

Igor Bray

List of Publications by Year in descending order

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562
papers

12,205
citations

36303

51
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58581

82
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567
all docs

567
docs citations

567
times ranked

2666
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergent close-coupling calculations of electron-hydrogen scattering. <i>Physical Review A</i> , 1992, 46, 6995-7011.	2.5	467
2	Calculation of electron-helium scattering. <i>Physical Review A</i> , 1995, 52, 1279-1297.	2.5	314
3	Calculation of the total ionization cross section and spin asymmetry in electron-hydrogen scattering from threshold to 500 eV. <i>Physical Review Letters</i> , 1993, 70, 746-749.	7.8	208
4	Convergent close-coupling method for the calculation of electron scattering on hydrogenlike targets. <i>Physical Review A</i> , 1994, 49, 1066-1082.	2.5	208
5	Electrons and photons colliding with atoms: development and application of the convergent close-coupling method. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, R117-R146.	1.5	202
6	LXCat: an Open-Access, Web-Based Platform for Data Needed for Modeling Low Temperature Plasmas. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600098.	3.0	188
7	Explicit demonstration of the convergence of the close-coupling method for a Coulomb three-body problem. <i>Physical Review Letters</i> , 1992, 69, 53-56.	7.8	170
8	Close-Coupling Approach to Coulomb Three-Body Problems. <i>Physical Review Letters</i> , 2002, 89, 273201.	7.8	170
9	Calculation of ionization within the close-coupling formalism. <i>Physical Review A</i> , 1996, 54, 2991-3004.	2.5	155
10	Convergent close-coupling calculations of electron - helium scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 757-785.	1.5	130
11	Electron- and photon-impact atomic ionisation. <i>Physics Reports</i> , 2012, 520, 135-174.	25.6	127
12	Application of the CCC method to the calculation of helium double-photoionization triply differential cross sections. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, L447-L453.	1.5	126
13	Absolute triple differential cross sections for photo-double ionization of helium - experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 5149-5160.	1.5	124
14	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.	2.4	123
15	Close-Coupling Theory of Ionization: Successes and Failures. <i>Physical Review Letters</i> , 1997, 78, 4721-4724.	7.8	122
16	Calculation of Electron Scattering on Hydrogenic Targets. <i>Advances in Atomic, Molecular and Optical Physics</i> , 1995, , 209-254.	2.3	120
17	Photoionization with excitation and double photoionization of the helium isoelectronic sequence. <i>Physical Review A</i> , 1998, 58, 4501-4511.	2.5	115
18	Mechanisms of Photo Double Ionization of Helium by 530 eV Photons. <i>Physical Review Letters</i> , 2002, 89, 033004.	7.8	111

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19	Two-center convergent close-coupling approach to positron-hydrogen collisions. <i>Physical Review A</i> , 2002, 66, .	2.5	101
20	Physics book: CRYRING@ESR. <i>European Physical Journal: Special Topics</i> , 2016, 225, 797-882.	2.6	101
21	A comparative experimental and theoretical investigation of the electron-impact double ionization of He in the keV regime. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 5047-5065.	1.5	100
22	Electron-impact ionization of atomic hydrogen from the 1S and 2S states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, L577-L583.	1.5	98
23	Convergent close-coupling calculations of electron scattering on helium-like atoms and ions: electron - beryllium scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 5895-5913.	1.5	89
24	Calculation of double photoionization of helium using the convergent close-coupling method. <i>Physical Review A</i> , 1996, 54, R995-R997.	2.5	83
25	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.	7.8	79
26	Electron-impact ionization of helium for equal-energy-sharing kinematics. <i>Physical Review A</i> , 2005, 71, .	2.5	75
27	(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.	1.5	74
28	Calculation of electron-impact ionization of lithium-like targets. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, L247-L254.	1.5	73
29	Surface-integral formulation of scattering theory. <i>Annals of Physics</i> , 2009, 324, 1516-1546.	2.8	72
30	Low-energy electron-impact ionization of atomic hydrogen with equal energy outgoing electrons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 581-595.	1.5	71
31	Exact second-order distorted-wave calculation for hydrogen including second-order exchange. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1991, 24, 3861-3888.	1.5	68
32	Ultrafast electron dynamics in metals under laser irradiation. <i>Physical Review B</i> , 1999, 60, 3279-3288.	3.2	68
33	Physical Mechanisms and Scaling Laws of K -Shell Double Photoionization. <i>Physical Review Letters</i> , 2009, 102, 073006.	7.8	68
34	Calculation of electron scattering on the He ⁺ ion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, L831-L836.	1.5	66
35	Positron scattering from neon and argon. <i>Physical Review A</i> , 2011, 83, .	2.5	65
36	Convergent Close-Coupling Method: A Complete Scattering Theory. <i>Physical Review Letters</i> , 1996, 76, 2674-2677.	7.8	64

#	ARTICLE	IF	CITATIONS
37	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.	1.5	64
38	Calculation of Electron Impact Total, Ionization, and Nonbreakup Cross Sections from the 3S and 3P States of Sodium. <i>Physical Review Letters</i> , 1994, 73, 1088-1090.	7.8	63
39	Convergent-close-coupling calculations for excitation and ionization processes of electron-hydrogen collisions in Debye plasmas. <i>Physical Review A</i> , 2010, 82, .	2.5	61
40	Simplified model of electron scattering using R-matrix methods. <i>Physical Review A</i> , 1995, 52, 1334-1343.	2.5	59
41	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.	1.5	59
42	Absolute Triply Differential (e,2e) Cross Section Measurements for H with Comparison to Theory. <i>Physical Review Letters</i> , 1997, 79, 1666-1669.	7.8	58
43	Recent progress in the description of positron scattering from atoms using the convergent close-coupling theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 222002.	1.5	58
44	Absolute triple differential cross section for electron-impact ionization of helium at 40 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 2103-2114.	1.5	57
45	Effect of the ground-state correlations on the helium double photoionization and ionization with excitation. <i>Physical Review A</i> , 1998, 57, 2590-2595.	2.5	57
46	Calculation of Circular Dichroism in Helium Double Photoionization. <i>Physical Review Letters</i> , 1998, 81, 4588-4591.	7.8	56
47	DATABASE FOR INELASTIC COLLISIONS OF LITHIUM ATOMS WITH ELECTRONS, PROTONS, AND MULTIPLY CHARGED IONS. <i>Atomic Data and Nuclear Data Tables</i> , 1999, 72, 239-273.	2.4	56
48	Relativistic convergent close-coupling method: Calculation of electron scattering from hydrogenlike ions. <i>Physical Review A</i> , 2009, 80, .	2.5	55
49	Antihydrogen Formation via Antiproton Scattering with Excited Positronium. <i>Physical Review Letters</i> , 2015, 114, 183201.	7.8	53
50	Calculation of triple-differential cross sections in electron scattering on atomic hydrogen. <i>Physical Review A</i> , 1994, 50, R2818-R2821.	2.5	52
51	Electron scattering by atomic hydrogen: Elastic and inelastic phenomena at 13.9-200 eV. <i>Physical Review A</i> , 1991, 44, 5586-5598.	2.5	51
52	Calculation of electron impact excitation and ionization of. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, L109-L114.	1.5	50
53	S-wave model for electron-hydrogen scattering. <i>Physical Review A</i> , 1996, 54, R1002-R1005.	2.5	49
54	Electron-impact ionization of helium: A comprehensive experiment benchmarks theory. <i>Physical Review A</i> , 2011, 83, .	2.5	49

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73	Absolute double differential cross sections for electron-impact ionization of helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 1309-1322.	1.5	39
74	Calculation of electron scattering from the ground state of barium. Physical Review A, 1999, 59, 282-294.	2.5	39
75	Low-energy positron interactions with krypton. Physical Review A, 2011, 83, .	2.5	39
76	Positron scattering from argon: total cross sections and the scattering length. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 015203.	1.5	39
77	Spin-dependent observables in electron-sodium scattering calculated using the coupled-channel optical method. Physical Review A, 1993, 47, 317-326.	2.5	38
78	Equal energy-sharing double photoionization of helium from near-threshold to high energies. Physical Review A, 2000, 62, .	2.5	38
79	Iteratively-coupled propagating exterior complex scaling method for electron-hydrogen collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L69-L76.	1.5	38
80	Kerr black hole as a gravitational lens. Physical Review D, 1986, 34, 367-372.	4.7	37
81	Experimental determination of the scattering length for positron scattering from krypton. European Physical Journal D, 2011, 64, 317-321.	1.3	37
82	Cross sections for electron scattering from the ground state of mercury. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 4255-4271.	1.5	36
83	Asymptotic behavior of the Coulomb three-body scattered wave. Physical Review A, 2003, 68, .	2.5	36
84	Low-energy positron-helium convergent close coupling calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L1-L6.	1.5	36
85	Convergent calculations of double ionization of helium: From $(\hat{1}^3, 2e)$ to $(e, 3e)$ processes. Physical Review A, 2004, 69, .	2.5	36
86	Tracing multiple scattering patterns in absolute $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mo} \rangle \langle \text{mml:mn} 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \rangle \text{Tj ET}$	2.5	36
87	Calculation of antihydrogen formation via antiproton scattering with excited positronium. Physical Review A, 2016, 93, .	2.5	36
88	$\{m \text{ He} \} (1, ^1\{m \text{ S}\},, 2, ^3\{m \text{ S}\},, 2, ^1\{m \text{ S}\},, 2, ^3\{m \text{ P}\} o, n, ^\{1,3\} L)\$: Thermally averaged electron collision strengths for n \leq 5. Astronomy and Astrophysics, 2000, 146, 481-498.$	2.1	36
89	Electron-impact excitation and ionization of. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L435-L440.	1.5	35
90	High-resolution positron scattering from helium: Grand total and positronium-formation cross sections. Physical Review A, 2009, 80, .	2.5	35

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91	Convergent close-coupling method for positron scattering from noble gases. <i>New Journal of Physics</i> , 2012, 14, 035002.	2.9	35
92	Calculation of the total and total ionization cross sections for positron scattering on atomic hydrogen. <i>Physical Review A</i> , 1994, 49, R2224-R2226.	2.5	34
93	Electron-impact-excitation cross sections of hydrogenlike ions. <i>Physical Review A</i> , 1997, 55, 329-334.	2.5	34
94	On the convergence of close-coupling results for low-energy electron scattering from magnesium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 2617-2639.	1.5	34
95	Coulomb Breakup Problem. <i>Physical Review Letters</i> , 2008, 101, 230405.	7.8	34
96	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.	1.5	34
97	Benchmark Nonperturbative Calculations for the Electron-Impact Ionization of Li(2s) and Li(2p). <i>Physical Review Letters</i> , 2001, 87, 213201.	7.8	33
98	Measurements of the ionization of atomic hydrogen by 17.6-eV electrons. <i>Physical Review A</i> , 2003, 67, .	2.5	33
99	Near-Threshold Positron-Impact Ionization of Atomic Hydrogen. <i>Physical Review Letters</i> , 2007, 98, 263202.	7.8	33
100	Multiconfigurational two-centre convergent close-coupling approach to positron scattering on helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 125203.	1.5	33
101	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, .	2.5	33
102	Convergent calculations for simultaneous electron-impact ionization-excitation of helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, L433-L438.	1.5	32
103	Symmetrized amplitudes of the helium-atom double photoionization. <i>Physical Review A</i> , 2002, 65, .	2.5	32
104	Triple differential cross sections for the electron-impact ionization of helium at 102 eV incident energy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 145002.	1.5	32
105	Electron-helium scattering in Debye plasmas. <i>Physical Review A</i> , 2011, 84, .	2.5	32
106	Coupled-channel optical calculation of electron-hydrogen scattering: Elastic scattering from 0.5 to 30 eV. <i>Physical Review A</i> , 1991, 43, 5878-5885.	2.5	31
107	Low-energy electron-impact ionization of helium. <i>Physical Review A</i> , 1998, 57, R3161-R3164.	2.5	31
108	Box-based convergent close-coupling method for solving Coulomb few-body problems. <i>Physical Review A</i> , 2003, 67, .	2.5	31

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109	Relativistic convergent close-coupling method applied to electron scattering from mercury. Physical Review A, 2010, 82, .	2.5	31
110	Coupled channels in the distorted-wave representation. Physical Review A, 1989, 39, 4998-5009.	2.5	30
111	Fully differential cross-section measurements for electron-impact ionization of neon and xenon. Physical Review A, 2009, 79, .	2.5	30
112	Time-dependent model calculations for a molecular hydrogen ion in a strong ultra-short laser pulse. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 3325-3336.	1.5	29
113	Convergent close-coupling calculation of electron-sodium scattering. Physical Review A, 1994, 49, R1-R4.	2.5	28
114	Benchmark calculations for e - H scattering between the $n=2$ and $n=3$ thresholds. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5493-5503.	1.5	28
115	Double-photoionization calculations of the helium metastable $2^1, 3^1S$ states. Physical Review A, 2000, 62, .	2.5	28
116	Absolute cross sections for the ionization-excitation of helium by electron impact. Physical Review A, 2008, 78, .	2.5	28
117	Electron-impact excitation of the $3s \rightarrow 3p$ lines in low-Z Li-like ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 81, 371-384.	2.5	28
118	Title is missing!. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 895-913.	1.5	27
119	Electron-impact broadening of the $3s \rightarrow 3p$ lines in low-Z Li-like ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 81, 371-384.	2.3	27
120	Theory of electron-impact ionization of atoms. Physical Review A, 2004, 70, .	2.5	27
121	Partial Photoionization Cross Sections and Angular Distributions for Double Excitation of Helium up to the $N=13$ Threshold. Physical Review Letters, 2005, 95, 243003.	7.8	27
122	Electron impact ionization of ground-state and metastable Li+ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 025203.	1.5	27
123	Two-center convergent close-coupling calculations for positron-lithium collisions. Physical Review A, 2010, 82, .	2.5	27
124	Adiabatic-nuclei calculations of positron scattering from molecular hydrogen. Physical Review A, 2017, 95, .	2.5	27
125	Wave-packet continuum-discretization approach to single ionization of helium by antiprotons and energetic protons. Physical Review A, 2017, 96, .	2.5	27
126	Calculation of singly differential cross sections of electron-impact ionization of helium at 100 eV. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L435-L441.	1.5	26

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127	Calculation of electron scattering from the metastable states of helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L197-L202.	1.5	26
128	Superelastic electron scattering on lithium. Physical Review A, 1996, 54, R9-R12.	2.5	26
129	Convergence of two-centre expansions in positron-hydrogen collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L635-L640.	1.5	26
130	Comparative theoretical study of (e, 3e) on helium: Coulomb-waves versus close-coupling approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, L15-L21.	1.5	26
131	Relativistic convergent close-coupling method: Calculations of electron scattering from cesium. Physical Review A, 2009, 80, .	2.5	26
132	Coupled-channel integral-equation approach to antiproton-hydrogen collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 075204.	1.5	26
133	Low-energy positron interactions with xenon. New Journal of Physics, 2011, 13, 125004.	2.9	26
134	Target Structure-Induced Suppression of the Ionization Cross Section for Low-Energy Antiproton-Molecular Hydrogen Collisions: Theoretical Confirmation. Physical Review Letters, 2013, 111, 173201.	7.8	26
135	Low-energy electron-impact ionization of helium. Physical Review A, 2005, 72, .	2.5	25
136	Electron-impact ionization cross sections out of the ground and 6P2 excited states of cesium. Physical Review A, 2006, 74, .	2.5	25
137	(e, 2e) triple differential cross-sections for ionization beyond helium: the neon case at large energy transfer. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 085205.	1.5	25
138	Theoretical study of the Li^{\pm} capture process in a three-body model. Physical Review C, 2016, 94, .	2.9	25
139	Quantum suppression of antihydrogen formation in positronium-antiproton scattering. Nature Communications, 2017, 8, 1544.	12.8	25
140	Convergent close-coupling method for electron scattering on helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, L421-L425.	1.5	24
141	Absolute triple differential cross section for electron-impact ionization of helium at 50 eV. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L67-L73.	1.5	24
142	Convergent close-coupling calculations of electron - beryllium scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L273-L277.	1.5	24
143	Superelastic electron - lithium scattering at 7 and 14 eV. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, L187-L191.	1.5	24
144	Spin Asymmetries in Low-Energy Electron Scattering from Cesium Atoms. Physical Review Letters, 1999, 82, 1128-1131.	7.8	24

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145	Two-center close-coupling calculations of positron-molecular-hydrogen scattering. Physical Review A, 2015, 92, .	2.5	24
146	Electron-impact dissociation of molecular hydrogen into neutral fragments. European Physical Journal D, 2018, 72, 1.	1.3	24
147	Proton scattering from excited states of atomic hydrogen. Plasma Physics and Controlled Fusion, 2018, 60, 095009.	2.1	24
148	Wave-packet continuum-discretization approach to proton collisions with helium. Physical Review A, 2019, 99, .	2.5	24
149	Complete collision data set for electrons scattering on molecular hydrogen and its isotopologues: I. Fully vibrationally-resolved electronic excitation of H ₂		

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163	Antiproton stopping in atomic targets. <i>Physical Review A</i> , 2015, 92, .	2.5	22
164	Roadmap on photonic, electronic and atomic collision physics: II. Electron and antimatter interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 171002.	1.5	22
165	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.	1.5	22
166	Convergent close-coupling calculation of singly differential cross sections in the ionization of atomic hydrogen by electron impact. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994, 27, L413-L419.	1.5	21
167	Spin dependence of $(e, 2e)$ collisions on lithium at 54.4 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 4401-4411.	1.5	21
168	A mixture model for rounded data. <i>Journal of the Royal Statistical Society: Series D (the Statistician)</i> , 2003, 52, 3-13.	0.2	21
169	Electron-impact ionization of the helium metastable 23S state. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 1663-1671.	1.5	21
170	Double photoionization of He and H ₂ at unequal energy sharing. <i>Physical Review A</i> , 2005, 72, .	2.5	21
171	Database for inelastic collisions of sodium atoms with electrons, protons, and multiply charged ions. <i>Atomic Data and Nuclear Data Tables</i> , 2008, 94, 981-1014.	2.4	21
172	A two-centre convergent close-coupling approach to positron-helium collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 031001.	1.5	21
173	Two-center convergent-close-coupling calculations of positron scattering on magnesium. <i>Physical Review A</i> , 2012, 86, .	2.5	21
174	Fully differential cross section for single ionization in energetic C ⁶⁺ -He collisions. <i>Physical Review A</i> , 2012, 86, .	2.5	21
175	astrophysical capture process in a three-body model. II. Reaction rates and primordial abundance. <i>Physical Review C</i> , 2018, 98, .	2.9	21
176	Coupled-channel optical calculation of electron-hydrogen scattering: The distorted-wave optical potential. <i>Physical Review A</i> , 1990, 41, 5916-5928.	2.5	20
177	Calculation of electron-lithium scattering using the coupled-channel optical method. <i>Physical Review A</i> , 1993, 47, 1101-1110.	2.5	20
178	Simplified Model of Electron Scattering on Atomic Hydrogen. <i>Atomic Data and Nuclear Data Tables</i> , 1994, 58, 67-75.	2.4	20
179	Superelastic electron scattering from potassium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, L867-L872.	1.5	20
180	Polarization of Lyman- α radiation from atomic hydrogen excited by electron impact from near threshold to 1800 eV. <i>Physical Review A</i> , 1998, 57, 1787-1797.	2.5	20

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181	Excitation of the $3P$ state of magnesium by electron impact from the ground state. <i>Physical Review A</i> , 2001, 63, .	2.5	20
182	Electron-impact ionization of atomic hydrogen at incident electron energies of 15.6, 17.6, 25, and 40 eV. <i>Physical Review A</i> , 2003, 68, .	2.5	20
183	On convergence of the close-coupling method for calculating electron-hydrogen ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 2203-2209.	1.5	20
184	Influence of long-lived metastable levels on the electron-impact single ionization of C^{2+} . <i>Physical Review A</i> , 2005, 71, .	2.5	20
185	Spin effects in double photoionization of lithium. <i>Physical Review A</i> , 2010, 81, .	2.5	20
186	Near-threshold behavior of positronium-antiproton scattering. <i>Physical Review A</i> , 2016, 94, .	2.5	20
187	Ionization and electron capture in collisions of bare carbon ions with hydrogen. <i>Physical Review A</i> , 2018, 98, .	2.5	20
188	Electron capture, excitation and ionization in $He^{2+} + H$ and $H^{+} + He^{+}$ collisions. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 095005.	2.1	20
189	Theoretical triple differential cross section of the helium atom ionization with excitation to the $n=2$ ion state. <i>Physical Review A</i> , 1994, 50, 4700-4706.	2.5	19
190	Calculation of electron-helium scattering at 40 eV. <i>Physical Review A</i> , 1995, 51, 500-503.	2.5	19
191	Electron impact excitation of the 3D states of helium: comparison between experiment and theory at 30 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 3459-3473.	1.5	19
192	Near-threshold electron impact ionization of atomic hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, L309-L315.	1.5	19
193	Experimental and theoretical study of linear and circular dichroism in helium double photoionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, L501-L509.	1.5	19
194	Polarization study of the extreme-ultraviolet emission from helium following electron impact. <i>Physical Review A</i> , 1999, 60, 1187-1198.	2.5	19
195	A procedure to extract the complex amplitudes of He photodouble ionization from experimental data. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, L241-L247.	1.5	19
196	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.	1.5	19
197	Close-coupling approach to antiproton-impact breakup of molecular hydrogen. <i>Physical Review A</i> , 2014, 89, .	2.5	19
198	Internal consistency in positron-hydrogen-scattering calculations. <i>Physical Review A</i> , 2015, 91, .	2.5	19

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199	Energy electron scattering from molecular hydrogen: Excitation of the $X^1\Sigma^+$ state. <i>Physical Review A</i> , 1998, 58, 013401.	2.5	19
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