

Bo Yan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,248
citations

623734

14
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1798
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of dipolar spin-exchange interactions with lattice-confined polar molecules. Nature, 2013, 501, 521-525.	27.8	671
2	Collective Dipole Oscillations of a Spin-Orbit Coupled Bose-Einstein Condensate. Physical Review Letters, 2012, 109, 115301.	7.8	471
3	Long-Lived Dipolar Molecules and Feshbach Molecules in a 3D Optical Lattice. Physical Review Letters, 2012, 108, 080405.	7.8	207
4	Creation of a low-entropy quantum gas of polar molecules in an optical lattice. Science, 2015, 350, 659-662.	12.6	164
5	Many-Body Dynamics of Dipolar Molecules in an Optical Lattice. Physical Review Letters, 2014, 113, 195302.	7.8	162
6	Tunable Nonreciprocal Quantum Transport through a Dissipative Aharonov-Bohm Ring in Ultracold Atoms. Physical Review Letters, 2020, 124, 070402.	7.8	107
7	Topological characterizations of an extended Su-Schrieffer-Heeger model. Npj Quantum Information, 2019, 5, .	6.7	94
8	Rotational State Microwave Mixing for Laser Cooling of Complex Diatomic Molecules. Physical Review Letters, 2015, 114, 223003.	7.8	77
9	Strongly interacting ultracold polar molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 152002.	1.5	70
10	Topological Quantum Walks in Momentum Space with a Bose-Einstein Condensate. Physical Review Letters, 2020, 124, 050502.	7.8	62
11	Structure, branching ratios, and a laser-cooling scheme for the BaF molecule. Physical Review A, 2016, 94, .	2.5	35
12	Prospects for a narrow line MOT in YO. New Journal of Physics, 2015, 17, 055008.	2.9	34
13	Cold collision and high-resolution spectroscopy of buffer-gas-cooled BaF molecules. Physical Review A, 2017, 95, .	2.5	23
14	Quantum Zeno effects across a parity-time symmetry breaking transition in atomic momentum space. Npj Quantum Information, 2021, 7, .	6.7	17
15	Fast production of rubidium Bose-Einstein condensate in a dimple trap. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 500.	2.1	12
16	Laser cooling with adiabatic passage for type-II transitions. Frontiers of Physics, 2021, 16, 1.	5.0	10
17	Doppler cooling of buffer-gas-cooled barium monofluoride molecules. Physical Review A, 2022, 105, .	2.5	7
18	Note: An in situ method for measuring the non-linear response of a Fabry-Perot cavity. Review of Scientific Instruments, 2016, 87, 096102.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Improvements on type-II Zeeman slowing of molecules through polarization selectivity. <i>Physical Review A</i> , 2019, 100, .	2.5	6
20	Periodic driving induced helical Floquet channels with ultracold atoms in momentum space. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	4
21	Microwave-mediated magneto-optical trap for polar molecules. <i>Chinese Physics B</i> , 2016, 25, 053701.	1.4	3
22	Note: A simple magnetic field design for dichroic atomic vapor laser lock. <i>Review of Scientific Instruments</i> , 2018, 89, 046106.	1.3	3
23	Laser cooling and trapping of polar molecules. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 043701.	0.5	3
24	Isotope separation of Potassium with a magneto-optical combined method. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.0	0