

# Chris H Greene

## List of Publications by Year in descending order

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359  
papers

16,027  
citations

15495

65  
h-index

22808

112  
g-index

365  
all docs

365  
docs citations

365  
times ranked

5081  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efimov physics implications at p-wave fermionic unitarity. <i>Physical Review A</i> , 2022, 105, .	1.0	2
2	Multichannel photoelectron phase lag across atomic barium autoionizing resonances. <i>Physical Review A</i> , 2022, 105, .	1.0	2
3	Raman Interferometry between Autoionizing States to Probe Ultrafast Wave-Packet Dynamics with High Spectral Resolution. <i>Physical Review Letters</i> , 2022, 128, 083001.	2.9	7
4	Competing ionization and dissociation in the $H_2^+$ gerade system. <i>European Physical Journal D</i> , 2022, 76, 1.	0.6	1
5	Controlling Rydberg Excitations Using Ion-Core Transitions in Alkaline-Earth Atom-Tweezer Arrays. <i>PRX Quantum</i> , 2022, 3, .	3.5	21
6	Analyzing the Rydberg-based optical-metastable-ground architecture for $^{171}\text{Yb}$ nuclear spins. <i>Physical Review A</i> , 2022, 105, .	1.0	15
7	Observability of a sharp Majorana transition in a few-body model. <i>Physical Review A</i> , 2021, 103, .	1.0	2
8	Comprehensive study of the three- and four-neutron systems at low energies. <i>Physical Review C</i> , 2021, 103, .	1.1	11
9	Orbital variational adiabatic hyperspherical method applied to Bose-Einstein condensates. <i>Physical Review A</i> , 2021, 103, .	1.0	1
10	Two-photon above-threshold ionization of helium. <i>Physical Review A</i> , 2021, 103, .	1.0	6
11	Resonant control of photoelectron directionality by interfering one- and two-photon pathways. <i>Physical Review A</i> , 2021, 103, .	1.0	7
12	Observation of Wigner-Dyson level statistics in a classically integrable system. <i>Physical Review E</i> , 2021, 103, 062211.	0.8	3
13	Spectroscopy of Rydberg states in erbium using electromagnetically induced transparency. <i>Physical Review Research</i> , 2021, 3, .	1.3	6
14	Asymmetric Lineshapes of Efimov Resonances in Mass-Imbalanced Ultracold Gases. <i>Atoms</i> , 2021, 9, 110.	0.7	2
15	Low-energy scattering properties of ground-state and excited-state positronium collisions. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 122023.	0.3	0
16	Nonresonant Density of States Enhancement at Low Energies for Three or Four Neutrons. <i>Physical Review Letters</i> , 2020, 125, 052501.	2.9	20
17	Backpropagated frame transformation theory: A reformulation. <i>Physical Review A</i> , 2020, 101, .	1.0	1
18	Cross-dimensional relaxation of $Li^{7\text{a}}$ - $Rb^{87}$ atomic gas mixtures in a spherical-quadrupole magnetic trap. <i>Physical Review A</i> , 2020, 101, .	1.0	3

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19	Dissociative Recombination of Cold $\text{HeH}^+$ Ions. Physical Review Letters, 2020, 124, 043401.	2.9	18
20	Collisional spin transfer in an atomic heteronuclear spinor Bose gas. Physical Review Research, 2020, 2, .	1.3	6
21	Exploring chemical reactions in a quantum degenerate gas of polar molecules via complex formation. Physical Review A, 2020, 102, .	1.0	5
22	Low-energy scattering properties of ground-state and excited-state positronium collisions. Physical Review A, 2019, 100, .	1.0	3
23	Nonadiabatic Molecular Association in Thermal Gases Driven by Radio-Frequency Pulses. Physical Review Letters, 2019, 123, 043204.	2.9	5
24	Bulk-edge correspondence in fractional quantum Hall states. Physical Review B, 2019, 99, .	1.1	5
25	Spin current generation and relaxation in a quenched spin-orbit-coupled Bose-Einstein condensate. Nature Communications, 2019, 10, 375.	5.8	21
26	Coherent Superposition of Feshbach Dimers and Efimov Trimers. Physical Review Letters, 2019, 122, 200402.	2.9	6
27	Local frame transformation theory for two classes of diatomic molecules. Molecular Physics, 2019, 117, 3171-3183.	0.8	1
28	Dissociative recombination by frame transformation to Siegert pseudostates: A comparison with a numerically solvable model. Physical Review A, 2018, 97, .	1.0	5
29	Ultracold Heteronuclear Three-Body Systems: How Diabaticity Limits the Universality of Recombination into Shallow Dimers. Physical Review Letters, 2018, 120, 023401.	2.9	7
30	Universal temperature dependence of the ion-neutral-neutral three-body recombination rate. Physical Review A, 2018, 98, .	1.0	22
31	Validity of the Born-Oppenheimer approximation in the indirect-dissociative-recombination process. Physical Review A, 2018, 98, .	1.0	4
32	Extreme Correlation and Repulsive Interactions in Highly Excited Atomic Alkali Anions. Physical Review Letters, 2018, 121, 133401.	2.9	6
33	Semiclassical Treatment of High-Lying Electronic States of $\text{H}_2^+$ . Journal of Physical Chemistry A, 2018, 122, 8565-8575.	1.1	6
34	Theoretical Prediction of the Creation and Observation of a Ghost Trilobite Chemical Bond. Physical Review Letters, 2018, 121, 113203.	2.9	4
35	Observability of the Efimov spectrum in an electron-atom-atom system. Physical Review A, 2018, 98, .	1.0	2
36	Hyperspherical Slater determinant approach to few-body fractional quantum Hall states. Annals of Physics, 2017, 380, 188-205.	1.0	0

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37	Efimov's van der Waals universality for ultracold atoms with positive scattering lengths. <i>Physical Review A</i> , 2017, 95, .	1.0	26
38	Effective control of cold collisions with radio-frequency fields. <i>Physical Review A</i> , 2017, 95, .	1.0	10
39	Renormalized contact interaction in degenerate unitary Bose gases. <i>Physical Review A</i> , 2017, 95, .	1.0	13
40	Role of the intraspecies scattering length in the Efimov scenario with large mass difference. <i>Physical Review A</i> , 2017, 95, .	1.0	20
41	Universal few-body physics and cluster formation. <i>Reviews of Modern Physics</i> , 2017, 89, .	16.4	167
42	Few-body collective excitations beyond Kohn's theorem in quantum Hall systems. <i>Physical Review B</i> , 2017, 95, .	1.1	3
43	Anisotropic blockade using pendular long-range Rydberg molecules. <i>Physical Review A</i> , 2017, 95, .	1.0	19
44	Van der Waals Universality in Homonuclear Atom-Dimer Elastic Collisions. <i>Few-Body Systems</i> , 2017, 58, 1.	0.7	11
45	Hamiltonian for the inclusion of spin effects in long-range Rydberg molecules. <i>Physical Review A</i> , 2017, 95, .	1.0	43
46	Coupled-square-well model and Fano-phase correspondence. <i>Physical Review A</i> , 2017, 95, .	1.0	5
47	Inelastic low-energy collisions of electrons with HeH <sup>+</sup> : Rovibrational excitation and dissociative recombination. <i>Journal of Chemical Physics</i> , 2017, 147, 054307.	1.2	17
48	Anisotropic blockade using pendular long-range Rydberg molecules. <i>Journal of Physics: Conference Series</i> , 2017, 875, 082005.	0.3	0
49	On the Appearance of Families of Efimov States in the Spinor Three-Body Problem. <i>EPJ Web of Conferences</i> , 2016, 113, 02003.	0.1	2
50	Mapping trilobite state signatures in atomic hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 14LT01.	0.6	12
51	Ultracold molecular Rydberg physics in a high density environment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 114005.	0.6	31
52	Few-body, hyperspherical treatment of the quantum Hall effect. <i>EPJ Web of Conferences</i> , 2016, 113, 02006.	0.1	1
53	Reactivity in ion-neutral high density media. <i>EPJ Web of Conferences</i> , 2016, 113, 02004.	0.1	2
54	Universal few-body physics in resonantly interacting spinor condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 064012.	0.6	4

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55	Effective Atom-Molecule Conversions Using Radio Frequency Fields. ChemPhysChem, 2016, 17, 3756-3763.	1.0	2
56	Controlling Rydberg atom excitations in dense background gases. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 182001.	0.6	23
57	Heteronuclear Efimov Scenario with Positive Intraspecies Scattering Length. Physical Review Letters, 2016, 117, 153201.	2.9	47
58	Ultracold Chemical Reactions of a Single Rydberg Atom in a Dense Gas. Physical Review X, 2016, 6, .	2.8	56
59	Generalized local-frame-transformation theory for excited species in external fields. Physical Review A, 2016, 94, .	1.0	12
60	Probing an Electron Scattering Resonance using Rydberg Molecules within a Dense and Ultracold Gas. Physical Review Letters, 2016, 116, 053001.	2.9	57
61	Energy Scaling of Cold Atom-Atom-Ion Three-Body Recombination. Physical Review Letters, 2016, 116, 193201.	2.9	60
62	Observation of pendular butterfly Rydberg molecules. Nature Communications, 2016, 7, 12820.	5.8	76
63	Spin-orbit-induced resonances and threshold anomalies in a reduced-dimension Fermi gas. Physical Review A, 2016, 94, .	1.0	4
64	Comment on "Test of the Stark-effect theory using photoionization microscopy". Physical Review A, 2015, 91, .	1.0	1
65	Schwinger-variational-principle theory of collisions in the presence of multiple potentials. Physical Review A, 2015, 92, .	1.0	6
66	Hyperspherical theory of the quantum Hall effect: The role of exceptional degeneracy. Physical Review B, 2015, 92, .	1.1	8
67	Ultracold Long-Range Rydberg Molecules with Complex Multichannel Spectra. Physical Review Letters, 2015, 115, 193201.	2.9	20
68	Communication: Classical threshold law for ion-neutral-neutral three-body recombination. Journal of Chemical Physics, 2015, 143, 041105.	1.2	35
69	FEW-BODY PHYSICS OF ULTRACOLD ATOMS AND MOLECULES WITH LONG-RANGE INTERACTIONS. Annual Review of Cold Atoms and Molecules, 2015, , 77-134.	2.8	9
70	Fano Resonances in the Time Domain. Journal of Physics: Conference Series, 2015, 635, 092079.	0.3	0
71	Alkali-atom photoionization and negative-ion photodetachment processes in the presence of external fields. Journal of Physics: Conference Series, 2015, 635, 092118.	0.3	0
72	Adiabatic Hyperspherical Analysis of Realistic Nuclear Potentials. Few-Body Systems, 2015, 56, 753-759.	0.7	8

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73	Photoionization microscopy in terms of local-frame-transformation theory. Physical Review A, 2015, 91, .	1.0	15
74	General formalism for ultracold scattering with isotropic spin-orbit coupling. Physical Review A, 2015, 91, .	1.0	16
75	Quantum defect theory description of weakly bound levels and Feshbach resonances in LiRb. New Journal of Physics, 2015, 17, 045021.	1.2	5
76	Scattering properties of the $2e^{-}2e^{+}$ polyelectronic system. Physical Review A, 2015, 91, .	1.0	12
77	Fano Resonances in the Time Domain. , 2015, , .		1
78	Confinement-induced resonances in a cross-dimensional configuration. Physical Review A, 2014, 90, .	1.0	0
79	Comparison of classical and quantal calculations of helium three-body recombination. Journal of Chemical Physics, 2014, 140, 044307.	1.2	38
80	Tunable Landau-Zener transitions in a spin-orbit-coupled Bose-Einstein condensate. Physical Review A, 2014, 90, .	1.0	148
81	Extension of the correlated Gaussian hyperspherical method to more particles and dimensions. Physical Review A, 2014, 89, .	1.0	15
82	What will it take to observe processes in 'real time'?. Nature Photonics, 2014, 8, 162-166.	15.6	220
83	Three-Body Physics in Strongly Correlated Spinor Condensates. Physical Review Letters, 2014, 113, 045302.	2.9	10
84	Analyzing Feshbach resonances: $A \langle \text{math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Li} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mo} \rangle \hat{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{Cs} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 133 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ case study.		
85	Phys Quenching to unitarity: Quantum dynamics in a three-dimensional Bose gas. Physical Review A, 2014, 89, .	1.0	69
86	The Universality of the Efimov Three-body Parameter. Few-Body Systems, 2013, 54, 1523-1527.	0.7	5
87	Lorentz Meets Fano in Spectral Line Shapes: A Universal Phase and Its Laser Control. Science, 2013, 340, 716-720.	6.0	404
88	Low-energy electron collisions with O <sub>2</sub> : Test of the molecularR-matrix method without diagonalization. Physical Review A, 2013, 87, .	1.0	3
89	Rydberg States of Triatomic Hydrogen and Deuterium. Journal of Physical Chemistry A, 2013, 117, 9761-9765.	1.1	2
90	Resonant five-body recombination in an ultracold gas of bosonic atoms. New Journal of Physics, 2013, 15, 043040.	1.2	35

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91	Quantum defect theory for high-partial-wave cold collisions. Physical Review A, 2013, 87, .	1.0	32
92	Quasi-one-dimensional scattering with general transverse two-dimensional confinement. Physical Review A, 2013, 88, .	1.0	14
93	Stochastic and equilibrium pictures of the ultracold Fano-Feshbach-resonance molecular conversion rate. Physical Review A, 2013, 87, .	1.0	1
94	Dissociative Recombination of Highly Symmetric Polyatomic Ions. Physical Review Letters, 2012, 108, 023202.	2.9	18
95	Universal three-body recombination via resonant $d$ -wave interactions. Physical Review A, 2012, 86, .	1.0	32
96	Few-body ultracold reactions in a Bose-Fermi mixture. Physical Review A, 2012, 85, .	1.0	3
97	Universal bound and scattering properties for two dipoles. Physical Review A, 2012, 85, .	1.0	11
98	Universal Three-Body Parameter in Heteronuclear Atomic Systems. Physical Review Letters, 2012, 109, 243201.	2.9	76
99	Universal rates for dissociative recombination of NO. Physical Review A, 2012, 86, .	1.0	1
100	Theoretical study of the vibration-dependent electron anisotropy in $O_2$ photodetachment. Journal of Physics: Conference Series, 2012, 388, 022105.	0.3	0
101	Laser-assisted electron-argon scattering at small angles. Physical Review A, 2012, 86, .	1.0	7
102	Femtosecond transparency in the extreme-ultraviolet region. Physical Review A, 2012, 85, .	1.0	33
103	Origin of the Three-Body Parameter Universality in Efimov Physics. Physical Review Letters, 2012, 108, 263001.	2.9	143
104	The hyperspherical four-fermion problem. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 172001.	0.6	39
105	Laser-induced fluorescence studies of HfF <sup>+</sup> produced by autoionization. Journal of Chemical Physics, 2011, 135, 154308.	1.2	13
106	The role of the Jahn-Teller coupling in dissociative recombination of $H_3^+$ and $H_3O^+$ ions. Journal of Physics: Conference Series, 2011, 300, 012015.	0.3	11
107	Breaking bonds with electrons: Dissociative recombination of molecular ions. Chemical Physics Letters, 2011, 507, 1-10.	1.2	16
108	Numerical study of three-body recombination for systems with many bound states. Physical Review A, 2011, 84, .	1.0	38

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109	Publisher's Note: Resonant structure of low-energy $H^+$ recombination. Physical Review A, 2011, 83, .	1.0	1
110	Resonant structure of low-energy $H^+$ recombination. Physical Review A, 2011, 83, .	1.0	41
111	Collisional aspects of bosonic and fermionic dipoles in quasi-two-dimensional confining geometries. Physical Review A, 2011, 83, .	1.0	14
112	Universal Three-Body Physics for Fermionic Dipoles. Physical Review Letters, 2011, 107, 233201.	2.9	26
113	Efimov Effect for Three Interacting Bosonic Dipoles. Physical Review Letters, 2011, 106, 233201.	2.9	41
114	Femtosecond XUV transparency in light-coupled He doubly excited states. ., 2011, . .		0
115	Recombination-pumped triatomic hydrogen infrared lasers. Journal of Chemical Physics, 2010, 133, 234302.	1.2	7
116	Universal insights from few-body land. Physics Today, 2010, 63, 40-45.	0.3	42
117	Quantum defect analysis of $H^+$ recombination. Physical Review A, 2010, 82, .	1.0	7
118	Green's functions and the adiabatic hyperspherical method. Physical Review A, 2010, 82, .	1.0	32
119	Calculation of rate constants for vibrational and rotational excitation of the $H^+$ ion by electron impact. Monthly Notices of the Royal Astronomical Society, 2010, . .	1.6	10
120	Temperature dependence of binary and ternary recombination of $D_3^+$ ions with electrons. Journal of Chemical Physics, 2010, 133, 034305.	1.2	15
121	Chemical modeling of L183 (L134N): an estimate of the ortho/para $H_2$ ratio. Astronomy and Astrophysics, 2009, 494, 623-636.	2.1	141
122	Temperature dependence of binary and ternary recombination of $H^+$ ions with electrons. Physical Review A, 2009, 79, .	1.0	41
123	Calculations of direct and indirect dissociative recombination rates of $He^+$ ions with electrons. Physical Review A, 2009, 79, .	1.0	18
124	Theoretical study of the quenching of $NH^+$ molecules via collisions with Rb atoms. Physical Review A, 2009, 80, .	1.0	3
125	Binary and ternary recombination of $D^+$ ions with electrons in $He$ . Physical Review A, 2009, 80, .	1.0	19
126	Universal Four-Boson States in Ultracold Molecular Gases: Resonant Effects in Dimer-Dimer Collisions. Physical Review Letters, 2009, 103, 033004.	2.9	46



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127	General Theoretical Description of $N$ -Body Recombination. Physical Review Letters, 2009, 103, 153201.	2.9	45
128	Use of partial-wave decomposition to identify resonant interference effects in the photoionization excitation of argon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 044008.	0.6	0
129	The short-range three-body phase and other issues impacting the observation of Efimov physics in ultracold quantum gases. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 044016.	0.6	64
130	Vibrational interference of Raman and high harmonic generation pathways. Chemical Physics, 2009, 366, 103-114.	0.9	8
131	The little molecule that could. Nature, 2009, 458, 975-976.	13.7	3
132	Signatures of universal four-body phenomena and their relation to the Efimov effect. Nature Physics, 2009, 5, 417-421.	6.5	217
133	One- and two-photon ionization cross sections of the laser-excited $6s6p^1P_1$ state of barium. Physical Review A, 2009, 80, .	1.0	8
134	Correlated Gaussian hyperspherical method for few-body systems. Physical Review A, 2009, 80, .	1.0	40
135	Dimer-dimer collisions at finite energies in two-component Fermi gases. Physical Review A, 2009, 79, .	1.0	23
136	Low-energy electron scattering from DNA including structural water and base-pair irregularities. Physical Review A, 2009, 80, .	1.0	23
137	Theory of dissociative recombination of a linear triatomic ion with permanent electric dipole moment: Study of $HCO^+$ . Physical Review A, 2009, 80, .	1.0	20
138	Rotational excitation of interstellar molecular ions by electrons. Journal of Physics: Conference Series, 2009, 192, 012016.	0.3	7
139	Non-adiabatic effects in dissociative recombination of molecular ions. Journal of Physics: Conference Series, 2009, 192, 012017.	0.3	1
140	Collective Coordinate Description of Anisotropically Trapped Degenerate Fermi Gases. Journal of Physical Chemistry A, 2009, 113, 15016-15023.	1.1	2
141	Femtosecond induced transparency and absorption in the extreme ultraviolet by coherent coupling of the He $2s2p$ ( $1P_0$ ) and $2p^2$ ( $1S_e$ ) double excitation states with 800nm light. Chemical Physics, 2008, 350, 7-13.	0.9	82
142	Energetics and structural properties of trapped two-component Fermi gases. Physical Review A, 2008, 77, .	1.0	73
143	Efimov states embedded in the three-body continuum. Physical Review A, 2008, 78, .	1.0	18
144	Limits of the Plane Wave Approximation in the Measurement of Molecular Properties. Journal of Physical Chemistry A, 2008, 112, 9439-9447.	1.1	22

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145	The degenerate Fermi gas with density-dependent interactions in the large- $N$ limit under the K-harmonic approximation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 205302.	0.6	8
146	Ultracold atom-molecule collisions with fermionic atoms. <i>Physical Review A</i> , 2008, 77, .	1.0	17
147	<a href="#">Theoretical rate of dissociative recombination of <math>\text{HCO}^+</math></a> $\text{HCO}^+ + e^- \rightarrow \text{H} + \text{CO}$ <a href="#">Physical Review A, 2008, 77, .</a>	1.0	24
148	Stability of inhomogeneous multicomponent Fermi gases. <i>Physical Review A</i> , 2008, 77, .	1.0	13
149	Indirect dissociative recombination of $\text{LiH}_2^+ + e^-$ . <i>Physical Review A</i> , 2008, 78, .	1.0	6
150	Diffraction in low-energy electron scattering from DNA: Bridging gas-phase and solid-state theory. <i>Physical Review A</i> , 2008, 78, .	1.0	31
151	Recombination of $\text{H}^+$ ions in the afterglow of a He <sup>+</sup> Ar <sup>+</sup> H <sub>2</sub> plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 191001.	0.6	39
152	Rates for dissociative recombination of $\text{LiH}^+$ ions. <i>Journal of Physics: Conference Series</i> , 2008, 115, 012016.	0.3	5
153	Dissociative recombination of $\text{H}_3^+$ in the ground and excited vibrational states. <i>Journal of Chemical Physics</i> , 2007, 127, 124309.	1.2	91
154	Three-body recombination in one dimension. <i>Physical Review A</i> , 2007, 76, .	1.0	29
155	Publisher's Note: Hyperspherical description of the degenerate Fermi gas:s-wave interactions [Phys. Rev. A74, 053624 (2006)]. <i>Physical Review A</i> , 2007, 75, .	1.0	0
156	Spectrum and Dynamics of the BCS-BEC Crossover from a Few-Body Perspective. <i>Physical Review Letters</i> , 2007, 99, 090402.	2.9	56
157	Universal Properties of a Trapped Two-Component Fermi Gas at Unitarity. <i>Physical Review Letters</i> , 2007, 99, 233201.	2.9	95
158	BEC-BCS crossover of a trapped two-component Fermi gas with unequal masses. <i>Physical Review A</i> , 2007, 76, .	1.0	56
159	Coherent quantum engineering of free-space laser cooling. <i>Physical Review A</i> , 2007, 76, .	1.0	14
160	Renormalized mean-field theory for a two-component Fermi gas with s-wave interactions. <i>Physical Review A</i> , 2007, 75, .	1.0	16
161	High harmonic generation in $\text{SF}_6$ : Raman-excited vibrational quantum beats. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, F277-F283.	0.6	22
162	Indirect Dissociative Recombination of $\text{LiH}^+$ Molecules Fueled by Complex Resonance Manifolds. <i>Physical Review Letters</i> , 2007, 98, .	2.9	40

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163	Vibrational excitation and dissociative recombination of the LiH <sup>+</sup> ion. Molecular Physics, 2007, 105, 1565-1574.	0.8	16
164	Low-energy electron scattering from DNA and RNA bases: Shape resonances and radiation damage. Journal of Chemical Physics, 2006, 124, 054312.	1.2	99
165	Theoretical progress and challenges in dissociative recombination. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 2965-2980.	1.6	13
166	A mâ@nage Å trois laid bare. Nature, 2006, 440, 289-290.	13.7	24
167	A Hyperspherical Variational Approach to the N-Fermion Problem. Few-Body Systems, 2006, 38, 85-90.	0.7	2
168	Near-threshold rotational excitation of molecular ions by electron impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 4261-4273.	0.6	30
169	Radiation damage to DNA: Electron scattering from the backbone subunits. Journal of Chemical Physics, 2006, 125, 094504.	1.2	70
170	Hyperspherical description of the degenerate Fermi gas:s-wave interactions. Physical Review A, 2006, 74, .	1.0	17
171	Interaction of intense vuv radiation with large xenon clusters. Physical Review A, 2006, 74, .	1.0	28
172	Renner-Teller effects inHCO+dissociative recombination. Physical Review A, 2006, 74, .	1.0	34
173	Experimental Verification of Minima in Excited Long-Range Rydberg States ofRb2. Physical Review Letters, 2006, 97, 233002.	2.9	38
174	Predictions of laser-cooling temperatures for multilevel atoms in three-dimensional polarization-gradient fields. Physical Review A, 2006, 73, .	1.0	2
175	Dissociative recombination of HCO+. Journal of Physics: Conference Series, 2005, 4, 148-154.	0.3	26
176	Theoretical study of the H3+ ion dissociative recombination process. Journal of Physics: Conference Series, 2005, 4, 74-82.	0.3	22
177	Feshbach resonance cooling of trapped atom pairs. Physical Review A, 2005, 71, .	1.0	7
178	Siegert pseudostates: Completeness and time evolution. Physical Review A, 2005, 71, .	1.0	31
179	Electronâ€molecule scattering calculations in a 3D finite element R-matrix approach. Journal of Chemical Physics, 2005, 122, 014111.	1.2	33
180	Comment on â€œFano Line Shapes Reconsidered: Symmetric Photoionization Peaks from Pure Continuum Excitationâ€• Physical Review Letters, 2005, 94, 229301; author reply 229302.	2.9	3

#	ARTICLE	IF	CITATIONS
181	Theoretical study of dissociative recombination of C <sub>2</sub> triatomic ions: Application to H <sub>2</sub> D <sup>+</sup> and D <sub>2</sub> H <sup>+</sup> . Physical Review A, 2005, 72, .	1.0	31
182	High-Accuracy Optical Clock via Three-Level Coherence in Neutral Bosonic Sr <sup>88</sup> . Physical Review Letters, 2005, 94, 173002.	2.9	106
183	Multiphoton ionization of xenon in the vuv regime. Physical Review A, 2004, 70, .	1.0	38
184	Photofragmentation of the H <sub>3</sub> molecule, including Jahn-Teller coupling effects. Physical Review A, 2004, 69, .	1.0	27
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