

Bihui Zhu

List of Publications by Year in descending order

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papers

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687363

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813
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Correlations from the Collective Spin Fluctuations of a Large Ensemble of Lattice-Trapped Dipolar Spin-3 Atoms. <i>Physical Review Letters</i> , 2022, 129, .	7.8	4
2	Relaxation of the Collective Magnetization of a Dense 3D Array of Interacting Dipolar $S=3$ Atoms. <i>Physical Review Letters</i> , 2020, 125, 143401.	7.8	14
3	Controlling dipolar exchange interactions in a dense three-dimensional array of large-spin fermions. <i>Physical Review Research</i> , 2020, 2, .	3.6	39
4	A generalized phase space approach for solving quantum spin dynamics. <i>New Journal of Physics</i> , 2019, 21, 082001.	2.9	34
5	Dicke time crystals in driven-dissipative quantum many-body systems. <i>New Journal of Physics</i> , 2019, 21, 073028.	2.9	90
6	Dynamics of an itinerant spin-3 atomic dipolar gas in an optical lattice. <i>Physical Review A</i> , 2019, 100, .	2.5	9
7	Out-of-equilibrium quantum magnetism and thermalization in a spin-3 many-body dipolar lattice system. <i>Nature Communications</i> , 2019, 10, 1714.	12.8	44
8	Spin mixing and protection of ferromagnetism in a spinor dipolar condensate. <i>Physical Review A</i> , 2018, 97, .	2.5	10
9	Shattered time: can a dissipative time crystal survive many-body correlations?. <i>New Journal of Physics</i> , 2018, 20, 123003.	2.9	61
10	Cavity-mediated collective spin-exchange interactions in a strontium superradiant laser. <i>Science</i> , 2018, 361, 259-262.	12.6	124
11	Light scattering from dense cold atomic media. <i>Physical Review A</i> , 2016, 94, .	2.5	61
12	Collective atomic scattering and motional effects in a dense coherent medium. <i>Nature Communications</i> , 2016, 7, 11039.	12.8	145
13	Emergent Weyl excitations in systems of polar particles. <i>Nature Communications</i> , 2016, 7, 13543.	12.8	24
14	Synchronization of interacting quantum dipoles. <i>New Journal of Physics</i> , 2015, 17, 083063.	2.9	80
15	Suppressing the Loss of Ultracold Molecules Via the Continuous Quantum Zeno Effect. <i>Physical Review Letters</i> , 2014, 112, 070404.	7.8	117
16	Evaporative cooling of reactive polar molecules confined in a two-dimensional geometry. <i>Physical Review A</i> , 2013, 88, .	2.5	17