

Dmitry Fursa

List of Publications by Year in descending order

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289
papers

5,346
citations

125106

35
h-index

156644

58
g-index

290
all docs

290
docs citations

290
times ranked

1674
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmic rays in molecular clouds probed by H ₂ rovibrational lines. <i>Astronomy and Astrophysics</i> , 2022, 658, A189.	2.1	19
2	Taking the Convergent Close-Coupling Method beyond Helium: The Utility of the Hartree-Fock Theory. <i>Atoms</i> , 2022, 10, 22.	0.7	3
3	Anisotropic angular scattering models of elastic electron-neutral collisions for Monte Carlo plasma simulations. <i>Plasma Sources Science and Technology</i> , 2022, 31, 065013.	1.3	2
4	Complete collision data set for electrons scattering on molecular hydrogen and its isotopologues: I. Fully vibrationally-resolved electronic excitation of H \langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e3985" altimg="si24.svg"><mml:mrow><mml:msub><mml:mrow		

#	ARTICLE	IF	CITATIONS
19	Collisions of antiprotons with excited positronium atoms. <i>Physical Review A</i> , 2021, 104, .	1.0	5
20	Cross sections for electron scattering from atomic lead. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 015204.	0.6	6
21	Calculations of positron scattering on the hydrogen molecular ion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 015203.	0.6	5
22	Rayleigh and Raman Scattering from Alkali Atoms. <i>Atoms</i> , 2020, 8, 57.	0.7	4
23	Configuration space method to calculate rearrangement matrix elements. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 222004.	0.3	0
24	Convergent close-coupling calculations of positron collisions with the hydrogen negative ion. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 222005.	0.3	0
25	On the effect of cascade transitions after electron-impact excitation of Zn by spin-polarized electrons. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 142009.	0.3	0
26	Electron-impact excitation of the (5s25p) P1/2 \hat{a} '(5s26s) S1/22 transition in indium: Theory and experiment. <i>Physical Review A</i> , 2020, 102, .	1.0	5
27	Charge transfer in positronium \hat{e} proton collisions: comparison of classical and quantum-mechanical theories. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 155201.	0.6	5
28	Effect of Electron Capture on Spectral Line Broadening in Hot Dense Plasmas. <i>Physical Review Letters</i> , 2020, 124, 055003.	2.9	16
29	Electron-scattering on molecular hydrogen: convergent close-coupling approach. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	11
30	Calculations of electron scattering on H-like ions. <i>Physical Review A</i> , 2020, 101, .	1.0	3
31	Benchmark calculations of electron impact electronic excitation of the hydrogen molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 145204.	0.6	22
32	Effect of cascade transitions on the polarization of light emitted after electron-impact excitation of Zn by spin-polarized electrons. <i>Physical Review A</i> , 2019, 100, .	1.0	2
33	Non-LTE analysis of K I in late-type stars. <i>Astronomy and Astrophysics</i> , 2019, 627, A177.	2.1	41
34	Spin asymmetry in electron-impact ionization. <i>Physical Review A</i> , 2019, 100, .	1.0	6
35	Convergent close-coupling calculations of positron scattering on H \hat{a} . <i>Physical Review A</i> , 2019, 100, .	1.0	2
36	Laser-driven production of the antihydrogen molecular ion. <i>Physical Review A</i> , 2019, 100, .	1.0	9

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37	Electron-Impact Dissociation of Vibrationally-Excited Molecular Hydrogen into Neutral Fragments. <i>Atoms</i> , 2019, 7, 75.	0.7	6
38	Vibrational excitation of the $\{H\}_2X^{\{1\}\{m\{Sigma\}\}_g^{\{+\}}$ state via electron-impact excitation and radiative cascade. <i>Plasma Sources Science and Technology</i> , 2019, 28, 025004.	1.3	12
39	Positron-impact electronic excitations and mass stopping power of H . <i>Physical Review A</i> , 2019, 99, .	1.0	7
40	Recommended electron-impact excitation and ionization cross sections for Be I. <i>Atomic Data and Nuclear Data Tables</i> , 2019, 127-128, 1-21.	0.9	9
41	Calculation of electron scattering on atomic silver. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 085203.	0.6	8
42	Indirect contributions to electron-impact ionization of $Li^+ (1s2sS13)$ ions: Role of intermediate double- K -vacancy states. <i>Physical Review A</i> , 2018, 97, .	1.0	9
43	Electron-impact coherence parameters for $4P_{1/2}$ excitation of zinc. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 085002.	0.6	4
44	Electron-impact dissociation of molecular hydrogen into neutral fragments. <i>European Physical Journal D</i> , 2018, 72, 1.	0.6	24
45	Near-Threshold Cross Sections for Electron and Positron Impact Ionization of Atomic Hydrogen. <i>Physical Review Letters</i> , 2018, 121, 203401.	2.9	14
46	Low-energy electron scattering from molecular hydrogen: Excitation of the $X^1\Sigma_g^+$ transition. <i>Physical Review A</i> , 2018, 98, .	1.0	19
47	Efficient calculation of Rayleigh and Raman scattering. <i>Physical Review A</i> , 2018, 98, .	1.0	8
48	Electron-impact dissociative excitation cross sections for singlet states of molecular hydrogen. <i>Physical Review A</i> , 2018, 98, .	1.0	13
49	Time-of-flight electron scattering from molecular hydrogen: Benchmark cross sections for excitation of the $X^1\Sigma_g^+$ transition. <i>Physical Review A</i> , 2018, 97, .	1.0	15
50	Comparison of experiment and theory for superelastic electron-collision studies from laser-aligned magnesium. <i>Physical Review A</i> , 2018, 98, .	1.0	2
51	Vibrationally resolved electron-impact excitation cross sections for singlet states of molecular hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 144007.	0.6	13
52	Electron and positron molecule scattering: development of the molecular convergent close-coupling method. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 123001.	0.6	59
53	Inelastic $e+Mg$ collision data and its impact on modelling stellar and supernova spectra. <i>Astronomy and Astrophysics</i> , 2017, 606, A11.	2.1	18
54	Adiabatic-nuclei calculations of positron scattering from molecular hydrogen. <i>Physical Review A</i> , 2017, 95, .	1.0	27

#	ARTICLE	IF	CITATIONS
55	Kinetic-energy release of fragments from electron-impact dissociation of the molecular hydrogen ion and its isotopologues. <i>Physical Review A</i> , 2017, 96, .	1.0	13
56	Differential cross sections for excitation of H_2 by low-energy electron impact. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 225203.	0.6	10
57	Electron mass stopping power in H_2 . <i>Physical Review A</i> , 2017, 96, .	1.0	8
58	Convergent close-coupling approach to light and heavy projectile scattering on atomic and molecular hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 202001.	0.6	34
59	Electron-impact excitation of molecular hydrogen. <i>Physical Review A</i> , 2017, 95, .	1.0	46
60	Solving close-coupling equations in momentum space without singularities for charged targets. <i>Computer Physics Communications</i> , 2017, 212, 55-58.	3.0	7
61	LXCat: an Open-Access, Web-Based Platform for Data Needed for Modeling Low Temperature Plasmas. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600098.	1.6	188
62	Low-energy electron-impact dissociative excitation of molecular hydrogen and its isotopologues. <i>Physical Review A</i> , 2017, 96, .	1.0	18
63	State-resolved Photodissociation and Radiative Association Data for the Molecular Hydrogen Ion. <i>Astrophysical Journal</i> , 2017, 851, 64.	1.6	13
64	Calculations of electron-impact ionisation of Fe^{25+} and Fe^{24+} . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 184001.	0.6	2
65	Polarization of Lyman- α emission in proton-hydrogen collisions studied using a semiclassical two-center convergent close-coupling approach. <i>Physical Review A</i> , 2016, 93, .	1.0	33
66	Complete Solution of Electronic Excitation and Ionization in Electron-Hydrogen Molecule Scattering. <i>Physical Review Letters</i> , 2016, 116, 233201.	2.9	47
67	Calculations for electron-impact excitation and ionization of beryllium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 235701.	0.6	15
68	Antiproton stopping power data for radiation therapy simulations. <i>Physica Medica</i> , 2016, 32, 1827-1832.	0.4	7
69	Solving close-coupling equations in momentum space without singularities II. <i>Computer Physics Communications</i> , 2016, 203, 147-151.	3.0	10
70	Internal consistency in the close-coupling approach to positron collisions with atoms. <i>European Physical Journal D</i> , 2016, 70, 1.	0.6	16
71	$41P1Zn$ excitation by 80-eV electrons. <i>Physical Review A</i> , 2015, 91, .	1.0	4
72	Calculation of electron-impact ionization of Mg and Al. <i>Physical Review A</i> , 2015, 92, .	1.0	4

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73	Antiproton stopping in atomic targets. Physical Review A, 2015, 92, .	1.0	22
74	Convergent close coupling versus the generalized Sturmian function approach: Wave-function analysis. Physical Review A, 2015, 92, .	1.0	4
75	Propensity for distinguishing two free electrons with equal energies in electron-impact ionization of helium. Physical Review A, 2015, 92, .	1.0	17
76	Antiproton stopping in H_2 . Physical Review A, 2015, 92, .	1.0	14
77	Two-center close-coupling calculations of positron molecular-hydrogen scattering. Physical Review A, 2015, 92, .	1.0	24
78	Accurate stopping power calculations for antiprotons and protons. Journal of Physics: Conference Series, 2015, 635, 022034.	0.3	0
79	Ionisation of noble gas atoms and H ₂ O by antiproton impact. Journal of Physics: Conference Series, 2015, 635, 022032.	0.3	0
80	Calculations of electron and positron scattering from vibrationally excited H ₂ ⁺ and H ₂ . Journal of Physics: Conference Series, 2015, 635, 072047.	0.3	0
81	Convergent calculations of positron scattering from molecular hydrogen. Journal of Physics: Conference Series, 2015, 635, 012009.	0.3	5
82	e-Zn inelastic scattering at 80 eV. Journal of Physics: Conference Series, 2015, 635, 092102.	0.3	0
83	Antiproton-impact ionization of Ne, Ar, Kr, Xe, and H ₂ O. Physical Review A, 2015, 91, .	1.0	13
84	Electron collisions with beryllium and its ions. Journal of Physics: Conference Series, 2015, 576, 012001.	0.3	4
85	Solving close-coupling equations in momentum space without singularities. Computer Physics Communications, 2015, 196, 276-279.	3.0	11
86	Spectral Line Shapes of He I Line 3889 Å... Atoms, 2014, 2, 277-298.	0.7	10
87	Positron scattering on atoms and molecules. Journal of Physics: Conference Series, 2014, 488, 012052.	0.3	4
88	Relativistic convergent close-coupling calculation of inelastic scattering of electrons from cesium. Physical Review A, 2014, 89, .	1.0	7
89	Close-coupling approach to antiproton-impact breakup of molecular hydrogen. Physical Review A, 2014, 89, .	1.0	19
90	Calculation of the polarization fraction and electron-impact excitation cross section for the Cd ⁺ (5p)2P _{3/2} state. Physical Review A, 2014, 90, .	1.0	9

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91	<p> $\text{Double} \hat{\alpha}$ in electron-impact single ionization of metastable two-electron N </p>		

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109	Positron scattering from argon: total cross sections and the scattering length. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 015203.	0.6	39
110	Differential cross sections and electron impact coherence parameters for elastic electron scattering from laser-excited ^{138}Ba . Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 115202.	0.6	2
111	Relativistic convergent close-coupling calculation of spin asymmetries for electron- ^{111}In scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 181001.	0.6	12
112	Electron excitation of the $4s^1$ state of a zinc atom. Physical Review A, 2012, 86, .	1.0	10
113	Electron scattering in hot-dense plasmas. Journal of Physics: Conference Series, 2012, 388, 042049.	0.3	0
114	RCCC calculations for electron scattering on quasi-two electron targets. Journal of Physics: Conference Series, 2012, 388, 042014.	0.3	0
115	Low energy positron scattering from krypton and xenon. Journal of Physics: Conference Series, 2012, 388, 072021.	0.3	0
116	Quantum-statistical line shape calculation for Lyman- $\hat{1}\pm$ lines in dense H plasmas. Journal of Physics: Conference Series, 2012, 397, 012021.	0.3	2
117	Differential cross-sections for the double photoionization of lithium. Journal of Physics: Conference Series, 2012, 388, 022053.	0.3	0
118	Calculations of electron scattering from cadmium. Journal of Physics: Conference Series, 2012, 388, 042026.	0.3	1
119	Convergent close coupling calculations for positron-magnesium scattering. Journal of Physics: Conference Series, 2012, 388, 072007.	0.3	0
120	Breit interaction effect on the polarization of the Lyman- $\hat{1}\pm$ $1s$ x-ray line emitted by hydrogen-like ions excited by electron impact. Journal of Physics: Conference Series, 2012, 388, 062003.	0.3	0
121	Positron scattering from noble gases. Journal of Physics: Conference Series, 2012, 388, 012020.	0.3	3
122	Two-center convergent-close-coupling calculations of positron scattering on magnesium. Physical Review A, 2012, 86, .	1.0	21
123	Fully differential cross section for single ionization in energetic C 6^+ -He collisions. Physical Review A, 2012, 86, .	1.0	21
124	Convergent close-coupling method for positron scattering from noble gases. New Journal of Physics, 2012, 14, 035002.	1.2	35
125	(e , $2e$) on helium: complete agreement between experiment and theory. Journal of Physics: Conference Series, 2012, 388, 042043.	0.3	0
126	Calculations of electron scattering from cadmium. Physical Review A, 2012, 85, .	1.0	12

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127	Relativistic convergent close-coupling method calculation of the spin polarization of electrons scattered elastically from zinc and mercury. <i>Physical Review A</i> , 2012, 85, .	1.0	16
128	J -matrix calculation of electron-helium S -wave scattering. II. Single ionization and single excitation. <i>Physical Review A</i> , 2012, 86, .	1.0	2
129	Nonperturbative electron-ion-scattering theory incorporating the M - \tilde{A} - \tilde{A} interaction. <i>Physical Review A</i> , 2012, 86, .	1.0	8
130	Relativistic convergent close-coupling calculation of spin asymmetries for electron-thallium scattering. <i>Physical Review A</i> , 2012, 86, .	1.0	5
131	Electron- and photon-impact atomic ionisation. <i>Physics Reports</i> , 2012, 520, 135-174.	10.3	127
132	Electron scattering in a helium Debye plasma. <i>Chemical Physics</i> , 2012, 398, 214-220.	0.9	23
133	Polarization of the Lyman- $\hat{1}$ X-ray line emitted by hydrogen-like Ti ²¹⁺ , Ar ¹⁷⁺ , and Fe ²⁵⁺ ions excited by electron impact. This review is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. <i>Canadian Journal of Physics</i> , 2011, 89, 503-507.	0.4	6
134	Creation, destruction, and transfer of atomic multipole moments by electron scattering: relativistic treatment. This article is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. <i>Canadian Journal of Physics</i> , 2011, 89, 521-531.	0.4	3
135	Polarization and anisotropic emission of K-shell radiation from heavy few electron ions. This article is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. <i>Canadian Journal of Physics</i> , 2011, 89, 513-519.	0.4	3
136	Positron scattering from neon and argon. <i>Physical Review A</i> , 2011, 83, .	1.0	65
137	Convergent close-coupling calculations of positron-magnesium scattering. <i>Physical Review A</i> , 2011, 83, .	1.0	17
138	Low-energy positron interactions with krypton. <i>Physical Review A</i> , 2011, 83, .	1.0	39
139	Calculation of electron scattering from the ground state of ytterbium. <i>Physical Review A</i> , 2011, 83, .	1.0	14
140	Relativistic and Close-Coupling Effects in the Spin Polarization of Low-Energy Electrons Scattered Elastically from Cadmium. <i>Physical Review Letters</i> , 2011, 107, 093202.	2.9	12
141	J -matrix calculation of electron-helium S -wave scattering. <i>Physical Review A</i> , 2011, 84, .	1.0	6
142	Publisher's Note: Relativistic and Close-Coupling Effects in the Spin Polarization of Low-Energy Electrons Scattered Elastically from Cadmium [<i>Phys. Rev. Lett.</i> 107 (2011), 093202]. <i>Physical Review Letters</i> , 2011, 107, .	2.9	0
143	Convergent close-coupling calculations of helium single ionization by antiproton impact. <i>Physical Review A</i> , 2011, 84, .	1.0	18
144	Close-coupling calculations of 64.6 eV e-He ionization. <i>Journal of Physics: Conference Series</i> , 2011, 288, 012002.	0.3	2

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145	Experimental determination of the scattering length for positron scattering from krypton. European Physical Journal D, 2011, 64, 317-321.	0.6	37
146	Electron-impact ionization of helium: A comprehensive experiment benchmarks theory. Physical Review A, 2011, 83, .	1.0	49
147	Electron-impact coherence parameters for electron-impact excitation of laser-excited 174Yb ($6s6p\ ^3P_1$). Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 075201.	0.6	3
148	Differential cross sections for electron-impact excitation of laser-excited 174Yb ($6s6p\ ^3P_1$). Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 015202.	0.6	5
149	Electron-helium scattering in Debye plasmas. Physical Review A, 2011, 84, .	1.0	32
150	Benchmark cross sections for electron-impact total single ionization of helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 061001.	0.6	16
151	Differential cross sections for electron impact excitation of the $n=2$ states of helium at intermediate energies (80, 100 and 120 eV) measured across the complete angular scattering range (0° – 180°). Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 045209.	0.6	11
152	Convergent close-coupling approach to positron and antiproton collisions with atoms. Journal of Physics: Conference Series, 2011, 262, 012028.	0.3	2
153	Low-energy positron interactions with xenon. New Journal of Physics, 2011, 13, 125004.	1.2	26
154	Benchmark Calculations of Electron-Impact Differential Cross Sections. , 2011, , .		0
155	Three-dimensional cross sections for electron impact ionization of atoms and molecules. Journal of Physics: Conference Series, 2010, 212, 012003.	0.3	2
156	A two-centre convergent close-coupling approach to positron-helium collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 031001.	0.6	21
157	Convergence study of the close-coupling approach to positron-helium collisions. Journal of Physics: Conference Series, 2010, 199, 012021.	0.3	2
158	Spin-resolved electron-impact ionisation of atoms. Journal of Physics: Conference Series, 2010, 212, 012017.	0.3	1
159	Quantum-statistical T-matrix approach to line broadening of hydrogen in dense plasmas. AIP Conference Proceedings, 2010, , .	0.3	8
160	Differential cross sections of double photoionization of lithium. Physical Review A, 2010, 82, .	1.0	8
161	Relativistic convergent close-coupling method applied to electron scattering from mercury. Physical Review A, 2010, 82, .	1.0	31
162	Tracing multiple scattering patterns in absolute $\langle \mathbf{r} \rangle$ of H^+ Tj ET	1.0	36

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163	Convergent close-coupling calculations of positron scattering on metastable helium. Physical Review A, 2010, 82, .	1.0	12
164	Single ionization of helium by electron impact. Physical Review A, 2010, 81, .	1.0	22
165	Convergent-close-coupling calculations for excitation and ionization processes of electron-hydrogen collisions in Debye plasmas. Physical Review A, 2010, 82, .	1.0	61
166	Benchmark calculations for electron impact ionization and ionization-excitation of magnesium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 165205.	0.6	3
167	Spin effects in double photoionization of lithium. Physical Review A, 2010, 81, .	1.0	20
168	Ionization of helium by 64.6 eV electrons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074028.	0.6	6
169	A detailed study of electron impact ionization of Ne(2s) and Ar(3s). Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 125202.	0.6	6
170	Multiconfigurational two-centre convergent close-coupling approach to positron scattering on helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 125203.	0.6	33
171	Benchmark Integral Cross Sections for Electron Impact Excitation of the $n=2$ States in Helium. Plasma Science and Technology, 2010, 12, 348-352.	0.7	5
172	Relativistic convergent close-coupling method: Calculations of electron scattering from cesium. Physical Review A, 2009, 80, .	1.0	26
173	High-resolution positron scattering from helium: Grand total and positronium-formation cross sections. Physical Review A, 2009, 80, .	1.0	35
174	Fully differential cross-section measurements for electron-impact ionization of neon and xenon. Physical Review A, 2009, 79, .	1.0	30
175	Triple differential cross sections for the electron-impact ionization of helium at 102 eV incident energy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 145002.	0.6	32
176	Benchmark differential cross sections for electron impact excitation of the $n=2$ states in helium at near-ionization-threshold energies. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 145202.	0.6	10
177	Electron impact ionization of ground-state and metastable Li ⁺ ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 025203.	0.6	27
178	Electron-impact ionization of B ³⁺ ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175203.	0.6	10
179	Relativistic convergent close-coupling method: Calculation of electron scattering from hydrogenlike ions. Physical Review A, 2009, 80, .	1.0	55
180	Emission cross sections for electron-impact excitation of zinc atoms. Physical Review A, 2009, 79, .	1.0	15

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181	Two-electron photoionization of ground-state lithium. <i>Physical Review A</i> , 2009, 80, .	1.0	16
182	Electron scattering from atomic gallium. <i>Journal of Physics: Conference Series</i> , 2009, 185, 012008.	0.3	2
183	Relativistic Convergent Close-Coupling method for excitation and ionization processes in electron collisions with atoms and ions. <i>Journal of Physics: Conference Series</i> , 2009, 194, 042005.	0.3	1
184	Inclusion of the Breit interaction in the relativistic convergent close-coupling method. <i>Journal of Physics: Conference Series</i> , 2009, 194, 062005.	0.3	1
185	Exploring differences of atomic and molecular ionization by electron impact. <i>Journal of Physics: Conference Series</i> , 2009, 194, 052019.	0.3	0
186	Calculation of electron-impact ionization of potassium. <i>Journal of Physics: Conference Series</i> , 2009, 194, 042036.	0.3	1
187	Creation, destruction, and transfer of atomic multipole moments by electron scattering: Quantum mechanical treatment. <i>Journal of Physics: Conference Series</i> , 2009, 194, 042002.	0.3	0
188	Convergent close-coupling calculations of positron-helium collisions. <i>Journal of Physics: Conference Series</i> , 2009, 194, 072009.	0.3	1
189	Electron-impact ionisation of atoms and ions. <i>Journal of Physics: Conference Series</i> , 2009, 185, 012003.	0.3	1
190	Electron-impact excitation and ionization cross sections for ground state and excited helium atoms. <i>Atomic Data and Nuclear Data Tables</i> , 2008, 94, 603-622.	0.9	123
191	(e,2e) ionization of helium and the hydrogen molecule: signature of two-centre interference effects. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 025204.	0.6	74
192	Absolute cross sections for the ionization-excitation of helium by electron impact. <i>Physical Review A</i> , 2008, 78, .	1.0	28
193	Fully Relativistic Convergent Close-Coupling Method for Excitation and Ionization Processes in Electron Collisions with Atoms and Ions. <i>Physical Review Letters</i> , 2008, 100, 113201.	2.9	79
194	(e, 2e) triple differential cross-sections for ionization beyond helium: the neon case at large energy transfer. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 085205.	0.6	25
195	Calculation of electron-impact $4s \rightarrow 4p$ excitation of calcium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 145206.	0.6	4
196	Fully differential cross sections for electron-impact ionization of sodium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 215203.	0.6	14
197	Electron-impact excitation of the $2s \rightarrow 2p$ transition in helium. <i>Physical Review A</i> , 2008, 77, .	1.0	28
198	Higher-order contributions observed in three-dimensional e^+e^- measurements at 1-keV impact energy. <i>Physical Review A</i> , 2008, 77, .	1.0	41

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199	Creation, destruction, and transfer of atomic multipole moments by electron scattering: Quantum-mechanical treatment. <i>Physical Review A</i> , 2008, 78, .	1.0	10
200	RECENT PROGRESS IN ATOMIC IONISATION THEORY. , 2008, , .		0
201	Single ionization of helium by 730 eV electrons. <i>Physical Review A</i> , 2007, 75, .	1.0	6
202	Absolute triple-differential cross sections for ionization-excitation of helium. <i>Physical Review A</i> , 2007, 76, .	1.0	13
203	Theory of Electron Impact Ionization of Atoms. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
204	($e, e\hat{1}^3$)-coincidence studies to determine spin-resolved Stokes parameters of the 185 nm emission line in mercury. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 2403-2410.	0.6	8
205	Single ionization of helium by 102 eV electron impact: three-dimensional images for electron emission. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4097-4111.	0.6	64
206	Benchmark experiment and theory for near-threshold excitation of helium by electron impact. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4179-4190.	0.6	19
207	Total polarization of the 185 nm emission line of mercury excited by electron impact. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4435-4442.	0.6	7
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