Klaus Bartschat

List of Publications by Year
in descending order

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216 papers	5,766 citations	87401 40 h-index	124990 64 g-index
224 all docs	224 docs citations	224 times ranked	2650 citing authors

#	Article	IF	Citations
1	Generalizations of the R-Matrix Method to the Treatment of the Interaction of Short-Pulse Electromagnetic Radiation with Atoms. Atoms, 2022, 10, 26.	0.7	1
2	Carrier-Envelope Phase-Dependent Strong-Field Excitation. Physical Review Letters, 2022, 128, 173201.	2.9	5
3	Electron-impact excitation of the 5$$varvec{^2extbf{S}_{1/2} ightarrow 5^2extbf{P}_{1/2}}$$ and 5$$varvec{^2extbf{P}_{3/2}}$$ transitions in rubidium by 40 eV electrons: theory and experiment. European Physical Journal D, 2022, 76, .	0.6	1
4	Using Circular Dichroism to Control Energy Transfer in Multiphoton Ionization. Physical Review Letters, 2021, 126, 023201.	2.9	22
5	Positive-energy spectra of atomic hydrogen in a magnetic field: A comparative study between different theoretical approaches. Physical Review A, 2021, 103, .	1.0	2
6	Decomposition of the transition phase in multi-sideband schemes for reconstruction of attosecond beating by interference of two-photon transitions. Physical Review A, 2021, 103, .	1.0	21
7	Recommended Cross Sections for Electronâ€“Indium Scattering. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	6
8	Circular dichroism in atomic resonance-enhanced few-photon ionization. Physical Review A, 2021, 103, .	1.0	13
9	Linear dichroism in few-photon ionization of laser-dressed helium. European Physical Journal D, 2021, 75, 1.	0.6	0
10	Single-cycle versus multicycle nonsequential double ionization of argon. Physical Review A, 2021, 104, .	1.0	5
11	Relativistic B-Spline R-Matrix Calculations for Electron Collisions with Ytterbium. Atoms, 2021, 9, 47.	0.7	2
12	Benchmark Angle-Differential Cross-Section Ratios for Excitation of the 4p5s Configuration in Krypton. Atoms, 2021, 9, 61.	0.7	3
13	Linear polarization fractions of Fulcher- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> fluorescence in electron collisions with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review A, 2021, 104, .	1.0	2
14	Low-Energy Elastic Electron Scattering from Helium Atoms. Atoms, 2021, 9, 82.	0.7	1
15	Relativistic B-Spline R-Matrix Calculations for Electron Scattering from Thallium Atoms. Atoms, 2021, 9, 94.	0.7	1
16	Magnetic dichroism in few-photon ionization of polarized atoms. Physical Review A, 2021, 104, .	1.0	8
17	Electron Scattering Cross-Section Calculations for Atomic and Molecular Iodine. Atoms, 2021, 9, 103.	0.7	9
18	Oleg Zatsarinny (1953â€“2021): Memories by His Colleagues. Atoms, 2021, 9, 109.	0.7	1

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19	Benchmark angle-differential cross-section ratios for the electron-impact excitation of the xenon <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:msup><mml:mi>p</mml:mi><mml:m <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow /><mml:mn>1</mml:mn></mml:msup><mml:msub><mml:mi>S</mml:mi><mml:mn>0</mml:mn></mml:msub><mml:mo>â†’</mml:mo Physical Review A, 2021, 104, .	1.0	2
20	Cross sections for electron scattering from atomic lead. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 015204.	0.6	6
21	Benchmark calculations for photoionization of neutral iron. Journal of Physics: Conference Series, 2020, 1412, 102005.	0.3	0
22	Photoelectron spectroscopy of laser-dressed atomic helium. Physical Review A, 2020, 102, .	1.0	5
23	Ellipticity dependence of excitation and ionization of argon atoms by short-pulse infrared radiation. Physical Review A, 2020, 102, .	1.0	8
24	Electron-impact excitation of the (5s25p) P1/22â†'(5s26s) S1/22 transition in indium: Theory and experiment. Physical Review A, 2020, 102, .	1.0	5
25	Observation of dynamic Stark resonances in strong-field excitation. Physical Review A, 2020, 101, .	1.0	18
26	Attosecond transient absorption of a continuum threshold. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 124002.	0.6	11
27	Computational treatment of electron and photon collisions with atoms, ions, and molecules: the legacy of Philip G Burke. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 192002.	0.6	2
28	Nonsequential double ionization of Ar in near-single-cycle laser pulses. Optics Express, 2020, 28, 22231.	1.7	6
29	Effect of cascade transitions on the polarization of light emitted after electron-impact excitation of Zn by spin-polarized electrons. Physical Review A, 2019, 100, .	1.0	2
30	Non-LTE analysis of K I in late-type stars. Astronomy and Astrophysics, 2019, 627, A177.	2.1	41
31	A xenon collisional-radiative model applicable to electric propulsion devices: II. Kinetics of the 6s, 6p, and 5d states of atoms and ions in Hall thrusters. Plasma Sources Science and Technology, 2019, 28, 105005.	1.3	30
32	A xenon collisional-radiative model applicable to electric propulsion devices: I. Calculations of electron-impact cross sections for xenon ions by the Dirac B-spline R-matrix method. Plasma Sources Science and Technology, 2019, 28, 105004.	1.3	20
33	Roadmap on photonic, electronic and atomic collision physics: II. Electron and antimatter interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171002.	0.6	22
34	Two-color XUV plus near-IR multiphoton near-threshold ionization of the helium ion by circularly polarized light in the vicinity of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>p</mml:mi></mml:mrow><mml:r resonance. Physical Review A, 2019, 100, .	1.0	10
35	Wave-packet continuum-discretization approach to proton collisions with helium. Physical Review A, 2019, 99, .	1.0	24
36	Attosecond angular streaking and tunnelling time in atomic hydrogen. Nature, 2019, 568, 75-77.	13.7	190

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37	Photoionization of neutral iron from the ground and excited states. Physical Review A, 2019, 99, .	1.0	7
38	Extracting phase information on continuum-continuum couplings. Physical Review A, 2019, 99, .	1.0	17
39	Attoclock setup with negative ions: A possibility for experimental validation. Physical Review A, 2019, 99, .	1.0	11
40	Fully differential cross sections for single ionization of helium by energetic protons. Physical Review A, 2019, 100, .	1.0	17
41	Coherent control of the photoelectron angular distribution in ionization of neon by a circularly polarized bichromatic field in the resonance region. Physical Review A, 2019, 100, .	1.0	13
42	Recommended electron-impact excitation and ionization cross sections for Be I. Atomic Data and Nuclear Data Tables, 2019, 127-128, 1-21.	0.9	9
43	Electron-impact excitation and ionization of atomic calcium at intermediate energies. Physical Review A, 2019, 99, .	1.0	11
44	Quantum coherent control of the photoelectron angular distribution in bichromatic-field ionization of atomic neon. Physical Review A, 2018, 97, .	1.0	26
45	Dynamics of tunneling ionization using Bohmian mechanics. Physical Review A, 2018, 97, .	1.0	36
46	Low-energy outer-shell photo-detachment of the negative ion of aluminum. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 035004.	0.6	3
47	Electron Scattering from Neutral Fe and Low-energy Photodetachment of Fe^{â^'}. Astrophysical Journal, 2018, 867, 63.	1.6	10
48	Coherent control schemes for the photoionization of neon and helium in the Extreme Ultraviolet spectral region. Scientific Reports, 2018, 8, 7774.	1.6	25
49	Electron collisionsâ€"experiment, theory, and applications. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 132001.	0.6	13
50	Out-of-plane (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 232 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:r Physical Review A, 2018, 97, .	1.0	1
51	Circular Dichroism in Multiphoton Ionization of Resonantly Excited<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mrow><mml:mo>+</mml:mo></ Physical Review Letters, 2017, 118, 013002.	2.9	58
52	Electron impact excitation of N³⁺using theB-splineR-matrix method: importance of the target structure description and the size of the close-coupling expansion. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 065203.	0.6	10
53	Above-threshold ionization in neon produced by combining optical and bichromatic XUV femtosecond laser pulses. Physical Review A, 2017, 95, .	1.0	7
54	Spinâ€"spin correlations and entanglement in elastic electron scattering from hydrogen atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 224004.	0.6	1

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55	Inelastic e+Mg collision data and its impact on modelling stellar and supernova spectra. Astronomy and Astrophysics, 2017, 606, A11.	2.1	18
56	Calculations for electron-impact excitation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Mg</mml:mi></mml:mrow><mml:mrow><m Physical Review A, 2017, 95, .	1.0	6
57	A few selected contributions to electron and photon collisions with H2and ${{m{H}}}_{2}^{+}$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 214002.	0.6	0
58	Spin entanglement in elastic electron scattering from lithium atoms. Physical Review A, 2017, 95, .	1.0	6
59	Wave-packet continuum-discretization approach to single ionization of helium by antiprotons and energetic protons. Physical Review A, 2017, 96, .	1.0	27
60	Photoelectron angular distribution in two-pathway ionization of neon with femtosecond XUV pulses. European Physical Journal D, 2017, 71, 1.	0.6	13
61	Quantumâ€Mechanical Calculations of Cross Sections for Electron Collisions With Atoms and Molecules. Plasma Processes and Polymers, 2017, 14, 1600093.	1.6	21
62	LXCat: an Openâ€Access, Webâ€Based Platform for Data Needed for Modeling Low Temperature Plasmas. Plasma Processes and Polymers, 2017, 14, 1600098.	1.6	188
63	Continuous spectra of atomic hydrogen in a strong magnetic field. Physical Review A, 2016, 94, .	1.0	6
64	Time Propagation of Partial Differential Equations Using the Short Iterative Lanczos Method and Finite-Element Discrete Variable Representation. , 2016, , .		0
65	Low-energy photodetachment of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Ga</mml:mi></mml:mrow><mml:mrow><mml:mo>â’ elastic electron scattering from neutral Ga. Physical Review A, 2016, 94, .	1.0	5
66	Precise and Accurate Measurements of Strong-Field Photoionization and a Transferable Laser Intensity Calibration Standard. Physical Review Letters, 2016, 117, 053001.	2.9	21
67	Uncertainty estimates for theoretical atomic and molecular data. Journal Physics D: Applied Physics, 2016, 49, 363002.	1.3	66
68	NonperturbativeB-splineR-matrix-with-pseudostates calculations for electron-impact ionization-excitation of helium to then=3states ofHe+. Physical Review A, 2016, 93, .	1.0	6
69	Electron-impact excitation and ionization of atomic boron at low and intermediate energies. Physical Review A, 2016, 93, .	1.0	4
70	Kinematically complete study of low-energy electron-impact ionization of argon: Internormalized cross sections in three-dimensional kinematics. Physical Review A, 2016, 93, .	1.0	31
71	Photoelectron angular distributions in bichromatic atomic ionization induced by circularly polarized VUV femtosecond pulses. Physical Review A, 2016, 93, .	1.0	55
72	Calculations for electron-impact excitation and ionization of beryllium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 235701.	0.6	15

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73	Electron collisions with atoms, ions, molecules, and surfaces: Fundamental science empowering advances in technology. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7026-7034.	3.3	99
74	Low-energy outer-shell photodetachment of the negative ion of boron. European Physical Journal D, 2016, 70, 1.	0.6	7
75	Coherent control with a short-wavelength free-electron laser. Nature Photonics, 2016, 10, 176-179.	15.6	197
76	Interfering one-photon and two-photon ionization by femtosecond VUV pulses in the region of an intermediate resonance. Physical Review A, 2015, 91, .	1.0	35
77	Propensity for distinguishing two free electrons with equal energies in electron-impact ionization of helium. Physical Review A, 2015, 92, .	1.0	17
78	Numerical simulation of the double-to-single ionization ratio for the helium atom in strong laser fields. Physical Review A, 2015, 92, .	1.0	20
79	Hyperfine-changing transitions in³He II and other one-electron ions by electron scattering. Journal of Physics: Conference Series, 2015, 635, 052016.	0.3	0
80	Polarization correlations for electron-impact excitation of neon at 50 eV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 185201.	0.6	2
81	Kinematically complete study of low-energy electron-impact ionization of neon: Internormalized cross sections in three-dimensional kinematics. Physical Review A, 2015, 91, .	1.0	32
82	Electron collisions with cesium atomsâ€"benchmark calculations and application to modeling an excimer-pumped alkali laser. Plasma Sources Science and Technology, 2014, 23, 035011.	1.3	13
83	Benchmark calculation of total cross sections for ionizationâ€“excitation of helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 061001.	0.6	15
84	Time delays for attosecond streaking in photoionization of neon. Physical Review A, 2014, 89, .	1.0	73
85	Energy dependence of the (e,2e) recoil peak to binary peak ratio across He (2p2)1Dand(2s2p)1Pautoionizing levels. Physical Review A, 2014, 89, .	1.0	2
86	Alignment and pulse-duration effects in two-photon double ionization ofH2by femtosecond XUV laser pulses. Physical Review A, 2014, 90, .	1.0	2
87	HYPERFINE-CHANGING TRANSITIONS IN3He II AND OTHER ONE-ELECTRON IONS BY ELECTRON SCATTERING. Astrophysical Journal, 2014, 788, 69.	1.6	2
88	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math>-spline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>R</mml:mi></mml:math>-matrix-with-pseudostates calculations for electron-impact excitation and ionization of fluorine. Physical Review A, 2014, 89, .	1.0	19
89	Displacement effect in strong-field atomic ionization by an XUV pulse. Physical Review A, 2014, 90, .	1.0	22
90	Theoretical and experimental investigation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>e</mml:mi><mml:mo>,</mml:mo><mml:mn>2</mml:mn><mml:mi>e</mml:mi><mml:mo>)</mml:mo></mml:math> of argon<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>3</mml:mn><mml:mi>p</mml:mi></mml:math>in asymmetric kinematics at intermediate energy. Physical Review A, 2014, 90, .	1.0	18

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91	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math>-spline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>R</mml:mi></mml:math>-matrix-with-pseudostates calculations for electron-impact excitation and ionization of nitrogen. Physical Review A, 2014, 89, .	1.0	55
92	Electron-impact excitation of argon at intermediate energies. Physical Review A, 2014, 89, .	1.0	72
93	Benchmark calculations for electron collisions with complex atoms. Journal of Physics: Conference Series, 2014, 488, 012044.	0.3	3
94	Coherence in multistate resonance-enhanced four-photon ionization of lithium atoms. Physical Review A, 2013, 88, .	1.0	11
95	Effects of numerical approximations in the treatment of short-pulse strong-field ionization of atomic hydrogen. Physical Review A, 2013, 88, .	1.0	8
96	Comparisons of sets of electronâ€“neutral scattering cross sections and swarm parameters in noble gases: II. Helium and neon. Journal Physics D: Applied Physics, 2013, 46, 334002.	1.3	61
97	TheB-splineR-matrix method for atomic processes: application to atomic structure, electron collisions and photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 112001.	0.6	102
98	Photoionization yield of atomic hydrogen using intense few-cycle pulses. , 2013, , .		0
99	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math>-spline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math>-matrix-with-pseudostates calculations for electron-impact excitation and ionization of carbon. Physical Review A, 2013, 87, .	1.0	37
100	Fine-structure-resolved electron collisions from chlorine atoms in the(3p5)2P3/2oand(3p5)2P1/2ostates. Physical Review A, 2013, 87, .	1.0	8
101	Comment II on â€œTopological angular momentum in electron exchange excitation of a single atomâ€. Physical Review A, 2013, 87, .	1.0	8
102	Electron-Impact Ionization of Neon at Low Projectile Energy: An Internormalized Experiment and Theory for a Complex Target. Physical Review Letters, 2013, 110, 153202.	2.9	34
103	Computational methods for electronâ€“atom collisions in plasma applications. Journal Physics D: Applied Physics, 2013, 46, 334004.	1.3	20
104	Resonance effects in two-photon double ionization of H2by femtosecond XUV laser pulses. Physical Review A, 2013, 88, .	1.0	14
105	Impact of XUV intensities approaching 10<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>15</mml:mn></mml:msup></mml:math>W/cm<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup></mml:math>with an accuracy of 1<mml:math	1.0	35
106	Threshold Alignment Reversal and Circularly Polarized Fluorescence in Rotationally Resolved<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="bold">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2013, 111, 253201.	2.9	3
107	RelativisticB-splineR-matrix calculations for electron collisions with lead atoms: differential cross sections and spin asymmetries. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 035202.	0.6	4
108	Double-slit interference effect in electron emission from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow><mml:msub><mml:mtext>H</mml:mtext><mml:mn>2</mml:mn></mml:msub></mml:mrow> to x-ray radiation. Physical Review A, 2012, 85, .	1.0	23

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109	Electron-impact excitation of neon at intermediate energies. Physical Review A, 2012, 86, .	1.0	37
110	Low-energy electron-impact ionization of argon: Three-dimensional cross section. Physical Review A, 2012, 85, .	1.0	32
111	Unusual angular momentum transfer in electron-impact excitation of neon. Physical Review A, 2012, 85, .	1.0	9
112	Nonperturbative<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math>-spline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math>-matrix-with-pseudostates calculations for electron-impact ionization of helium. Physical Review A, 2012, 85, .	1.0	33
113	Electron-collision cross sections for iodine. Physical Review A, 2011, 83, .	1.0	52
114	Nonperturbative Treatment of Ionization with Excitation of Helium by Electron Impact. Physical Review Letters, 2011, 107, 023203.	2.9	80
115	High-resolution experiments andB-splineR-matrix calculations for elastic electron scattering from krypton. Physical Review A, 2011, 83, .	1.0	11
116	Unexpected effects in spin-polarized electron-impact excitation of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mn>3</mml:mn><mml:msup><mml:mi>d</mml:mi><mml:mrow><mml:mn>10</mml:mn></mml:m /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msup><mml:msub><mml:mi>S</mml:mi><mml:mrow><mml:mn>1. Physical Review A, 2011, 83, .	1.0	18
117	Strong-field ionization of lithium. Physical Review A, 2011, 83, .	1.0	57
118	Accurate Cross-section Calculations for Low-Energy Electronâ€“Atom Collisions. , 2011, , .		2
119	Multiphoton ionization of H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math>in xuv laser pulses. Physical Review A, 2011, 84, .	1.0	35
120	Benchmark experiment for electron-impact ionization of argon: Absolute triple-differential cross sections via three-dimensional electron emission images. Physical Review A, 2011, 83, .	1.0	27
121	Breakup of the aligned<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>molecul by xuv laser pulses: A time-dependent treatment in prolate spheroidal coordinates. Physical Review A, 2011, 83, .	1.0	58
122	Carrier-envelope phase effects in few-cycle ionisation of atomic hydrogen. , 2011, , .		0
123	Alignment effects in two-photon double ionization of H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>in femtosecond xuv laser pulses. Physical Review A, 2011, 84, .	1.0	18
124	Electron impact excitation of the (4p⁵â€‰5s) states in krypton: high-resolution electron scattering experiments and {oldsymbol B}-spline {oldsymbol R}-matrix calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 065201.	0.6	15
125	Above-threshold ionization in atomic hydrogen using intense few-cycle laser pulses. , 2011, , .		0
126	Two-photon double ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>in intense femtosecond laser pulses. Physical Review A, 2010, 82, .	1.0	34

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127	Validation of atomic data using a plasma discharge. New Journal of Physics, 2010, 12, 073018.	1.2	13
128	Out-of-plane (e,2e) angular distributions and energy spectra of heliumL=0,1,2autoionizing levels. Physical Review A, 2010, 82, .	1.0	6
129	Ionization of atomic hydrogen in strong infrared laser fields. Physical Review A, 2010, 81, .	1.0	72
130	Benchmark calculations for near-threshold electron-impact excitation of krypton and xenon atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074031.	0.6	26
131	Fully differential cross-section measurements for electron-impact ionization of neon and xenon. Physical Review A, 2009, 79, .	1.0	30
132	A time-dependentB-splineR-matrix approach to double ionization of atoms by XUV laser pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 134015.	0.6	26
133	Absolute angle-differential cross sections for electron-impact excitation of neon within the first 3.5 eV above threshold. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 044009.	0.6	16
134	Complete Breakup of the Helium Atom by Proton and Antiproton Impact. Physical Review Letters, 2009, 103, 213201.	2.9	36
135	Emission cross sections for electron-impact excitation of zinc atoms. Physical Review A, 2009, 79, .	1.0	15
136	Spin-asymmetry function for elastic electron scattering from lead atoms in the energy range 11â€“14 eV. Physical Review A, 2009, 80, .	1.0	8
137	Cross sections for electron scattering from magnesium. Physical Review A, 2009, 79, .	1.0	21
138	Long-range interactions of the chlorine atom. Molecular Physics, 2009, 107, 2387-2393.	0.8	5
139	Absolute cross sections for the ionization-excitation of helium by electron impact. Physical Review A, 2008, 78, .	1.0	28
140	Relativistic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math>-spline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math>-matrix method for electron collisions with atoms and ions: Application to low-energy electron scattering from Cs. Physical Review A, 2008, 77, .	1.0	82
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