

John L Bohn

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,473
citations

361413
20
h-index

361022
35
g-index

36
all docs

36
docs citations

36
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric field dependence of complex-dominated ultracold molecular collisions. Physical Review A, 2022, 105, .	2.5	7
2	Channel Selection of Ultracold Atom-Molecule Scattering in Dynamic Magnetic Fields. Physical Review Letters, 2022, 129, .	7.8	1
3	Determination of the scattering length of erbium atoms. Physical Review A, 2022, 105, .	2.5	13
4	Magnetic moments of lanthanide van der Waals dimers. Physical Review A, 2021, 103, .	2.5	1
5	Anisotropic thermalization of dilute dipolar gases. Physical Review A, 2021, 103, .	2.5	12
6	Tuning of dipolar interactions and evaporative cooling in a three-dimensional molecular quantum gas. Nature Physics, 2021, 17, 1144-1148.	16.7	52
7	Linear response of a periodically driven thermal dipolar gas. Physical Review A, 2020, 102, .	2.5	7
8	Unified model of ultracold molecular collisions. Physical Review A, 2020, 102, .	2.5	22
9	Ultracold collisions of the lithium monoxide radical. Physical Review A, 2020, 102, .	2.5	1
10	Manifestation of quantum chaos in Fano-Feshbach resonances. Physical Review A, 2018, 98, .	2.5	7
11	Adimensional theory of shielding in ultracold collisions of dipolar rotors. Physical Review A, 2017, 96, .	2.5	36
12	lengths of the strongly dipolar bosons	2.5	63
13	Quantum defect theory for cold chemistry with product-quantum-state resolution. Physical Review A, 2014, 90, .	2.5	13
14	Differential scattering and rethermalization in ultracold dipolar gases. Physical Review A, 2014, 89, .	2.5	28
15	Long-lived complexes and chaos in ultracold molecular collisions. Physical Review A, 2014, 89, .	2.5	45
16	Quantum chaos in ultracold collisions of gas-phase erbium atoms. Nature, 2014, 507, 475-479.	27.8	196
17	Quantum defect theory for high-partial-wave cold collisions. Physical Review A, 2013, 87, .	2.5	32
18	Scattering of ultracold molecules in the highly resonant regime. Physical Review A, 2013, 87, .	2.5	157

#	ARTICLE	IF	CITATIONS
19	Geometric stability spectra of dipolar Bose gases in tunable optical lattices. <i>Physical Review A</i> , 2013, 88, .	2.5	11
20	Stability spectroscopy of rotons in a dipolar Bose gas. <i>Physical Review A</i> , 2013, 87, .	2.5	16
21	Roton immiscibility in a two-component dipolar Bose gas. <i>Physical Review A</i> , 2012, 86, .	2.5	62
22	Statistical aspects of ultracold resonant scattering. <i>Physical Review A</i> , 2012, 85, .	2.5	105
23	Universalities in ultracold reactions of alkali-metal polar molecules. <i>Physical Review A</i> , 2011, 84, .	2.5	46
24	Simple quantum model of ultracold polar molecule collisions. <i>Physical Review A</i> , 2010, 82, .	2.5	66
25	Zero sound in dipolar Fermi gases. <i>Physical Review A</i> , 2010, 81, .	2.5	46
26	Strong dependence of ultracold chemical rates on electric dipole moments. <i>Physical Review A</i> , 2010, 81, .	2.5	83
27	Berry-like phases in structured atoms and molecules. <i>Physical Review A</i> , 2009, 80, .	2.5	17
28	Loss of molecules in magneto-electrostatic traps due to nonadiabatic transitions. <i>Physical Review A</i> , 2008, 78, .	2.5	20
29	Influence of a humidior on the aerodynamics of baseballs. <i>American Journal of Physics</i> , 2008, 76, 1015-1021.	0.7	10
30	Pseudopotential treatment of two aligned dipoles under external harmonic confinement. <i>Physical Review A</i> , 2007, 75, .	2.5	34
31	Cold collisions between OH and Rb: The field-free case. <i>Physical Review A</i> , 2007, 75, .	2.5	49
32	Dipolar Bose-Einstein condensates with dipole-dependent scattering length. <i>Physical Review A</i> , 2006, 74, .	2.5	68
33	Stability of fermionic Feshbach molecules in a Bose-Fermi mixture. <i>Physical Review A</i> , 2006, 74, .	2.5	14
34	ELECTRIC FIELD SPECTROSCOPY OF ULTRACOLD POLAR MOLECULAR DIMERS. , 2005, , .		1
35	Fine-structure effects in vibrational relaxation at ultralow temperatures. <i>Journal of Chemical Physics</i> , 2003, 119, 866-871.	3.0	11
36	Multichannel Cold Collisions: Simple Dependences on Energy and Magnetic Field. <i>Physical Review Letters</i> , 1998, 81, 3355-3358.	7.8	121