCIDENTAL DEGENERACY OF QUANTUM STATES IN Fe⁹⁺. Astrophysical Journal, 2015, 807, 69.	4.5	37
49	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
50	HYPERFINE-DEPENDENT gf -VALUES OF Mn I LINES IN THE 1.49-1.80 Î¼m H BAND. Astrophysical Journal, Supplement Series, 2015, 216, 2.	7.7	6
51	Energy level structure of Er3+. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 152, 94-106.	2.3	18
52	Detecting changes in vegetation trends using time series segmentation. Remote Sensing of Environment, 2015, 156, 182-195.	11.0	219
53	Magnetic field induced transition rates in Ne- and Be-like ions for plasma diagnostics and E1M1 two-photon decay rate determination. Journal of Physics: Conference Series, 2014, 488, 152005.	0.4	1
54	Magnetic-field-dependent angular distributions and linear polarizations of emissions from the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:msup><mml:mi>p</mml:mi><mml:mn width="0.16em" /><mml:mn>3</mml:mn></mml:msup><mml:msubsup><mml:mi>P</mml:mi><mml:mn>2</mml:mn><mml:mi>o</mml:mi></mml:msub in Ne-like ions. Physical Review A, 2014, 90, .	2.5	5

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55	Measurement of the Kr xviii3d2D5/2lifetime at low energy in a unitary Penning trap. Physical Review A, 2014, 89, .	2.5	14
56	Unexpected transitions induced by spin-dependent, hyperfine and external magnetic-field interactions. Physica Scripta, 2014, 89, 114002.	2.5	20
57	Relativistic CI calculations of spectroscopic data for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2917.gif" display="inline" overflow="scroll"><mml:mn>2</mml:mn><mml:msup><mml:mrow><mml:mi>p</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2918.gif" display="inline" overflow="scroll"><mml:mn>2</mml:mn><mml:msup><mml:mrow><mml:mi>p</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn> Atomic Data and Nuclear Data Tables, 2014, 100, 1-154.	2.4	42
58	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. Atomic Data and Nuclear Data Tables, 2014, 100, 315-402.	2.4	27
59	Multiconfiguration Dirac-Hartree-Fock calculations of atomic electric dipole moments ofRa225,Hg199, andYb171. Physical Review A, 2014, 90, .	2.5	18
60	Hyperfine structures and LandÃ© <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2387.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>g</mml:mi></mml:mrow><mml:mrow><mml:mi>J</mml:mi></mml:mrow></mml for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2388.gif" display="inline" overflow="scroll"><mml:mi>n</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:math> states in beryllium-, boron-, carbon-, and nitrogen-like ions from r. Atomic Data and Nuclear Data Tabl	2.4	44
61	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
62	Calculations with spectroscopic accuracy: energies, transition rates, and LandÃ©g_J-factors in the carbon isoelectronic sequence from Ar XIII to Zn XXV. Astronomy and Astrophysics, 2014, 564, A24.	5.1	30
63	ris3: A program for relativistic isotope shift calculations. Computer Physics Communications, 2013, 184, 2187-2196.	7.5	50
64	Theoretical investigation of magnetic-field-induced<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:msup><mml:mi>p</mml:mi><mml:mn>5</mml:mn></mml:msup><mml:mn xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mn>3</mml:mn></mml:msup><mml:msub><mml:mi>P</mml:mi><mml:mrow><mml:mn>0</mml:mn><mml:mo>,	2.5	16
65	A partitioned correlation function interaction approach for describing electron correlation in atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 085003.	1.5	29
66	Doublet-quartet energy separation in boron: A partitioned-correlation-function-interaction method. Physical Review A, 2013, 88, .	2.5	18
67	New version: Grasp2K relativistic atomic structure package. Computer Physics Communications, 2013, 184, 2197-2203.	7.5	509
68	Energies and E1, M1, E2 transition rates for states of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si634.gif" display="inline" overflow="scroll"><mml:mn>2</mml:mn><mml:msup><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si635.gif" display="inline">. Atomic Data and Nuclear Data Tables, 2013, 99, 431-446.	2.4	39
69	Accurate transition probabilities from large-scale multiconfiguration calculations - A tribute to Charlotte Froese Fischer. , 2013, , .		2
70	Effect of an external magnetic field on the determination of E1M1 two-photon decay rates in Be-like ions. Physical Review A, 2013, 88, .	2.5	18
71	A spectral study of Te V from MCDHF calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 095001.	1.5	1
72	Energies and E1, M1, E2, and M2 transition rates for states of the 2s²2p⁴, 2s2p⁵, and 2p⁶configurations in oxygen-like ions between F II and Kr XXIX. Astronomy and Astrophysics, 2013, 557, A136.	5.1	15

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73	Energy levels and transition rates for the boron isoelectronic sequence: Si X, Ti XVIII â€“ Cu XXV. Astronomy and Astrophysics, 2013, 559, A100.	5.1	19
74	Special Issue on Critical Assessment of Theoretical Calculations of Atomic Structure and Transition Probabilities. Atoms, 2013, 1, 13-13.	1.6	1
75	Notes on Critical Assessment of Theoretical Calculations of Atomic Structure and Transition Probabilities. Atoms, 2013, 1, 14-16.	1.6	1
76	Spectral properties of Sb IV from MCDHF calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 165002.	1.5	3
77	Interaction of Variational Localised Correlation Functions for Atomic Properties of Be I. Journal of Physics: Conference Series, 2012, 388, 152006.	0.4	0
78	Mass- and field-shift isotope parameters for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mi>s</mml:mi><mml:mo>â^'</mml:mo><mml:mn>2</mml:mn><mml:mi>p< doublet of lithiumlike ions. Physical Review A, 2012, 86, .	2.5	32
79	Effects of the electron correlation and Breit and hyperfine interactions on the lifetime of the2p53sstates in neutral neon. Physical Review A, 2012, 86, .	2.5	23
80	On the breakdown of the Dirac kinetic energy operator for estimating normal mass shifts. European Physical Journal D, 2012, 66, 1.	1.3	10
81	Energies and E1, M1, E2, M2 transition rates for states of the 2s22p, 2s2p2, and 2p3 configurations in boron-like ions between N III and Zn XXVI. Atomic Data and Nuclear Data Tables, 2012, 98, 481-556.	2.4	45
82	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
83	Energies, E1, M1, and E2 transition rates, hyperfine structures, and LandÃ© <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si60.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>g</mml:mi></mml:mrow><mml:mrow><mml:mi>J</mml:mi></mml:mrow></mml:msub></mml:mrow></mml factors for states of the 2s22p2, 2s2p3, and 2p4 configurations in carbon-like ions between F IV and Ni XXIII. Atomic Data and Nuclear Data Tables, 2011, 97, 648-691.	2.4	36
84	Are MCDF calculations 101% correct in the super-heavy elements range?. Theoretical Chemistry Accounts, 2011, 129, 495-505.	1.4	49
85	-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
86	Saturation spectra of low lying states of Nitrogen: reconciling experiment with theory. European Physical Journal D, 2010, 60, 231-242.	1.3	10
87	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
88	Annual changes in MODIS vegetation indices of Swedish coniferous forests in relation to snow dynamics and tree phenology. Remote Sensing of Environment, 2010, 114, 2719-2730.	11.0	131
89	Hyperfine structures, isotope shifts, and transition rates of C II, N III, and O IV from relativistic configuration interaction calculations. Atomic Data and Nuclear Data Tables, 2010, 96, 271-298.	2.4	17
90	Seasonality of vegetation fires as modified by human action: observing the deviation from ecoâ€climatic fire regimes. Global Ecology and Biogeography, 2010, 19, 575-588.	5.8	126

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91	Relativistic configuration interaction calculations of energy levels, isotope shifts, hyperfine structures, and transition rates in the 2s²2p²â€“2s2p³transition array for the carbon-like sequence. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074023.	1.5	22
92	Two-electronâ€“one-photon M1 and E2 transitions between the states of the 2p³and 2s²2p odd configurations for B-like ions with 18 â‰¤Zâ‰¤ 92. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 035005.	1.5	18
93	Ab initiocalculations of14N and15N hyperfine structures. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 115006.	1.5	13
94	Exploring biorthonormal transformations of pair-correlation functions in atomic structure variational calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074017.	1.5	27
95	Multiconfiguration Dirac-Hartree-Fock calculations of the electric dipole moment of radium induced by the nuclear Schiff moment. Physical Review A, 2009, 80, .	2.5	18
96	Complete-active-space multiconfiguration Dirac-Hartree-Fock calculations of hyperfine-structure constants of the gold atom. Physical Review A, 2009, 79, .	2.5	29
97	Hyperfine quenching of the 3s3p³P₀level in Mg-like ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 195002.	1.5	15
98	Hyperfine induced ${sf 1 s}{sf 2 s} ^{sf 1}$ S $_{sf 0} ightarrow {sf 1 s}^{sf 2} ^{sf 1}$ S0 M1 transition of He-like ions. European Physical Journal D, 2009, 51, 313-317.	1.3	7
99	HFSZEEMANâ€”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
100	Comment on the magnetic dipole hyperfine interaction in the gold atom ground state. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 115002.	1.5	17
101	Spectral properties of In II from MCDHF calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 2417-2433.	1.5	14
102	Theoretical studies of hyperfine effects. Journal of Physics: Conference Series, 2007, 72, 012011.	0.4	2
103	YaoetÂal.Reply:. Physical Review Letters, 2007, 98, .	7.8	4
104	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
105	A groundâ€validated NDVI dataset for monitoring vegetation dynamics and mapping phenology in Fennoscandia and the Kola peninsula. International Journal of Remote Sensing, 2007, 28, 4311-4330.	2.9	87
106	The grasp2K relativistic atomic structure package. Computer Physics Communications, 2007, 177, 597-622.	7.5	550
107	Estimating net primary production for Scandinavian forests using data from Terra/MODIS. Advances in Space Research, 2007, 39, 125-130.	2.6	46
108	AVHRR derived phenological change in the Sahel and Soudan, Africa, 1982â€“2005. Remote Sensing of Environment, 2007, 108, 385-392.	11.0	282

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109	Multiconfiguration Dirac-Hartree-Fock calculations of transition rates and lifetimes of the eight lowest excited levels of radium. European Physical Journal: Special Topics, 2007, 144, 75-84.	2.6	17
110	JJGEN: A flexible program for generating lists of jj-coupled configuration state functions. Computer Physics Communications, 2007, 177, 539-550.	7.5	75
111	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
112	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
113	Oscillator strengths and hyperfine structures in Ga II from multiconfiguration Diracâ€“Hartreeâ€“Fock calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1813-1824.	1.5	9
114	Hyperfine induced interference effects in the 4s4d3D2â€“4s4f3F2,3transitions in Ga II. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 4239-4247.	1.5	18
115	MF-Dependent Lifetimes due to Hyperfine Induced Interference Effects. Physical Review Letters, 2006, 97, 183001.	7.8	34
116	Studies of resolidification of non-thermally molten InSb using time-resolved X-ray diffraction. Applied Physics A: Materials Science and Processing, 2005, 81, 893-900.	2.3	22
117	Multiconfiguration Diracâ€“Hartreeâ€“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
118	Nuclear quadrupole moment ofHg201. Physical Review A, 2005, 71, .	2.5	44
119	The LandÃ© g-factor in atomic spectroscopy. Molecular Physics, 2004, 102, 1177-1184.	1.7	8
120	TIMESATâ€”a program for analyzing time-series of satellite sensor data. Computers and Geosciences, 2004, 30, 833-845.	4.2	1,459
121	A simple method for reconstructing a high-quality NDVI time-series data set based on the Savitzkyâ€“Golay filter. Remote Sensing of Environment, 2004, 91, 332-344.	11.0	1,679
122	Theoretical evaluation of the7,9BeÂ2s2p24P1/2,3/2,5/2hyperfine structure parameters and Be 2s2p3Poelectron affinity. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2189-2201.	1.5	3
123	‹title›Extracting information about vegetation seasons in Africa from Pathfinder AVHRR NDVI imagery using temporal filtering and least-squares fits to asymmetric Gaussian functions‹/title›. , 2003, , .		4
124	SEASONALITY EXTRACTION FROM TIME-SERIES OF SATELLITE SENSOR DATA. , 2003, , 487-500.		11
125	Seasonality extraction by function fitting to time-series of satellite sensor data. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 1824-1832.	6.3	983
126	A program for computing weak and intermediate field Zeeman splittings from MCHF wave functions. Computer Physics Communications, 2002, 144, 188-199.	7.5	11

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127	Non-relativistic variational calculations of atomic properties in Li-like ions: LiIto OVI. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 1079-1104.	1.5	61
128	LandÃ© g factors for 2p4 (3P)3p and 2p4(3P)3d states of Ne II. Computational and Theoretical Chemistry, 2001, 537, 55-62.	1.5	29
129	Experimental and theoretical investigations of radiative lifetimes in thesanddsequences of neutral boron. Physical Review A, 2001, 63, .	2.5	15
130	Spectral Lines for Polarization Measurements of the Coronal Magnetic Field. III. Atomic Data for SiIx. Astrophysical Journal, 2000, 540, 1114-1118.	4.5	9
131	Theoretical studies of isotope shifts, hyperfine structures and oscillator strengths in transitions between low-lying levels in O I. Molecular Physics, 2000, 98, 1141-1149.	1.7	12
132	Effects of electron correlation, relativity, and nuclear structure on hyperfine constants ofBe+andF6+. Physical Review A, 1999, 60, 3547-3557.	2.5	29
133	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
134	Goddard Highâ€Resolution Spectrograph Observations of the BiiiResonance Doublet in Early B Stars: Abundances and Isotope Ratios. Astrophysical Journal, 1999, 516, 342-348.	4.5	30
135	Atomic Structure Variational Calculations in Spectroscopy. Physica Scripta, 1998, T78, 33.	2.5	26
136	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
137	Precision measurements and calculations in the B II spectrum: Wavelengths, isotope shifts, and oscillator strengths. Physical Review A, 1998, 57, 2477-2484.	2.5	19
138	Some two-electron properties of sodium. Physical Review A, 1998, 57, 1753-1758.	2.5	13
139	Multiconfiguration Dirac-Fock calculations of the2s21S0â€“2s2p3P1intercombination transition in C III. Physical Review A, 1998, 57, 4967-4970.	2.5	47
140	Hyperfine Induced Transitions as Diagnostics of Isotopic Composition and Densities of Lowâ€Density Plasmas. Astrophysical Journal, 1998, 500, 507-521.	4.5	76
141	Wavelengths, Isotope Shifts, and Oscillator Strengths in B [CSC]ii[/CSC] at 1362 and 1624 Ã…. Astrophysical Journal, 1998, 499, L107-L109.	4.5	5
142	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
143	SMS92: a program for relativistic isotope shift calculations. Computer Physics Communications, 1997, 100, 81-92.	7.5	18
144	HFS92: A program for relativistic atomic hyperfine structure calculations. Computer Physics Communications, 1996, 96, 301-310.	7.5	102

#	Article	IF	Citations
145	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
146	Large-scale multiconfiguration Dirac-Fock calculations of the hyperfine-structure constants of the 2s2S1/2, 2p2P1/2, and 2p2P3/2states of lithium. Physical Review A, 1996, 53, 2181-2188.	2.5	35
147	Accurate calculations of transition probabilities, isotope shifts and hyperfine structures for some allowed - transitions in B I, C II and C I. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 2393-2412.	1.5	31
148	Multiconfiguration Hartreeâ€“Fock calculations of atomic properties in light atoms. Physica Scripta, 1996, T65, 70-83.	2.5	31
149	The - resonance line in neutral beryllium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 4347-4363.	1.5	17
150	Transition probability calculations for atoms using nonorthogonal orbitals. Physical Review E, 1995, 52, 4499-4508.	2.1	244
151	Multiconfigurational Hartree-Fock calculations of hyperfine-induced transitions in heliumlike ions. Physical Review A, 1995, 51, 2031-2039.	2.5	25
152	Multiconfiguration Hartree-Fock calculations of low-lying excited2Sstates in lithium. Physical Review A, 1995, 52, 4262-4265.	2.5	12
153	Large-scale multiconfiguration Dirac-Fock calculations of hyperfine interaction constants fornd2levels ofSc+andY+. Physical Review A, 1995, 51, 4603-4610.	2.5	28
154	Harmonic generation beyond the saturation intensity in helium. Physical Review A, 1995, 51, 3148-3153.	2.5	44
155	Accurate multiconfiguration Hartree-Fock calculations of isotope shifts in C I and C IV. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 3729-3740.	1.5	20
156	Accurate Multiconfiguration Hartree-Fock Calculations of Oscillator Strengths in Light Atoms: The Boron (B ii) Line at 1362 Angstrom. Astrophysical Journal, 1995, 450, 473.	4.5	28
157	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
158	Large-scale multiconfiguration Hartree-Fock and configuration-interaction calculations of isotope shifts and hyperfine structures in boron. Physical Review A, 1994, 50, 3080-3088.	2.5	27
159	MCHF calculations for atomic properties. Computer Physics Communications, 1994, 84, 37-58.	7.5	37
160	Lifetimes and transition probabilities of the boron atom calculated with the active-space multiconfiguration Hartree-Fock method. Physical Review A, 1994, 49, 3426-3431.	2.5	25
161	Accurate calculation of the isotope shift and hyperfine structure in the boron (B II) line at 1362 A. Astrophysical Journal, 1994, 429, L45.	4.5	23
162	A program for computing magnetic dipole and electric quadrupole hyperfine constants from MCHF wavefunctions. Computer Physics Communications, 1993, 74, 399-414.	7.5	38

#	Article	IF	Citations
163	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
164	Multi-configuration Hartree- and Dirac-Fock calculations of atomic hyperfine structures. Physica Scripta, 1993, 48, 678-687.	2.5	36
165	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
166	Multi-configuration Hartree-Fock calculations and time-resolved laser spectroscopy studies of hyperfine structure constants in sodium. Physica Scripta, 1992, 46, 394-398.	2.5	27
167	Large multiconfigurational Hartree-Fock calculations on the hyperfine-structure constants of theLi72s2Sand 2p2Pstates. Physical Review A, 1992, 46, 2420-2425.	2.5	43