

Chris H Greene

List of Publications by Year in descending order

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359
papers

16,027
citations

15504

65
h-index

22832

112
g-index

365
all docs

365
docs citations

365
times ranked

5081
citing authors

#	ARTICLE	IF	CITATIONS
1	Hartree-Fock Theory for Double Condensates. <i>Physical Review Letters</i> , 1997, 78, 3594-3597.	7.8	462
2	Resonant Magnetic Field Control of Elastic Scattering in Cold Rb. <i>Physical Review Letters</i> , 1998, 81, 5109-5112.	7.8	444
3	Molecular Applications of Quantum Defect Theory. <i>Advances in Atomic and Molecular Physics</i> , 1985, , 51-121.	2.0	436
4	Multichannel Rydberg spectroscopy of complex atoms. <i>Reviews of Modern Physics</i> , 1996, 68, 1015-1123.	45.6	428
5	Photofragment Alignment and Orientation. <i>Annual Review of Physical Chemistry</i> , 1982, 33, 119-150.	10.8	405
6	Lorentz Meets Fano in Spectral Line Shapes: A Universal Phase and Its Laser Control. <i>Science</i> , 2013, 340, 716-720.	12.6	404
7	Recombination of Three Atoms in the Ultracold Limit. <i>Physical Review Letters</i> , 1999, 83, 1751-1754.	7.8	366
8	Determination of product population and alignment using laser-induced fluorescence. <i>Journal of Chemical Physics</i> , 1983, 78, 6741-6753.	3.0	362
9	Creation of Polar and Nonpolar Ultra-Long-Range Rydberg Molecules. <i>Physical Review Letters</i> , 2000, 85, 2458-2461.	7.8	360
10	General form of the quantum-defect theory. <i>Physical Review A</i> , 1979, 19, 1485-1509.	2.5	248
11	Phase Modulation of Ultrashort Light Pulses using Molecular Rotational Wave Packets. <i>Physical Review Letters</i> , 2001, 88, 013903.	7.8	222
12	What will it take to observe processes in 'real time'?. <i>Nature Photonics</i> , 2014, 8, 162-166.	31.4	220
13	Signatures of universal four-body phenomena and their relation to the Efimov effect. <i>Nature Physics</i> , 2009, 5, 417-421.	16.7	217
14	General form of the quantum-defect theory. II. <i>Physical Review A</i> , 1982, 26, 2441-2459.	2.5	201
15	Unified theoretical treatment of dissociative recombination of D ₃ triatomic ions: Application to H ₃ ⁺ and D ₃ ⁺ . <i>Physical Review A</i> , 2003, 68, .	2.5	201
16	Extensive double-excitation states in atomic helium. <i>Physical Review Letters</i> , 1991, 66, 1306-1309.	7.8	196
17	Adiabatic hyperspherical study of the helium trimer. <i>Physical Review A</i> , 1996, 54, 394-401.	2.5	196
18	Mechanism for the destruction of H ₃ ⁺ ions by electron impact. <i>Nature</i> , 2001, 412, 891-894.	27.8	168

#	ARTICLE	IF	CITATIONS
19	Universal few-body physics and cluster formation. <i>Reviews of Modern Physics</i> , 2017, 89, .	45.6	167
20	Tunable Landau-Zener transitions in a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review A</i> , 2014, 90, .	2.5	148
21	Nature of spinor Bose-Einstein condensates in rubidium. <i>Physical Review A</i> , 2001, 64, .	2.5	147
22	Doubly excited states of the alkaline-earth atoms. <i>Physical Review A</i> , 1981, 23, 661-678.	2.5	145
23	Double Escape of Two Electrons at Threshold: Dependence on L, S , and $\vec{\epsilon}$. <i>Physical Review Letters</i> , 1982, 48, 533-537.	7.8	145
24	Origin of the Three-Body Parameter Universality in Efimov Physics. <i>Physical Review Letters</i> , 2012, 108, 263001.	7.8	143
25	Chemical modeling of L183 (L134N): an estimate of the ortho/para H_2 ratio. <i>Astronomy and Astrophysics</i> , 2009, 494, 623-636.	5.1	141
26	Shape-resonance-induced long-range molecular Rydberg states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, L199-L206.	1.5	127
27	Spin-orbit effects in the heavy alkaline-earth atoms. <i>Physical Review A</i> , 1991, 44, 1773-1790.	2.5	122
28	Multichannel Cold Collisions: Simple Dependences on Energy and Magnetic Field. <i>Physical Review Letters</i> , 1998, 81, 3355-3358.	7.8	121
29	Fermi pseudopotential approximation: Two particles under external confinement. <i>Physical Review A</i> , 2002, 65, .	2.5	119
30	Two-electron excitations in atomic calcium. I. <i>Physical Review A</i> , 1987, 36, 2706-2717.	2.5	116
31	Dominant photodetachment channels in $H\hat{a}^{\sim}$. <i>Physical Review Letters</i> , 1990, 65, 313-316.	7.8	116
32	Three-body recombination of cold helium atoms. <i>Physical Review A</i> , 2002, 65, .	2.5	114
33	Effect of symmetry on two-electron escape at threshold. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1983, 16, 99-106.	1.6	113
34	Doubly excited states of beryllium and magnesium. <i>Physical Review A</i> , 1985, 31, 250-259.	2.5	113
35	Atomic photoionization in a strong magnetic field. <i>Physical Review A</i> , 1983, 28, 2209-2216.	2.5	108
36	High-Accuracy Optical Clock via Three-Level Coherence in Neutral Bosonic Sr88. <i>Physical Review Letters</i> , 2005, 94, 173002.	7.8	106

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37	Xenon Clusters in Intense VUV Laser Fields. <i>Physical Review Letters</i> , 2003, 91, 233401.	7.8	103
38	Atomic polarizability in negative-ion photodetachment. <i>Physical Review A</i> , 1980, 22, 158-169.	2.5	99
39	Low-energy electron scattering from DNA and RNA bases: Shape resonances and radiation damage. <i>Journal of Chemical Physics</i> , 2006, 124, 054312.	3.0	99
40	Properties of metastable alkaline-earth-metal atoms calculated using an accurate effective core potential. <i>Physical Review A</i> , 2004, 69, .	2.5	98
41	Extensive eigenchannel R-matrix study of the H^{\wedge} photodetachment spectrum. <i>Physical Review A</i> , 1992, 45, 1587-1595.	2.5	97
42	Prospects for Mixed-Isotope Bose-Einstein Condensates in Rubidium. <i>Physical Review Letters</i> , 1998, 80, 2097-2100.	7.8	95
43	Universal Properties of a Trapped Two-Component Fermi Gas at Unitarity. <i>Physical Review Letters</i> , 2007, 99, 233201.	7.8	95
44	Monte Carlo hyperspherical description of helium cluster excited states. <i>Journal of Chemical Physics</i> , 2000, 112, 8053-8067.	3.0	94
45	Dissociative recombination of H_3^+ in the ground and excited vibrational states. <i>Journal of Chemical Physics</i> , 2007, 127, 124309.	3.0	91
46	Threshold laws for three-body recombination. <i>Physical Review A</i> , 2001, 65, .	2.5	86
47	Theory of Dissociative Recombination of D_3H Triatomic Ions Applied to H_3^+ . <i>Physical Review Letters</i> , 2003, 90, 133201.	7.8	84
48	Spontaneous spatial symmetry breaking in two-component Bose-Einstein condensates. <i>Physical Review A</i> , 1999, 59, 1457-1460.	2.5	83
49	Femtosecond induced transparency and absorption in the extreme ultraviolet by coherent coupling of the He $2s2p$ (1Po) and $2p^2$ (1Se) double excitation states with 800nm light. <i>Chemical Physics</i> , 2008, 350, 7-13.	1.9	82
50	Collision cross sections for argon atoms with argon atoms for energies from 0.01 eV to 10 keV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 2965-2981.	1.5	80
51	High-resolution experimental and theoretical study of singly and doubly excited resonances in ground-state photoionization of neon. <i>Physical Review A</i> , 1996, 54, 3095-3112.	2.5	77
52	Universal Three-Body Parameter in Heteronuclear Atomic Systems. <i>Physical Review Letters</i> , 2012, 109, 243201.	7.8	76
53	Observation of pendular butterfly Rydberg molecules. <i>Nature Communications</i> , 2016, 7, 12820.	12.8	76
54	Depolarization of optically prepared molecules by two randomly oriented spins. <i>Molecular Physics</i> , 1985, 55, 1-9.	1.7	73

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55	Energetics and structural properties of trapped two-component Fermi gases. <i>Physical Review A</i> , 2008, 77, .	2.5	73
56	Regularities in calculated photoionization cross sections for the halogens. <i>Physical Review A</i> , 1992, 46, 3821-3833.	2.5	71
57	Recombination of Three Ultracold Fermionic Atoms. <i>Physical Review Letters</i> , 2003, 90, 053202.	7.8	71
58	Effective potentials for dilute Bose-Einstein condensates. <i>Physical Review A</i> , 1998, 58, 584-597.	2.5	70
59	Radiation damage to DNA: Electron scattering from the backbone subunits. <i>Journal of Chemical Physics</i> , 2006, 125, 094504.	3.0	70
60	Validity of the shape-independent approximation for Bose-Einstein condensates. <i>Physical Review A</i> , 1999, 60, 1451-1462.	2.5	69
61	Comparative study of He ₃ , Ne ₃ , and Ar ₃ using hyperspherical coordinates. <i>Journal of Chemical Physics</i> , 2000, 113, 2145-2158.	3.0	69
62	Quenching to unitarity: Quantum dynamics in a three-dimensional Bose gas. <i>Physical Review A</i> , 2014, 89, .	2.5	69
63	Resonant Photodetachment of the Positronium Negative Ion. <i>Physical Review Letters</i> , 1986, 56, 1366-1369.	7.8	67
64	Comment on "Measurement of the ratio of double-to-single photoionization of helium at 2.8 keV using synchrotron radiation". <i>Physical Review Letters</i> , 1993, 71, 201-201.	7.8	67
65	Impact of the Rb ⁸⁷ singlet scattering length on suppressing inelastic collisions. <i>Physical Review A</i> , 1997, 55, R2511-R2514.	2.5	65
66	Stable negative ions of the heavy alkaline-earth atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989, 22, L175-L182.	1.5	64
67	Photoabsorption spectra of the heavy alkali-metal negative ions. <i>Physical Review A</i> , 1990, 42, 1405-1415.	2.5	64
68	Two-Electron Photoejection of He and H ⁻ . <i>Physical Review Letters</i> , 1997, 78, 4902-4905.	7.8	64
69	The short-range three-body phase and other issues impacting the observation of Efimov physics in ultracold quantum gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 044016.	1.5	64
70	Streamlined eigenchannel treatment of open-shell spectra. <i>Physical Review A</i> , 1988, 38, 5953-5956.	2.5	61
71	Energy Scaling of Cold Atom-Atom-Ion Three-Body Recombination. <i>Physical Review Letters</i> , 2016, 116, 193201.	7.8	60
72	Simplified model of electron scattering using R-matrix methods. <i>Physical Review A</i> , 1995, 52, 1334-1343.	2.5	59

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73	Quantum corrections to the ground-state energy of a trapped Bose-Einstein condensate: A diffusion Monte Carlo calculation. <i>Physical Review A</i> , 2001, 63, .	2.5	59
74	Negative-ion photodetachment in an electric field. <i>Physical Review A</i> , 1988, 37, 2393-2403.	2.5	57
75	Probing an Electron Scattering Resonance using Rydberg Molecules within a Dense and Ultracold Gas. <i>Physical Review Letters</i> , 2016, 116, 053001.	7.8	57
76	Low-lying excitations of double Bose-Einstein condensates. <i>Physical Review A</i> , 1998, 57, 1265-1271.	2.5	56
77	Ground-state scattering lengths for potassium isotopes determined by double-resonance photoassociative spectroscopy of ultracold ³⁹ K. <i>Physical Review A</i> , 2000, 62, .	2.5	56
78	Spectrum and Dynamics of the BCS-BEC Crossover from a Few-Body Perspective. <i>Physical Review Letters</i> , 2007, 99, 090402.	7.8	56
79	BEC-BCS crossover of a trapped two-component Fermi gas with unequal masses. <i>Physical Review A</i> , 2007, 76, .	2.5	56
80	Ultracold Chemical Reactions of a Single Rydberg Atom in a Dense Gas. <i>Physical Review X</i> , 2016, 6, .	8.9	56
81	Oscillator strengths and radiative branching ratios in atomic Sr. <i>Physical Review A</i> , 1992, 46, 1248-1260.	2.5	55
82	Single-Stage Sub-Doppler Cooling of Alkaline Earth Atoms. <i>Physical Review Letters</i> , 2003, 90, 193002.	7.8	55
83	Two-electron excitations in atomic calcium. II. Fine-structure effects. <i>Physical Review A</i> , 1987, 36, 4272-4279.	2.5	54
84	Simplest doubly charged negative ion: Nonexistence of $H_2\tilde{a}^{\sim}$ resonances. <i>Physical Review A</i> , 1994, 49, 1866-1874.	2.5	53
85	Manifestation of Dynamically Unfavored Transitions in the Angular Distribution of Photofragments. <i>Physical Review Letters</i> , 1980, 44, 869-871.	7.8	51
86	Negative-ion photodetachment in a weak magnetic field. <i>Physical Review A</i> , 1987, 36, 4236-4244.	2.5	50
87	Angular distributions of ejected electrons from autoionizing 3pndstates of magnesium. <i>Physical Review A</i> , 1992, 46, 3789-3806.	2.5	49
88	Formation of Atomic Tritium Clusters and Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2002, 89, 163402.	7.8	49
89	Channel-interaction theory in a finite volume. <i>Physical Review A</i> , 1985, 32, 1880-1882.	2.5	48
90	Heteronuclear Efimov Scenario with Positive Intraspecies Scattering Length. <i>Physical Review Letters</i> , 2016, 117, 153201.	7.8	47

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91	Hyperspherical analysis of three-electron dynamics. Physical Review A, 1980, 21, 1786-1797.	2.5	46
92	Double photoionization of helium using R-matrix methods. Physical Review A, 1994, 50, R3573-R3576.	2.5	46
93	Universal Four-Boson States in Ultracold Molecular Gases: Resonant Effects in Dimer-Dimer Collisions. Physical Review Letters, 2009, 103, 033004.	7.8	46
94	General Theoretical Description of N -Body Recombination. Physical Review Letters, 2009, 103, 153201.	7.8	45
95	Photonization-produced alignment of Cd. Physical Review A, 1982, 25, 2031-2037.	2.5	44
96	Quantum defect analysis of HD photoionization. Journal of Chemical Physics, 1986, 85, 5430-5436.	3.0	44
97	Interaction between a Rydberg atom and neutral perturbers. Physical Review A, 1987, 36, 971-974.	2.5	44
98	Multichannel Cold Collisions between Metastable Sr Atoms. Physical Review Letters, 2003, 90, 253201.	7.8	44
99	Rydberg state dynamics of rotating, vibrating H ₃ and the Jahn-Teller effect. Journal of Chemical Physics, 1995, 102, 1579-1591.	3.0	43
100	Hamiltonian for the inclusion of spin effects in long-range Rydberg molecules. Physical Review A, 2017, 95, .	2.5	43
101	Role of the scattering length in three-boson dynamics and Bose - Einstein condensation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L51-L57.	1.5	42
102	Tensorial analysis of the long-range interaction between metastable alkaline-earth-metal atoms. Physical Review A, 2003, 67, .	2.5	42
103	Universal insights from few-body land. Physics Today, 2010, 63, 40-45.	0.3	42
104	Predissociation of H ₂ in the $3p^1D^1u+1$ state. Physical Review A, 1993, 47, 4877-4884.	2.5	41
105	Collisional properties of ultracold potassium: Consequences for degenerate Bose and Fermi gases. Physical Review A, 1999, 59, 3660-3664.	2.5	41
106	Temperature dependence of binary and ternary recombination of H_3^+ ions with electrons. Physical Review A, 2009, 79, .	2.5	41
107	Resonant structure of low-energy H_3^+ recombination. Physical Review A, 2011, 83, .	2.5	41
108	Efimov Effect for Three Interacting Bosonic Dipoles. Physical Review Letters, 2011, 106, 233201.	7.8	41

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109	Indirect Dissociative Recombination of $\text{LiH} + \text{Molecules}$ Fueled by Complex Resonance Manifolds. <i>Physical Review Letters</i> , 2007, 98, .	7.8	40
110	Correlated Gaussian hyperspherical method for few-body systems. <i>Physical Review A</i> , 2009, 80, .	2.5	40
111	Competition Among Molecular Fragmentation Channels Described with Siegert Channel Pseudostates. <i>Physical Review Letters</i> , 2002, 89, 263003.	7.8	39
112	Recombination of $\text{H}^+ + \text{H}_3^+$ ions in the afterglow of a $\text{He}^+ + \text{Ar}^+ + \text{H}_2^+$ plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 191001.	1.5	39
113	The hyperspherical four-fermion problem. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 172001.	1.5	39
114	Interpretation of Feshbach resonances in H-photodetachment. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1980, 13, L39-L44.	1.6	38
115	Double and Triple Photoionization of Ground-State Lithium. <i>Physical Review Letters</i> , 1998, 81, 4333-4336.	7.8	38
116	Multiphoton ionization of xenon in the vuv regime. <i>Physical Review A</i> , 2004, 70, .	2.5	38
117	Experimental Verification of Minima in Excited Long-Range Rydberg States of Rb_2 . <i>Physical Review Letters</i> , 2006, 97, 233002.	7.8	38
118	Numerical study of three-body recombination for systems with many bound states. <i>Physical Review A</i> , 2011, 84, .	2.5	38
119	Comparison of classical and quantal calculations of helium three-body recombination. <i>Journal of Chemical Physics</i> , 2014, 140, 044307.	3.0	38
120	Angular distribution of slow photoelectrons near the threshold for double escape. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, L357-L361.	1.6	37
121	Positron-hydrogen resonances associated with the $N=2$ positronium and $N=3$ hydrogen thresholds. <i>Physical Review A</i> , 1987, 35, 3169-3171.	2.5	37
122	A two-atom picture of coherent atom-molecule quantum beats. <i>New Journal of Physics</i> , 2003, 5, 111-111.	2.9	37
123	Positronium negative ion: An adiabatic study using hyperspherical coordinates. <i>Physical Review A</i> , 1985, 32, 1249-1251.	2.5	36
124	Quantum and semiclassical analysis of long-range Rydberg molecules. <i>Physical Review A</i> , 2001, 64, .	2.5	36
125	Photodetachment of Li^{\sim} from the Li 3sthreshold to the Li 6sthreshold. <i>Physical Review A</i> , 1996, 53, 840-852.	2.5	35
126	Double photoionization and ionization excitation of the metastable helium Sstates. <i>Physical Review A</i> , 1998, 57, 3641-3645.	2.5	35

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127	Resonant five-body recombination in an ultracold gas of bosonic atoms. <i>New Journal of Physics</i> , 2013, 15, 043040.	2.9	35
128	Communication: Classical threshold law for ion-neutral-neutral three-body recombination. <i>Journal of Chemical Physics</i> , 2015, 143, 041105.	3.0	35
129	Renner-Teller effects in HCO+ dissociative recombination. <i>Physical Review A</i> , 2006, 74, .	2.5	34
130	Dependence of photoabsorption spectra on long-range fields. <i>Physical Review A</i> , 1980, 22, 149-157.	2.5	33
131	Parallels between high doubly excited state spectra in H- and Li-photodetachment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994, 27, L137-L142.	1.5	33
132	Electron-molecule scattering calculations in a 3D finite element R-matrix approach. <i>Journal of Chemical Physics</i> , 2005, 122, 014111.	3.0	33
133	Femtosecond transparency in the extreme-ultraviolet region. <i>Physical Review A</i> , 2012, 85, .	2.5	33
134	Vibrational Frame Transformation for Electron-Molecule Scattering. <i>Physical Review Letters</i> , 1985, 55, 1066-1069.	7.8	32
135	Three-body recombination of cold fermionic atoms. <i>New Journal of Physics</i> , 2003, 5, 53-53.	2.9	32
136	Green's functions and the adiabatic hyperspherical method. <i>Physical Review A</i> , 2010, 82, .	2.5	32
137	Universal three-body recombination via resonant d -wave interactions. <i>Physical Review A</i> , 2012, 86, .	2.5	32
138	Quantum defect theory for high-partial-wave cold collisions. <i>Physical Review A</i> , 2013, 87, .	2.5	32
139	Siegert pseudostates: Completeness and time evolution. <i>Physical Review A</i> , 2005, 71, .	2.5	31
140	Theoretical study of dissociative recombination of C ₂ triatomic ions: Application to H ₂ D ⁺ and D ₂ H ⁺ . <i>Physical Review A</i> , 2005, 72, .	2.5	31
141	Diffraction in low-energy electron scattering from DNA: Bridging gas-phase and solid-state theory. <i>Physical Review A</i> , 2008, 78, .	2.5	31
142	Ultracold molecular Rydberg physics in a high density environment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 114005.	1.5	31
143	Asymmetric two-electron excitations in atomic strontium and barium. <i>Physical Review A</i> , 1994, 49, 1029-1040.	2.5	30
144	Near-threshold rotational excitation of molecular ions by electron impact. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4261-4273.	1.5	30

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145	Implementation of the quantum-defect theory for arbitrary long-range potentials. <i>Physical Review A</i> , 1986, 34, 1635-1641.	2.5	29
146	Determination of ^{39}K scattering lengths using photoassociation spectroscopy of the $0g\tilde{\sigma}^{\sim}$ state. <i>Physical Review A</i> , 1999, 60, 4417-4426.	2.5	29
147	Three-body recombination in one dimension. <i>Physical Review A</i> , 2007, 76, .	2.5	29
148	Two-electron excitations in atomic calcium. III. High-lying resonances above the 4p threshold. <i>Physical Review A</i> , 1988, 38, 2361-2370.	2.5	28
149	Quantum Defect Description of H_3 Rydberg State Dynamics. <i>Physical Review Letters</i> , 1994, 72, 1624-1627.	7.8	28
150	Interaction of intense vuv radiation with large xenon clusters. <i>Physical Review A</i> , 2006, 74, .	2.5	28
151	Multichannel Rydberg spectra of the rare gas dimers. <i>Journal of Chemical Physics</i> , 1989, 90, 6347-6360.	3.0	27
152	Resonant Ion Pair Formation in Electron Collisions with Ground State Molecular Ions. <i>Physical Review Letters</i> , 1999, 83, 951-954.	7.8	27
153	Photofragmentation of the H_3 molecule, including Jahn-Teller coupling effects. <i>Physical Review A</i> , 2004, 69, .	2.5	27
154	Generalized quantum defects: Their variations with energy and radius. <i>Physical Review A</i> , 1979, 20, 656-669.	2.5	26
155	Photoionization of the barium $6s6p\ ^1P^{\circ}1$ state: Comparison of theory and experiment including hyperfine-depolarization effects. <i>Physical Review A</i> , 1993, 47, 229-235.	2.5	26
156	Partial and differential photoionization cross sections of Cl and Br. <i>Physical Review A</i> , 1993, 47, 1066-1074.	2.5	26
157	Dissociative recombination of HCO^+ . <i>Journal of Physics: Conference Series</i> , 2005, 4, 148-154.	0.4	26
158	Universal Three-Body Physics for Fermionic Dipoles. <i>Physical Review Letters</i> , 2011, 107, 233201.	7.8	26
159	Efimov's van der Waals universality for ultracold atoms with positive scattering lengths. <i>Physical Review A</i> , 2017, 95, .	2.5	26
160	Dipole threshold laws for single and double detachment from negative ions. <i>Physical Review A</i> , 1985, 32, 1352-1356.	2.5	25
161	Parameter-dependent multichannel Rydberg spectra. <i>Physical Review A</i> , 1991, 44, 1874-1883.	2.5	25
162	Evolution of barium autoionizing Stark spectra with energy and field. <i>Physical Review A</i> , 1994, 50, 4956-4974.	2.5	25

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163	Anisotropic interaction potential between a Rydberg electron and an open-shell ion. Physical Review A, 1996, 53, 2248-2261.	2.5	25
164	Three particles in an external trap: Nature of the complete spectrum. Physical Review A, 2002, 66, .	2.5	25
165	Nonadiabatic dipole polarizabilities of H ₂ ⁺ and D ₂ ⁺ ground states. Physical Review A, 1998, 58, 1082-1086.	2.5	24
166	A Mg^{II} Å trois laid bare. Nature, 2006, 440, 289-290.	27.8	24
167	Theoretical rate of dissociative recombination of HCO^+ . Physical Review A, 2008, 77, .	2.5	24
168	Photoionization of the scandium atom. II. Classifications. Physical Review A, 1993, 48, 4441-4449.	2.5	23
169	Dimer-dimer collisions at finite energies in two-component Fermi gases. Physical Review A, 2009, 79, .	2.5	23
170	Low-energy electron scattering from DNA including structural water and base-pair irregularities. Physical Review A, 2009, 80, .	2.5	23
171	Controlling Rydberg atom excitations in dense background gases. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 182001.	1.5	23
172	Adiabatic hyperspherical treatment of lithium Po^2 states. Physical Review A, 1984, 30, 2161-2169.	2.5	22
173	Photoionization of the scandium atom. I. General features. Physical Review A, 1993, 48, 4429-4440.	2.5	22
174	Doubly-Excited States in the Spectrum of Molecular Hydrogen. The Journal of Physical Chemistry, 1995, 99, 1711-1718.	2.9	22
175	Theoretical study of the H ₃ ⁺ ion dissociative recombination process. Journal of Physics: Conference Series, 2005, 4, 74-82.	0.4	22
176	High harmonic generation in SF ₆ : Raman-excited vibrational quantum beats. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, F277-F283.	1.5	22
177	Limits of the Plane Wave Approximation in the Measurement of Molecular Properties. Journal of Physical Chemistry A, 2008, 112, 9439-9447.	2.5	22
178	Analyzing Feshbach resonances: A Li^6 Cs case study.	2.5	22
179	Universal temperature dependence of the ion-neutral-neutral three-body recombination rate. Physical Review A, 2018, 98, .	2.5	22
180	Adventures of a Rydberg electron in an anisotropic world. Reviews of Modern Physics, 1999, 71, 821-833.	45.6	21

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