

Shintaro Taie

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,676
citations

687363

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1058476

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15
all docs

15
docs citations

15
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal thermodynamics of an $SU(2)$ Fermi-Hubbard model. Physical Review A, 2021, 104, .	2.5	21
2	Spatial adiabatic passage of massive quantum particles in an optical Lieb lattice. Nature Communications, 2020, 11, 257.	12.8	16
3	Antiferromagnetic Spin Correlation of $SU(2)$ Fermi Gas in an Optical Superlattice. Physical Review Letters, 2018, 121, 225303.	7.8	74
4	Interaction-Driven Shift and Distortion of a Flat Band in an Optical Lieb Lattice. Physical Review Letters, 2017, 118, 175301.	7.8	62
5	Feshbach-Resonance-Enhanced Coherent Atom-Molecule Conversion with Ultranarrow Photoassociation Resonance. Physical Review Letters, 2016, 116, 043202.	7.8	30
6	Topological Thouless pumping of ultracold fermions. Nature Physics, 2016, 12, 296-300.	16.7	432
7	Coherent driving and freezing of bosonic matter wave in an optical Lieb lattice. Science Advances, 2015, 1, e1500854.	10.3	256
8	QUANTUM SIMULATION USING ULTRACOLD ATOMS IN OPTICAL LATTICES. , 2012, , .		0
9	An $SU(6)$ Mott insulator of an atomic Fermi gas realized by large-spin Pomeranchuk cooling. Nature Physics, 2012, 8, 825-830.	16.7	278
10	Interaction and filling-induced quantum phases of dual Mott insulators of bosons and fermions. Nature Physics, 2011, 7, 642-648.	16.7	105
11	Photoassociative production of ultracold heteronuclear ytterbium molecules. Physical Review A, 2011, 84, .	2.5	14
12	Bose-Einstein condensate in gases of rare atomic species. Physical Review A, 2011, 84, .	2.5	69
13	Realization of a $SU(2)$ Mott insulator of bosons and fermions. Physical Review A, 2011, 84, .	7.8	249
14	Let Mott insulator of ultracold alkaline-earth-metal-like atoms. Physical Review A, 2009, 79, .	2.5	69