

# Jiang Min Zhang

## List of Publications by Year in descending order

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27  
papers

605  
citations

623734

14  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact diagonalization: the Bose-Hubbard model as an example. <i>European Journal of Physics</i> , 2010, 31, 591-602.	0.6	99
2	Controlling phase separation of a two-component Bose-Einstein condensate by confinement. <i>Physical Review A</i> , 2012, 85, .	2.5	67
3	Nonlinear dynamics of a cigar-shaped Bose-Einstein condensate in an optical cavity. <i>Physical Review A</i> , 2009, 79, .	2.5	66
4	Bound States in the Continuum Realized in the One-Dimensional Two-Particle Hubbard Model with an Impurity. <i>Physical Review Letters</i> , 2012, 109, 116405.	7.8	62
5	Cavity QED with cold atoms trapped in a double-well potential. <i>Physical Review A</i> , 2008, 77, .	2.5	52
6	Mean-field dynamics of a Bose Josephson junction in an optical cavity. <i>Physical Review A</i> , 2008, 78, .	2.5	44
7	Bound states in the one-dimensional two-particle Hubbard model with an impurity. <i>Physical Review A</i> , 2013, 87, .	2.5	26
8	Fermi's golden rule: its derivation and breakdown by an ideal model. <i>European Journal of Physics</i> , 2016, 37, 065406.	0.6	25
9	Light-scattering detection of quantum phases of ultracold atoms in optical lattices. <i>Physical Review A</i> , 2011, 83, .	2.5	22
10	Magnetic-field-induced nontrivial electronic state in the Kondo-lattice semimetal CeSb. <i>Physical Review B</i> , 2020, 101, .	3.2	18
11	Sudden jumps and plateaus in the quench dynamics of a Bloch state. <i>Europhysics Letters</i> , 2016, 116, 10008.	2.0	17
12	Cusps in the quench dynamics of a Bloch state. <i>Europhysics Letters</i> , 2016, 114, 60001.	2.0	17
13	Directed coherent transport due to the Bloch oscillation in two dimensions. <i>Physical Review A</i> , 2010, 82, .	2.5	15
14	Quantum quench dynamics of the Bose-Hubbard model at finite temperatures. <i>Physical Review A</i> , 2011, 83, .	2.5	15
15	Optimal multiconfiguration approximation of an $N$ -fermion wave function. <i>Physical Review A</i> , 2014, 89, .	2.5	14
16	Probing the quantum ground state of a spin-1 Bose-Einstein condensate with cavity transmission spectra. <i>Physical Review A</i> , 2009, 80, .	2.5	11
17	Strong thermalization of the two-component Bose-Hubbard model at finite temperatures. <i>Physical Review A</i> , 2012, 85, .	2.5	10
18	Dynamical predictive power of the generalized Gibbs ensemble revealed in a second quench. <i>Physical Review E</i> , 2012, 85, 041138.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Optimal Slater-determinant approximation of fermionic wave functions. Physical Review A, 2016, 94, .	2.5	7
20	Dynamical Friedel oscillations of a Fermi sea. Physical Review B, 2018, 97, .	3.2	4
21	Effect of the post-As+Implantation thermal treatment on MBE HgCdTe optical properties. Journal of Electronic Materials, 1996, 25, 761-764.	2.2	3
22	Integrability and weak diffraction in a two-particle Bose-Hubbard model. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 465303.	2.1	3
23	On an exactly solvable toy model and its dynamics. European Journal of Physics, 2019, 40, 035401.	0.6	1
24	Geometric entanglement in the Laughlin wave function. New Journal of Physics, 2017, 19, 083019.	2.9	0
25	Inferring the smoothness of the autocorrelation function from that of the initial state. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 465305.	2.1	0
26	Nonsmooth and level-resolved dynamics illustrated with a periodically driven tight-binding model. ScienceOpen Research, 2014, .	0.6	0
27	An exactly solvable toy model. European Journal of Physics, 2020, 42, 025401.	0.6	0