

Paul S Julienne

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spin-Conservation Propensity Rule for Three-Body Recombination of Ultracold Rb Atoms. Physical Review Letters, 2022, 128, 133401.	2.9	7
2	Efimov resonance position near a narrow Feshbach resonance in a Li mixture. Physical Review A, 2022, 105, 032801.	1.0	5
3	Probing open- and closed-channel p -wave resonances. Physical Review Research, 2021, 3, .	1.3	12
4	Complexity of Fermionic Dissipative Interactions and Applications to Quantum Computing. PRX Quantum, 2021, 2, .	3.5	5
5	Observation of Efimov Universality across a Nonuniversal Feshbach Resonance in K . Physical Review Letters, 2020, 125, 243401.	2.9	23
6	Cold hybrid ion-atom systems. Reviews of Modern Physics, 2019, 91, .	16.4	163
7	Weakly bound molecules as sensors of new gravitylike forces. Scientific Reports, 2019, 9, 14807.	1.6	25
8	Precision Test of the Limits to Universality in Few-Body Physics. Physical Review Letters, 2019, 123, 233402.	2.9	37
9	Single-Atom Transistor as a Precise Magnetic Field Sensor. Physical Review Letters, 2018, 120, 013401.	2.9	8
10	Quo vadis now, cold molecules?. Nature Physics, 2018, 14, 873-874.	6.5	5
11	Observation of interspecies Feshbach resonances in an ultracold Cs mixture and refinement of interaction potentials. Physical Review A, 2017, 95, .	1.0	24
12	Rydberg optical Feshbach resonances in cold gases. Physical Review A, 2017, 96, .	1.0	12
13	Ultracold atoms in quasi-one-dimensional traps: A step beyond the Lieb-Liniger model. Physical Review A, 2017, 95, .	1.0	6
14	State-to-state chemistry for three-body recombination in an ultracold rubidium gas. Science, 2017, 358, 921-924.	6.0	61
15	Beyond-Born-Oppenheimer effects in sub-kHz-precision photoassociation spectroscopy of ytterbium atoms. Physical Review A, 2017, 96, .	1.0	19
16	Doublon dynamics and polar molecule production in an optical lattice. Nature Communications, 2016, 7, 11279.	5.8	42
17	Photoassociation of spin-polarized chromium. Physical Review A, 2016, 93, .	1.0	3
18	Chaotic scattering in the presence of a dense set of overlapping Feshbach resonances. Physical Review A, 2015, 92, .	1.0	11

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19	Optical Feshbach resonances: Field-dressed theory and comparison with experiments. <i>Physical Review A</i> , 2015, 92, .	1.0	39
20	Broad universal Feshbach resonances in the chaotic spectrum of dysprosium atoms. <i>Physical Review A</i> , 2015, 92, .	1.0	59
21	FEW-BODY PHYSICS OF ULTRACOLD ATOMS AND MOLECULES WITH LONG-RANGE INTERACTIONS. <i>Annual Review of Cold Atoms and Molecules</i> , 2015, , 77-134.	2.8	9
22	Mass scaling in photoassociation of spin-singlet atoms. <i>Journal of Physics: Conference Series</i> , 2015, 635, 092140.	0.3	0
23	Reactive collisions in confined geometries. <i>New Journal of Physics</i> , 2015, 17, 035007.	1.2	16
24	Cold atomic and molecular collisions: approaching the universal loss regime. <i>New Journal of Physics</i> , 2015, 17, 045019.	1.2	25
25	Contrasting the wide Feshbach resonances in Li_6 and Li_7 . <i>Physical Review A</i> , 2014, 89, .	1.0	40
26	Mass scaling and nonadiabatic effects in photoassociation spectroscopy of ultracold strontium atoms. <i>Physical Review A</i> , 2014, 90, .	1.0	32
27	Quantum-defect model of a reactive collision at finite temperature. <i>Physical Review A</i> , 2014, 90, .	1.0	20
28	Chaos in the cold. <i>Nature</i> , 2014, 507, 440-441.	13.7	3
29	Effective-range approximations for resonant scattering of cold atoms. <i>Physical Review A</i> , 2014, 89, .	1.0	29
30	Universal van der Waals physics for three cold atoms near Feshbach resonances. <i>Nature Physics</i> , 2014, 10, 768-773.	6.5	60
31	Analytical model of overlapping Feshbach resonances. <i>Physical Review A</i> , 2013, 88, .	1.0	32
32	Hyperfine and vibrational structure of weakly bound levels of the lowest molecular state of molecular lithium. <i>Physical Review A</i> , 2013, 88, .	1.0	3
33	Ultracold mixtures of atomic lithium and cesium. <i>Physical Review A</i> , 2013, 87, .	1.0	70
34	Feshbach resonances, weakly bound molecular states, and coupled-channel potentials for cesium at high magnetic fields. <i>Physical Review A</i> , 2013, 87, .	1.0	88
35	Quantum Theory of Reactive Collisions for $\text{Li} + \text{Li}_2$. <i>Physical Review Letters</i> , 2013, 110, 213202.	2.9	47
36	Precise Characterization of $\text{Li} + \text{Li}_2$ Feshbach Resonances Using Trap-Sideband-Resolved RF Spectroscopy of Weakly Bound Molecules. <i>Physical Review Letters</i> , 2013, 110, 135301.	2.9	183

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37	Feshbach spectroscopy of an ultracold mixture of ^{85}Rb and ^{133}Cs . Physical Review A, 2013, 87, .	1.0	25
38	Scattering lengths in isotopologues of the RbYb system. Physical Review A, 2013, 88, .	1.0	53
39	Resonant control of polar molecules in individual sites of an optical lattice. Physical Review A, 2012, 85, .	1.0	12
40	Controlled Production of Subradiant States of a Diatomic Molecule in an Optical Lattice. Physical Review Letters, 2012, 108, 173002.	2.9	44
41	Cool molecules. Nature, 2012, 492, 364-365.	13.7	0
42	Optimized multichannel quantum defect theory for cold molecular collisions. Physical Review A, 2012, 86, .	1.0	10
43	Towards the production of ultracold ground-state RbCs molecules: Feshbach resonances, weakly bound states, and the coupled-channel model. Physical Review A, 2012, 85, .	1.0	131
44	Ultracold Molecules under Control!. Chemical Reviews, 2012, 112, 4949-5011.	23.0	342
45	Cool ion chemistry. Nature Physics, 2012, 8, 642-643.	6.5	8
46	Universal ultracold collision rates for polar molecules of two alkali-metal atoms. Physical Chemistry Chemical Physics, 2011, 13, 19114.	1.3	74
47	Feshbach resonances in the $6\text{Li}-40\text{K}$ Fermi-Fermi mixture: elastic versus inelastic interactions. European Physical Journal D, 2011, 65, 55-65.	0.6	42
48	Multichannel quantum-defect theory for ultracold atom-ion collisions. New Journal of Physics, 2011, 13, 083005.	1.2	69
49	Multichannel quantum defect theory for cold molecular collisions. Physical Review A, 2011, 84, .	1.0	35
50	Photoassociative production of ultracold heteronuclear ytterbium molecules. Physical Review A, 2011, 84, .	1.0	14
51	Yb and ^{174}Yb and ^{87}Rb . Physical Review Letters, 2011, 107, 120401.	1.0	39
52	Universality of the Three-Body Parameter for Efimov States in Ultracold Cesium. Physical Review Letters, 2011, 107, 120401.	2.9	180
53	Ab initio properties of Li-group-II molecules for ultracold matter studies. Journal of Chemical Physics, 2011, 135, 164108.	1.2	45
54	Two-orbital $SU(N)$ magnetism with ultracold alkaline-earth atoms. Nature Physics, 2010, 6, 289-295.	6.5	572

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55	Universal Rates for Reactive Ultracold Polar Molecules in Reduced Dimensions. Physical Review Letters, 2010, 105, 073202.	2.9	79
56	Simple quantum model of ultracold polar molecule collisions. Physical Review A, 2010, 82, .	1.0	66
57	Improving the efficiency of ultracold dipolar molecule formation by first loading onto an optical lattice. Physical Review A, 2010, 81, .	1.0	24
58	Universal Rate Constants for Reactive Collisions of Ultracold Molecules. Physical Review Letters, 2010, 104, 113202.	2.9	173
59	Creation and manipulation of Feshbach resonances with radiofrequency radiation. New Journal of Physics, 2010, 12, 083031.	1.2	31
60	Quantum-State Controlled Chemical Reactions of Ultracold Potassium-Rubidium Molecules. Science, 2010, 327, 853-857.	6.0	775
61	Feshbach resonances in ultracold gases. Reviews of Modern Physics, 2010, 82, 1225-1286.	16.4	2,905
62	Quantum theory of ultracold atom-ion collisions. Physical Review A, 2009, 79, .	1.0	104
63	Prediction of Feshbach resonances from three input parameters. Physical Review A, 2009, 79, .	1.0	31
64	Collisional cooling of ultracold-atom ensembles using Feshbach resonances. Physical Review A, 2009, 80, .	1.0	7
65	Multi-channel modelling of the formation of vibrationally cold polar KRb molecules. New Journal of Physics, 2009, 11, 055043.	1.2	24
66	Probing Interactions Between Ultracold Fermions. Science, 2009, 324, 360-363.	6.0	99
67	Controlling nuclear spin exchange via optical Feshbach resonances in Y . Physical Review A, 2009, 80, .	1.0	27
68	Line shapes of optical Feshbach resonances near the intercombination transition of bosonic ytterbium. Physical Review A, 2009, 80, .	1.0	36
69	Radio-frequency dressing of multiple Feshbach resonances. Physical Review A, 2009, 80, .	1.0	45
70	Ultracold polar molecules near quantum degeneracy. Faraday Discussions, 2009, 142, 351.	1.6	95
71	Ultracold molecules from ultracold atoms: a case study with the KRb molecule. Faraday Discussions, 2009, 142, 361.	1.6	49
72	Molecular States Near a Collision Threshold. , 2009, , .		0

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73	Cruising through molecular bound-state manifolds with radiofrequency. <i>Nature Physics</i> , 2008, 4, 223-226.	6.5	52
74	Efficient state transfer in an ultracold dense gas of heteronuclear molecules. <i>Nature Physics</i> , 2008, 4, 622-626.	6.5	258
75	Two-color photoassociation spectroscopy of ytterbium atoms and the precise determinations of s -wave scattering lengths. <i>Physical Review A</i> , 2008, 77, .	1.0	195
76	A High Phase-Space-Density Gas of Polar Molecules. <i>Science</i> , 2008, 322, 231-235.	6.0	1,570
77	Heteronuclear molecules in an optical dipole trap. <i>Physical Review A</i> , 2008, 78, .	1.0	92
78	Avoided crossings between bound states of ultracold cesium dimers. <i>Physical Review A</i> , 2008, 78, .	1.0	40
79	Two-Body Transients in Coupled Atomic-Molecular Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2008, 100, 093001.	2.9	13
80	Effective-range description of a Bose gas under strong one- or two-dimensional confinement. <i>New Journal of Physics</i> , 2007, 9, 19-19.	1.2	49
81	Quantum scattering of distinguishable bosons using an ultracold-atom collider. <i>Physical Review A</i> , 2007, 75, .	1.0	10
82	Excited Thomas-Efimov levels in ultracold gases. <i>Physical Review A</i> , 2007, 76, .	1.0	60
83	Quantum Logic via the Exchange Blockade in Ultracold Collisions. <i>Physical Review Letters</i> , 2007, 98, 070501.	2.9	95
84	Ultracold photoassociation spectroscopy: Long-range molecules and atomic scattering. <i>Reviews of Modern Physics</i> , 2006, 78, 483-535.	16.4	724
85	Two-channel R-matrix analysis of magnetic-field-induced Feshbach resonances. <i>Physical Review A</i> , 2006, 73, .	1.0	31
86	Production of cold molecules via magnetically tunable Feshbach resonances. <i>Reviews of Modern Physics</i> , 2006, 78, 1311-1361.	16.4	895
87	Simple Theoretical Models for Resonant Cold Atom Interactions. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	14
88	Optical Feshbach resonances of alkaline-earth-metal atoms in a one- or two-dimensional optical lattice. <i>Physical Review A</i> , 2006, 74, .	1.0	27
89	Stationary phase approximation for the strength of optical Feshbach resonances. <i>Physical Review A</i> , 2006, 74, .	1.0	16
90	Narrow Line Photoassociation in an Optical Lattice. <i>Physical Review Letters</i> , 2006, 96, 203201.	2.9	98

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91	Photoassociation Spectroscopy of Ultracold Atoms and the Study of "Physicist's Molecules," a review. , 2006, , .		0
92	Optical tuning of the scattering length of cold alkaline-earth-metal atoms. Physical Review A, 2005, 71, .	1.0	101
93	Feshbach resonances in fermionic Li6. Physical Review A, 2005, 71, .	1.0	185
94	Ultracold dimer association induced by a far-off-resonance optical lattice. Physical Review A, 2005, 71, .	1.0	16
95	Spontaneous Dissociation of Long-Range Feshbach Molecules. Physical Review Letters, 2005, 94, 020402.	2.9	42
96	Multichannel quantum-defect theory for slow atomic collisions. Physical Review A, 2005, 72, .	1.0	75
97	Loading Bose-Einstein-condensed atoms into the ground state of an optical lattice. Physical Review A, 2005, 72, .	1.0	6
98	Measurement and modeling of hyperfine- and rotation-induced state mixing in large weakly bound sodium dimers. Physical Review A, 2005, 71, .	1.0	31
99	Radio-frequency transitions on weakly bound ultracold molecules. Physical Review A, 2005, 71, .	1.0	74
100	Precise Determination of Li6 Cold Collision Parameters by Radio-Frequency Spectroscopy on Weakly Bound Molecules. Physical Review Letters, 2005, 94, 103201.	2.9	234
101	Analysis of dynamical tunneling experiments with a Bose-Einstein condensate. Physical Review A, 2004, 70, .	1.0	21
102	Photoassociation spectroscopy of cold alkaline-earth-metal atoms near the intercombination line. Physical Review A, 2004, 70, .	1.0	49
103	Quantum computations with atoms in optical lattices: Marker qubits and molecular interactions. Physical Review A, 2004, 70, .	1.0	139
104	Beam-loss spectroscopy of cold collisions in a bright sodium beam. Physical Review A, 2004, 69, .	1.0	5
105	Imaging of s and d Partial-Wave Interference in Quantum Scattering of Identical Bosonic Atoms. Physical Review Letters, 2004, 93, 173201.	2.9	77
106	Molecular Production in Two Component Atomic Fermi Gases. Physical Review Letters, 2004, 93, 260403.	2.9	19
107	Making cold molecules by time-dependent feshbach resonances. Journal of Modern Optics, 2004, 51, 1787-1806.	0.6	28
108	Near-threshold photoassociation of 87Rb2. Physical Review A, 2004, 69, .	1.0	31

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109	Four-wave mixing in Bose-Einstein condensate systems with multiple spin states. <i>Physical Review A</i> , 2004, 70, .	1.0	6
110	Photoassociative formation of ultracold polar KRb molecules. <i>European Physical Journal D</i> , 2004, 31, 189-194.	0.6	27
111	Adiabatic association of ultracold molecules via magnetic-field tunable interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 3457-3500.	0.6	92
112	Really cool molecules. <i>Nature</i> , 2003, 424, 24-25.	13.7	14
113	Ultracold Collision Properties of Metastable Alkaline-Earth Atoms. <i>Physical Review Letters</i> , 2003, 90, 063002.	2.9	58
114	Pseudopotential model of ultracold atomic collisions in quasi-one- and two-dimensional traps. <i>Physical Review A</i> , 2003, 68, .	1.0	58
115	Ab initio calculation of the KRb dipole moments. <i>Physical Review A</i> , 2003, 68, .	1.0	77
116	Creation of a Dipolar Superfluid in Optical Lattices. <i>Physical Review Letters</i> , 2003, 90, 110401.	2.9	147
117	Decay and revival of phase coherence of a Bose-Einstein condensate in a one-dimensional lattice. <i>Physical Review A</i> , 2003, 67, .	1.0	22
118	Photoassociation of Sodium in a Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2002, 88, 120403.	2.9	147
119	Subthermal linewidths in photoassociation spectra of cold alkaline-earth-metal atoms. <i>Physical Review A</i> , 2002, 65, .	1.0	13
120	Designing neutral-atom nanotraps with integrated optical waveguides. <i>Physical Review A</i> , 2002, 65, .	1.0	41
121	Effective-scattering-length model of ultracold atomic collisions and Feshbach resonances in tight harmonic traps. <i>Physical Review A</i> , 2002, 66, .	1.0	153
122	Intensity effects in ultracold photoassociation line shapes. <i>Physical Review A</i> , 2002, 66, .	1.0	37
123	Vortices in atomic-molecular Bose-Einstein condensates. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002, 4, S33-S38.	1.4	15
124	Scattering length of the ground-state Mg+Mg collision. <i>Physical Review A</i> , 2002, 65, .	1.0	42
125	Quantum effects on curve crossing in a Bose-Einstein condensate. <i>Physical Review A</i> , 2002, 65, .	1.0	40
126	Ultra-Cold Collisions of Atoms and Molecules. , 2002, , 1043-1067.		0

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127	Quantum encounters of the cold kind. Nature, 2002, 416, 225-232.	13.7	81

128 Treasure of the past X - A spectroscopic determination of scattering lengths for sodium atom

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145	Measurement of the Coherence of a Bose-Einstein Condensate. <i>Physical Review Letters</i> , 1999, 83, 3112-3115.	2.9	169
146	Spin polarization and quantum-statistical effects in ultracold ionizing collisions. <i>Physical Review A</i> , 1999, 59, 1926-1935.	1.0	36
147	Fitting line shapes in photoassociation spectroscopy of ultracold atoms: A useful approximation. <i>Physical Review A</i> , 1999, 61, .	1.0	42
148	Determination of the scattering lengths of ^{39}K from $1\mu\text{m}$ photoassociation line shapes. <i>Physical Review A</i> , 1999, 60, 4427-4438.	1.0	32
149	Atom loss from Bose-Einstein condensates due to Feshbach resonance. <i>Physical Review A</i> , 1999, 60, R765-R768.	1.0	76
150	Collisions of cold magnesium atoms in a weak laser field. <i>Physical Review A</i> , 1999, 59, R4113-R4116.	1.0	28
151	Four-wave mixing with matter waves. <i>Nature</i> , 1999, 398, 218-220.	13.7	406
152	Semianalytic theory of laser-assisted resonant cold collisions. <i>Physical Review A</i> , 1999, 60, 414-425.	1.0	195
153	Radio-frequency output coupling of the Bose-Einstein condensate for atom lasers. <i>Physical Review A</i> , 1999, 59, 3823-3831.	1.0	31
154	Experiments and theory in cold and ultracold collisions. <i>Reviews of Modern Physics</i> , 1999, 71, 1-85.	16.4	808
155	Photoassociative spectroscopy of highly excited vibrational levels of alkali-metal dimers: Green-function approach for eigenvalue solvers. <i>Physical Review A</i> , 1998, 57, 4257-4267.	1.0	69
156	Observation of the pure long-range 1σ state of an alkali-metal dimer by photoassociative spectroscopy. <i>Physical Review A</i> , 1998, 57, 4600-4603.	1.0	20
157	Quantum and semiclassical calculations of cold-atom collisions in light fields. <i>Physical Review A</i> , 1998, 57, 3724-3738.	1.0	27
158	Elastic and Inelastic Collisions of Cold Spin-Polarized ^{133}Cs Atoms. <i>Physical Review Letters</i> , 1998, 81, 1389-1392.	2.9	49
159	Stimulated Raman molecule production in Bose-Einstein condensates. <i>Physical Review A</i> , 1998, 58, R797-R800.	1.0	101
160	Nonadiabatic dynamics in evaporative cooling of trapped atoms by a radio-frequency field. <i>Physical Review A</i> , 1998, 58, 3983-3992.	1.0	17
161	Collisional Stability of Double Bose Condensates. <i>Physical Review Letters</i> , 1997, 78, 1880-1883.	2.9	112
162	Theory of optical suppression of ultracold-collision rates by polarized light. <i>Physical Review A</i> , 1997, 55, 1191-1207.	1.0	51

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163	Prospects for influencing scattering lengths with far-off-resonant light. <i>Physical Review A</i> , 1997, 56, 1486-1491.	1.0	148
164	Measurement of the atomic Na(3 P) lifetime and of retardation in the interaction between two atoms bound in a molecule. <i>Europhysics Letters</i> , 1996, 35, 85-90.	0.7	121
165	Excitons in complex quantum nanostructures. <i>Surface Science</i> , 1996, 361-362, 801-804.	0.8	4
166	A spectroscopic determination of scattering lengths for sodium atom collisions. <i>Journal of Research of the National Institute of Standards and Technology</i> , 1996, 101, 505.	0.4	191
167	Exciton binding and delocalization in T-shaped quantum wires. <i>Physica B: Condensed Matter</i> , 1996, 227, 390-392.	1.3	1
168	Hyperfine structure of the Na ₂ $\tilde{O}g^{\sim}$ long-range molecular state. <i>Physical Review A</i> , 1996, 53, R1939-R1942.	1.0	26
169	Laser-Driven Collisions between Atoms in a Bose-Einstein Condensed Gas. <i>Physical Review Letters</i> , 1996, 77, 1416-1419.	2.9	59
170	Ultracold collisions and optical shielding in metastable xenon. <i>Physical Review A</i> , 1996, 53, 1678-1689.	1.0	29
171	Semianalytic treatment of two-color photoassociation spectroscopy and control of cold atoms. <i>Physical Review A</i> , 1996, 54, R4637-R4640.	1.0	79
172	Cold binary atomic collisions in a light field. <i>Journal of Research of the National Institute of Standards and Technology</i> , 1996, 101, 487.	0.4	87
173	Estimating bounds on collisional relaxation rates of spin-polarized 87Rb atoms at ultracold temperatures. <i>Journal of Research of the National Institute of Standards and Technology</i> , 1996, 101, 521.	0.4	106
174	First observation of the $v=3$ level of the $B^{\infty}1\tilde{\Sigma}^+$ Rydberg state of CO. <i>Journal of Chemical Physics</i> , 1995, 102, 3956-3961.	1.2	26
175	Optical collisions in ultracold atom traps: Two-photon distorted-wave theory. <i>Physical Review A</i> , 1995, 52, 4029-4042.	1.0	2
176	Optical shielding of cold collisions. <i>Physical Review A</i> , 1995, 51, 1446-1457.	1.0	45
177	Coupled channel bound states calculations for alkali dimers using the Fourier grid method. <i>Journal of Chemical Physics</i> , 1995, 103, 60-66.	1.2	43
178	Quantum state-selected photodissociation of K ₂ ($B^{\infty}1\tilde{u}^+$, $X^{\infty}1\tilde{\Sigma}^+$, g): A case study of final state alignment in all-optical multiple resonance photodissociation. <i>Journal of Chemical Physics</i> , 1995, 102, 2440-2451.	1.2	13
179	Trap-loss collisions of ultracold lithium atoms. <i>Physical Review A</i> , 1995, 51, R890-R893.	1.0	42
180	Cold atoms see the light. <i>Physics World</i> , 1995, 8, 42-48.	0.0	7

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181	Photoassociative Spectroscopy of Laser-Cooled Atoms. Annual Review of Physical Chemistry, 1995, 46, 423-452.	4.8	129
182	Ultracold-molecule production by laser-cooled atom photoassociation. Physical Review A, 1995, 51, R4317-R4320.	1.0	120
183	Complex-potential model of collisions of laser-cooled atoms. Physical Review A, 1994, 49, 3890-3896.	1.0	33
184	Optical Suppression of Photoassociative Ionization in a Magneto-Optical Trap. Physical Review Letters, 1994, 73, 1911-1914.	2.9	54
185	Line Shapes of High Resolution Photoassociation Spectra of Optically Cooled Atoms. Physical Review Letters, 1994, 73, 1352-1355.	2.9	134
186	Excited-state survival probabilities for cold collisions in a weak laser field. Physical Review A, 1994, 49, 3897-3902.	1.0	27
187	Molecular hyperfine structure in the photoassociation spectroscopy of laser cooled atoms. Journal of Chemical Physics, 1994, 101, 2634-2637.	1.2	56
188	Accuracy of molecular data in the understanding of ultracold collisions. Physical Review A, 1994, 49, 607-610.	1.0	13
189	Collisional loss rate in a magneto-optical trap for sodium atoms: Light-intensity dependence. Physical Review A, 1993, 47, R4563-R4566.	1.0	68
190	Mass effects in the theoretical determination of nuclear-spin relaxation rates for atomic hydrogen and deuterium. Physical Review A, 1993, 47, 1524-1527.	1.0	35
191	Theory of laser-induced associative ionization of ultracold Na. Physical Review A, 1993, 47, 1887-1906.	1.0	30
192	A model of the $B^1\Sigma^+ + D^1\Sigma^+ \rightarrow Rydberg + valence$ predissociating interaction in the CO molecule. Journal of Chemical Physics, 1992, 96, 6735-6745.	1.2	61
193	Optical-Bloch-equation method for cold-atom collisions: Cs loss from optical traps. Physical Review A, 1992, 46, 330-343.	1.0	47
194	Semiclassical theory of collision-induced loss from optical traps. Physical Review A, 1992, 46, 4091-4099.	1.0	15
195	Theory of Collisions between Laser Cooled Atoms. Advances in Atomic, Molecular and Optical Physics, 1992, 30, 141-198.	2.3	81
196	Laser modification of ultracold atomic collisions: Theory. Physical Review Letters, 1991, 67, 2135-2138.	2.9	32
197	A multichannel quantum defect half-collision analysis of K_2 photodissociation through the $B^1\Sigma^+$ state. Journal of Chemical Physics, 1991, 95, 4177-4187.	1.2	23
198	Cold collisions of ground- and excited-state alkali-metal atoms. Physical Review A, 1991, 44, 4464-4485.	1.0	161

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199	Fine-structure branching ratios and atoms polarization in Na-Xe optical collisions. AIP Conference Proceedings, 1990, , .	0.3	0
200	Intersystem crossing in collisions of aligned Ca(4s5p 1P)+He: A half collision analysis using multichannel quantum defect theory. Journal of Chemical Physics, 1990, 93, 8784-8792.	1.2	23
201	Collisions of ultracoldtrapped atoms. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 2257.	0.9	173
202	Laser Modification of Ultracold Atomic Collisions in Optical Traps. Physical Review Letters, 1988, 61, 698-701.	2.9	37
203	Laser Modification of Ultracold Atomic Collisions in Optical Traps. Physical Review Letters, 1988, 61, 2280-2280.	2.9	0
204	Observation of associative ionization of ultracold laser-trapped sodium atoms. Physical Review Letters, 1988, 60, 788-791.	2.9	121
205	Laser-induced photoassociation of ultracold sodium atoms. Physical Review Letters, 1987, 58, 2420-2423.	2.9	338
206	Nonadiabatic theory of atomic line broadening: Redistribution calculations for Sr(1P \rightarrow 1S)+Ar. Physical Review A, 1986, 34, 3792-3808.	1.0	61
207	Nonadiabatic theory of fine-structure branching cross sections for Na-He, Na-Ne, and Na-Ar optical collisions. Physical Review A, 1986, 34, 1856-1868.	1.0	38
208	Collision-Induced Radiative Transitions at Optical Frequencies. , 1985, , 749-771.		14
209	Nonadiabatic theory of atomic line broadening: Final-state distributions and the polarization of redistributed radiation. Physical Review A, 1984, 30, 831-843.	1.0	48
210	A simple sum rule for total radiative decay rates: Comparison of quantal and classical methods for diatomics. Journal of Chemical Physics, 1984, 81, 5779-5785.	1.2	25
211	A multichannel quantum defect analysis of two \hat{e} state couplings in diatomic molecules. Journal of Chemical Physics, 1984, 80, 2526-2536.	1.2	85
212	Role of angular momentum for atomic scattering in intense laser fields. Physical Review A, 1982, 25, 3399-3402.	1.0	24
213	Nonadiabatic theory of collision-broadened atomic line profiles. Physical Review A, 1982, 26, 3299-3317.	1.0	69
214	The thermodynamic properties of diatomic molecules at elevated temperatures: Role of continuum and metastable states. Journal of Chemical Physics, 1982, 77, 6162-6176.	1.2	44
215	Emission and predissociation of Li+22 \hat{u} . Chemical Physics Letters, 1982, 87, 240-243.	1.2	5
216	Li ₂ and Na ₂ 3 \hat{g} + \hat{e} 3 \hat{u} + excimer emission. Journal of Chemical Physics, 1980, 72, 5815-5818.	1.2	52

#	ARTICLE	IF	CITATIONS
217	Theory of rare gas "group VI 1S" 1D collision-induced transitions. Journal of Chemical Physics, 1978, 68, 32.	1.2	35
218	Theory of gain and saturation for collision-induced lasing transitions. Journal of Applied Physics, 1977, 48, 4140-4148.	1.1	11
219	Theoretical determination of bound-free absorption cross sections in Ar+2. Journal of Chemical Physics, 1977, 67, 2860.	1.2	121
220	Cascade and radiation trapping effects on atmospheric atomic oxygen emission excited by electron impact. Journal of Geophysical Research, 1976, 81, 1397-1403.	3.3	88
221	Auroral NO concentrations?. Journal of Geophysical Research, 1976, 81, 4765-4769.	3.3	34
222	Collision-induced O 1D 2 π -1S0 emission near 5577 Å... in argon. Chemical Physics Letters, 1976, 38, 374-381.	1.2	60
223	coupling in the O2 predissociation. Journal of Molecular Spectroscopy, 1976, 63, 60-79.	0.4	76
224	Predissociation of the Schumann-Runge bands of O2. Journal of Molecular Spectroscopy, 1975, 56, 270-308.	0.4	137
225	The aeronomy of odd nitrogen in the thermosphere. Journal of Geophysical Research, 1975, 80, 3068-3076.	3.3	79
226	Nonadiabatic effects in the B, C, B Σ 2, and D states of H2. Journal of Molecular Spectroscopy, 1973, 48, 508-529.	0.4	31
227	Excitation of O2 1 Σ g by electron impact. Journal of Research of the National Bureau of Standards Section A Physics and Chemistry, 1972, 76A, 661.	0.6	6
228	Vibrational and electronic oscillator strengths of LiO. Journal of Research of the National Bureau of Standards Section A Physics and Chemistry, 1972, 76A, 665.	0.6	2
229	Impurity States in a Linear Molecular Crystal. Journal of Chemical Physics, 1968, 49, 3704-3705.	1.2	1
230	Trapped Electrons in Ice. Molecular Crystals, 1968, 5, 135-139.	1.2	6
231	Non-linear atom optics: solitons and four-wave-mixing in a Bose-Einstein condensate. , 0, , .		0
232	Making cold molecules by time-dependent feshbach resonances. , 0, .		5