

# Igor Bray

## List of Publications by Citations

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528  
papers

10,752  
citations

49  
h-index

78  
g-index

567  
ext. papers

11,519  
ext. citations

2.3  
avg, IF

6.41  
L-index

#	Paper	IF	Citations
528	Convergent close-coupling calculations of electron-hydrogen scattering. <i>Physical Review A</i> , <b>1992</b> , 46, 6995-7011	2.6	441
527	Calculation of electron-helium scattering. <i>Physical Review A</i> , <b>1995</b> , 52, 1279-1297	2.6	300
526	Calculation of the total ionization cross section and spin asymmetry in electron-hydrogen scattering from threshold to 500 eV. <i>Physical Review Letters</i> , <b>1993</b> , 70, 746-749	7.4	201
525	Convergent close-coupling method for the calculation of electron scattering on hydrogenlike targets. <i>Physical Review A</i> , <b>1994</b> , 49, 1066-1082	2.6	197
524	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> , <b>2002</b> , 35, R117-R146	1.3	185
523	Explicit demonstration of the convergence of the close-coupling method for a Coulomb three-body problem. <i>Physical Review Letters</i> , <b>1992</b> , 69, 53-56	7.4	164
522	Close-coupling approach to Coulomb three-body problems. <i>Physical Review Letters</i> , <b>2002</b> , 89, 273201	7.4	159
521	Calculation of ionization within the close-coupling formalism. <i>Physical Review A</i> , <b>1996</b> , 54, 2991-3004	2.6	152
520	Convergent close-coupling calculations of electron - helium scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1997</b> , 30, 757-785	1.3	124
519	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> , <b>1998</b> , 31, 5149-5160	1.3	120
518	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> , <b>1998</b> , 31, L447-L453	1.3	119
517	Close-Coupling Theory of Ionization: Successes and Failures. <i>Physical Review Letters</i> , <b>1997</b> , 78, 4721-4724	7.4	118
516	Calculation of Electron Scattering on Hydrogenic Targets. <i>Advances in Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 209-254	1.7	114
515	Electron- and photon-impact atomic ionisation. <i>Physics Reports</i> , <b>2012</b> , 520, 135-174	27.7	112
514	LXCat: an Open-Access, Web-Based Platform for Data Needed for Modeling Low Temperature Plasmas. <i>Plasma Processes and Polymers</i> , <b>2017</b> , 14, 1600098	3.4	111
513	Mechanisms of photo double ionization of helium by 530 eV photons. <i>Physical Review Letters</i> , <b>2002</b> , 89, 033004	7.4	108
512	Photoionization with excitation and double photoionization of the helium isoelectronic sequence. <i>Physical Review A</i> , <b>1998</b> , 58, 4501-4511	2.6	107

511	Electron-impact ionization of atomic hydrogen from the 1S and 2S states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1996</b> , 29, L577-L583	1.3	95
510	Electron-impact excitation and ionization cross sections for ground state and excited helium atoms. <i>Atomic Data and Nuclear Data Tables</i> , <b>2008</b> , 94, 603-622	2	93
509	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> , <b>1999</b> , 32, 5047-5065	1.3	93
508	Two-center convergent close-coupling approach to positron-hydrogen collisions. <i>Physical Review A</i> , <b>2002</b> , 66,	2.6	89
507	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> , <b>1997</b> , 30, 5895-5913	1.3	79
506	Calculation of double photoionization of helium using the convergent close-coupling method. <i>Physical Review A</i> , <b>1996</b> , 54, R995-R997	2.6	79
505	Electron-impact ionization of helium for equal-energy-sharing kinematics. <i>Physical Review A</i> , <b>2005</b> , 71,	2.6	74
504	Fully relativistic convergent close-coupling method for excitation and ionization processes in electron collisions with atoms and ions. <i>Physical Review Letters</i> , <b>2008</b> , 100, 113201	7.4	73
503	Calculation of electron-impact ionization of lithium-like targets. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 28, L247-L254	1.3	72
502	(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> , <b>2008</b> , 41, 025204	1.3	71
501	Physics book: CRYRING@ESR. <i>European Physical Journal: Special Topics</i> , <b>2016</b> , 225, 797-882	2.3	67
500	Low-energy electron-impact ionization of atomic hydrogen with equal energy outgoing electrons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, 581-595	1.3	66
499	Calculation of electron scattering on the He <sup>+</sup> ion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1993</b> , 26, L831-L836	1.3	63
498	Surface-integral formulation of scattering theory. <i>Annals of Physics</i> , <b>2009</b> , 324, 1516-1546	2.5	62
497	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> , <b>2006</b> , 39, 4097-4111	1.3	62
496	Exact second-order distorted-wave calculation for hydrogen including second-order exchange. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1991</b> , 24, 3861-3888	1.3	62
495	Calculation of electron impact total, ionization, and nonbreakup cross sections from the 3S and 3P states of sodium. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1088-1090	7.4	61
494	Positron scattering from neon and argon. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	60

493	Physical mechanisms and scaling laws of K-shell double photoionization. <i>Physical Review Letters</i> , <b>2009</b> , 102, 073006	7.4	60
492	Ultrafast electron dynamics in metals under laser irradiation. <i>Physical Review B</i> , <b>1999</b> , 60, 3279-3288	3.3	60
491	Simplified model of electron scattering using R-matrix methods. <i>Physical Review A</i> , <b>1995</b> , 52, 1334-1343	2.6	59
490	Convergent close-coupling method: A "Complete scattering theory"?. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2674-2677	7.4	59
489	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> , <b>1996</b> , 29, 2103-2114	1.3	55
488	Absolute Triply Differential (e,2e) Cross Section Measurements for H with Comparison to Theory. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1666-1669	7.4	55
487	Calculation of Circular Dichroism in Helium Double Photoionization. <i>Physical Review Letters</i> , <b>1998</b> , 81, 4588-4591	7.4	55
486	Effect of the ground-state correlations on the helium double photoionization and ionization with excitation. <i>Physical Review A</i> , <b>1998</b> , 57, 2590-2595	2.6	53
485	Convergent-close-coupling calculations for excitation and ionization processes of electron-hydrogen collisions in Debye plasmas. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	52
484	DATABASE FOR INELASTIC COLLISIONS OF LITHIUM ATOMS WITH ELECTRONS, PROTONS, AND MULTIPLY CHARGED IONS. <i>Atomic Data and Nuclear Data Tables</i> , <b>1999</b> , 72, 239-273	2	51
483	Calculation of triple-differential cross sections in electron scattering on atomic hydrogen. <i>Physical Review A</i> , <b>1994</b> , 50, R2818-R2821	2.6	51
482	Electron scattering by atomic hydrogen: Elastic and inelastic phenomena at 13.9-200 eV. <i>Physical Review A</i> , <b>1991</b> , 44, 5586-5598	2.6	50
481	Relativistic convergent close-coupling method: Calculation of electron scattering from hydrogenlike ions. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	49
480	Calculation of electron impact excitation and ionization of. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1997</b> , 30, L109-L114	1.3	49
479	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> , <b>2016</b> , 49, 222002	1.3	47
478	Coplanar equal energy-sharing 64.6 eV e - He triple differential cross sections. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1997</b> , 30, L101-L108	1.3	47
477	Frozen-core model of the double photoionization of beryllium. <i>Physical Review A</i> , <b>2001</b> , 65,	2.6	47
476	S-wave model for electron-hydrogen scattering. <i>Physical Review A</i> , <b>1996</b> , 54, R1002-R1005	2.6	47

475	Antihydrogen Formation via Antiproton Scattering with Excited Positronium. <i>Physical Review Letters</i> , <b>2015</b> , 114, 183201	7.4	44
474	Electron-impact ionization of helium: A comprehensive experiment benchmarks theory. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	43
473	Valence-shell double photoionization of alkaline-earth-metal atoms. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	42
472	Time-independent and time-dependent close-coupling methods for the electron-impact ionization of , and. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, 911-924	1.3	42
471	The convergent close-coupling method for a Coulomb three-body problem. <i>Computer Physics Communications</i> , <b>1995</b> , 85, 1-17	4.2	41
470	Higher-order contributions observed in three-dimensional (e,2e) cross-section measurements at 1-keV impact energy. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	39
469	Photodouble ionization of helium at an excess energy of 40 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, 265-283	1.3	39
468	Calculation of electron scattering from the ground state of barium. <i>Physical Review A</i> , <b>1999</b> , 59, 282-294	2.6	39
467	Equal energy-sharing double photoionization of helium from near-threshold to high energies. <i>Physical Review A</i> , <b>2000</b> , 62,	2.6	38
466	Spin-dependent observables in electron-sodium scattering calculated using the coupled-channel optical method. <i>Physical Review A</i> , <b>1993</b> , 47, 317-326	2.6	38
465	Iteratively-coupled propagating exterior complex scaling method for electron-hydrogen collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2004</b> , 37, L69-L76	1.3	37
464	Electron and positron molecule scattering: development of the molecular convergent close-coupling method. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2017</b> , 50, 123001	1.3	36
463	Ejection of quasi-free-electron pairs from the helium-atom ground state by single-photon absorption. <i>Physical Review Letters</i> , <b>2013</b> , 111, 013003	7.4	36
462	Low-energy positron interactions with krypton. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	36
461	Stark broadening of the B III 2s $\bar{2}$ p lines. <i>Physical Review E</i> , <b>1997</b> , 56, 7186-7192	2.4	36
460	Absolute double differential cross sections for electron-impact ionization of helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1997</b> , 30, 1309-1322	1.3	36
459	Convergent calculations of double ionization of helium: From (D $\bar{2}$ e) to (e,3e) processes. <i>Physical Review A</i> , <b>2004</b> , 69,	2.6	36
458	Convergent close-coupling calculations of low-energy positron-atomic-hydrogen scattering. <i>Physical Review A</i> , <b>1993</b> , 48, 4787-4789	2.6	36

457	Complete Solution of Electronic Excitation and Ionization in Electron-Hydrogen Molecule Scattering. <i>Physical Review Letters</i> , <b>2016</b> , 116, 233201	7.4	35
456	Convergent-close-coupling formalism for positron scattering from molecules. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	35
455	Experimental determination of the scattering length for positron scattering from krypton. <i>European Physical Journal D</i> , <b>2011</b> , 64, 317-321	1.3	35
454	High-resolution positron scattering from helium: Grand total and positronium-formation cross sections. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	35
453	Asymptotic behavior of the Coulomb three-body scattered wave. <i>Physical Review A</i> , <b>2003</b> , 68,	2.6	35
452	Solution of the proton-hydrogen scattering problem using a quantum-mechanical two-center convergent close-coupling method. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 115203	1.3	35
451	Electron scattering from the molecular hydrogen ion and its isotopologues. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	34
450	Positron scattering from argon: total cross sections and the scattering length. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2012</b> , 45, 015203	1.3	34
449	Electron-impact excitation and ionization of. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1997</b> , 30, L435-L440	1.3	34
448	Cross sections for electron scattering from the ground state of mercury. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2003</b> , 36, 4255-4271	1.3	34
447	Convergent close-coupling method for positron scattering from noble gases. <i>New Journal of Physics</i> , <b>2012</b> , 14, 035002	2.9	33
446	Electron-impact-excitation cross sections of hydrogenlike ions. <i>Physical Review A</i> , <b>1997</b> , 55, 329-334	2.6	33
445	Low-energy positron-helium convergent close coupling calculations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2004</b> , 37, L1-L6	1.3	32
444	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> , <b>2004</b> , 37, 2617-2639	1.3	32
443	Measurements of the ionization of atomic hydrogen by 17.6-eV electrons. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	32
442	Benchmark nonperturbative calculations for the electron-impact ionization of Li(2s) and Li(2p). <i>Physical Review Letters</i> , <b>2001</b> , 87, 213201	7.4	32
441	Symmetrized amplitudes of the helium-atom double photoionization. <i>Physical Review A</i> , <b>2002</b> , 65,	2.6	32
440	Convergent calculations for simultaneous electron-impact ionization-excitation of helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, L433-L438	1.3	32

439	Calculation of the total and total ionization cross sections for positron scattering on atomic hydrogen. <i>Physical Review A</i> , <b>1994</b> , 49, R2224-R2226	2.6	32
438	Calculation of antihydrogen formation via antiproton scattering with excited positronium. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	31
437	Coulomb breakup problem. <i>Physical Review Letters</i> , <b>2008</b> , 101, 230405	7.4	31
436	Kerr black hole as a gravitational lens. <i>Physical Review D</i> , <b>1986</b> , 34, 367-372	4.9	31
435	$\{\text{He}\} (1, ^1\text{S}, ^2, ^3\text{S}, ^2, ^1\text{S}, ^2, ^3\text{P})$ to $n, ^{1,3}\text{L}$ : Thermally averaged electron collision strengths for $n \leq 5$ . <i>Astronomy and Astrophysics</i> , <b>2000</b> , 146, 481-498		31
434	Multiconfigurational two-centre convergent close-coupling approach to positron scattering on helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 43, 125203	1.3	30
433	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> , <b>2009</b> , 42, 145002	1.3	30
432	Tracing multiple scattering patterns in absolute (e,2e) cross sections for H <sub>2</sub> and He over a 4 $\pi$ solid angle. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	30
431	Box-based convergent close-coupling method for solving Coulomb few-body problems. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	30
430	Coupled channels in the distorted-wave representation. <i>Physical Review A</i> , <b>1989</b> , 39, 4998-5009	2.6	30
429	Wave-packet continuum-discretization approach to ion-atom collisions including rearrangement: Application to differential ionization in proton-hydrogen scattering. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	29
428	Near-threshold positron-impact ionization of atomic hydrogen. <i>Physical Review Letters</i> , <b>2007</b> , 98, 263207.4	7.4	29
427	Low-energy electron-impact ionization of helium. <i>Physical Review A</i> , <b>1998</b> , 57, R3161-R3164	2.6	29
426	Electron-impact excitation of molecular hydrogen. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	28
425	Relativistic convergent close-coupling method applied to electron scattering from mercury. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	28
424	Absolute cross sections for the ionization-excitation of helium by electron impact. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	28
423	Electron-impact excitation of the (5d106s)S <sub>21/2</sub> -(5d106p)P <sub>21/2,3/2</sub> resonance transitions in gold atoms. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	28
422	Coupled-channel optical calculation of electron-hydrogen scattering: Elastic scattering from 0.5 to 30 eV. <i>Physical Review A</i> , <b>1991</b> , 43, 5878-5885	2.6	28



4 <sup>21</sup>	Polarization of Lyman- $\alpha$ emission in proton-hydrogen collisions studied using a semiclassical two-center convergent close-coupling approach. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	27
4 <sup>20</sup>	Electron-helium scattering in Debye plasmas. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	27
4 <sup>19</sup>	Electron-impact broadening of the 3s $\beta$ p lines in low-Z Li-like ions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2003</b> , 81, 371-384	2.1	27
4 <sup>18</sup>	Convergent close-coupling calculation of electron-sodium scattering. <i>Physical Review A</i> , <b>1994</b> , 49, R1-R4	2.6	27
4 <sup>17</sup>	Fully differential cross-section measurements for electron-impact ionization of neon and xenon. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	26
4 <sup>16</sup>	Theory of electron-impact ionization of atoms. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	26
4 <sup>15</sup>	. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, 895-913	1.3	26
4 <sup>14</sup>	Calculation of electron scattering from the metastable states of helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 28, L197-L202	1.3	26
4 <sup>13</sup>	Benchmark calculations for e - H scattering between the $n=2$ and $n=3$ thresholds. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1996</b> , 29, 5493-5503	1.3	26
4 <sup>12</sup>	Wave-packet continuum-discretization approach to ion-atom collisions: Nonrearrangement scattering. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	25
4 <sup>11</sup>	Relativistic convergent close-coupling method: Calculations of electron scattering from cesium. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	25
4 <sup>10</sup>	Coupled-channel integral-equation approach to antiproton-hydrogen collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2011</b> , 44, 075204	1.3	25
4 <sup>09</sup>	Low-energy positron interactions with xenon. <i>New Journal of Physics</i> , <b>2011</b> , 13, 125004	2.9	25
4 <sup>08</sup>	Partial photoionization cross sections and angular distributions for double excitation of helium up to the $N = 13$ threshold. <i>Physical Review Letters</i> , <b>2005</b> , 95, 243003	7.4	25
4 <sup>07</sup>	Double-photoionization calculations of the helium metastable 21,3S states. <i>Physical Review A</i> , <b>2000</b> , 62,	2.6	25
4 <sup>06</sup>	Convergence of two-centre expansions in positron-hydrogen collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, L635-L640	1.3	25
4 <sup>05</sup>	Calculation of singly differential cross sections of electron-impact ionization of helium at 100 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 28, L435-L441	1.3	25
4 <sup>04</sup>	Non-LTE analysis of K I in late-type stars. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 627, A177	5.1	24



403	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> , <b>2017</b> , 50, 202001	1.3	24
402	Target structure-induced suppression of the ionization cross section for low-energy antiproton-molecular hydrogen collisions: theoretical confirmation. <i>Physical Review Letters</i> , <b>2013</b> , 111, 173201	7.4	24
401	Electron impact ionization of ground-state and metastable Li <sup>+</sup> ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2009</b> , 42, 025203	1.3	24
400	Two-center convergent close-coupling calculations for positron-lithium collisions. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	24
399	(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> , <b>2008</b> , 41, 085205	1.3	24
398	Time-dependent model calculations for a molecular hydrogen ion in a strong ultra-short laser pulse. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2003</b> , 36, 3325-3336	1.3	24
397	Superelastic electron scattering on lithium. <i>Physical Review A</i> , <b>1996</b> , 54, R9-R12	2.6	24
396	Convergent close-coupling method for electron scattering on helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1994</b> , 27, L421-L425	1.3	24
395	Comparative theoretical study of (e, 3e) on helium: Coulomb-waves versus close-coupling approach. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2002</b> , 35, L15-L21	1.3	23
394	Absolute cross sections for the electron-impact ionization of helium in energy sharing kinematics at 44.6 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, 3117-3127	1.3	23
393	Superelastic electron - lithium scattering at 7 and 14 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, L187-L191	1.3	23
392	Absolute triple differential cross section for electron-impact ionization of helium at 50 eV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1996</b> , 29, L67-L73	1.3	23
391	Adiabatic-nuclei calculations of positron scattering from molecular hydrogen. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	22
390	Electron-impact ionization cross sections out of the ground and 6P <sub>2</sub> excited states of cesium. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	22
389	Convergent close-coupling calculations of positron-helium scattering at intermediate to high energies. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2004</b> , 37, 1165-1172	1.3	22
388	Low-energy electron-impact ionization of helium. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	22
387	Electron-impact ionization of atomic hydrogen at 2 eV above threshold. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, L119-L126	1.3	22
386	Spin Asymmetries in Low-Energy Electron Scattering from Cesium Atoms. <i>Physical Review Letters</i> , <b>1999</b> , 82, 1128-1131	7.4	22

385	Electron-impact excitation of the ( $\bar{B}5d1D2$ ) to ( $\bar{B}5p1P1$ ) transition in barium. <i>Physical Review A</i> , <b>1999</b> , 59, 439-454	2.6	22
384	Calculation of electron-Cs scattering at intermediate energies. <i>Physical Review A</i> , <b>1996</b> , 54, 1723-1725	2.6	22
383	Integral representation for the electron-atom ionization amplitude which is free of ambiguity and divergence problems. <i>Physical Review Letters</i> , <b>2003</b> , 91, 253202	7.4	21
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