

Seiji Sugawa

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,854
citations

516710

16
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Wilson loop and Wilczek-Zee phase from a non-Abelian gauge field. Npj Quantum Information, 2021, 7, .	6.7	10
2	Tools for quantum simulation with ultracold atoms in optical lattices. Nature Reviews Physics, 2020, 2, 411-425.	26.6	200
3	Spatial Coherence of Spin-Orbit-Coupled Bose Gases. Physical Review Letters, 2020, 124, 053605.	7.8	40
4	Equations of state from individual one-dimensional Bose gases. New Journal of Physics, 2018, 20, 113032.	2.9	10
5	Second Chern number of a quantum-simulated non-Abelian Yang monopole. Science, 2018, 360, 1429-1434.	12.6	96
6	Laser spectroscopic probing of coexisting superfluid and insulating states of an atomic Bose-Hubbard system. Nature Communications, 2016, 7, 11341.	12.8	19
7	Geometrical Pumping with a Bose-Einstein Condensate. Physical Review Letters, 2016, 116, 200402.	7.8	75
8	Direct observation of zitterbewegung in a Bose-Einstein condensate. New Journal of Physics, 2013, 15, 073011.	2.9	143
9	Strongly interacting array of Bose-Einstein condensates trapped in a one-dimensional optical lattice. Physical Review A, 2013, 87, .	2.5	5
10	Observation of a $\langle \mathbf{p} \rangle$ -wave optical Feshbach resonance. Physical Review A, 2013, 87, .	2.5	27
11	Control of Resonant Interaction between Electronic Ground and Excited States. Physical Review Letters, 2013, 110, 173201.	7.8	39
12	QUANTUM SIMULATION USING ULTRACOLD ATOMS IN OPTICAL LATTICES. , 2012, , .		0
13	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
14	Interaction and filling-induced quantum phases of dual Mott insulators of bosons and fermions. Nature Physics, 2011, 7, 642-648.	16.7	105
15	Photoassociative production of ultracold heteronuclear ytterbium molecules. Physical Review A, 2011, 84, .	2.5	14
16	Bose-Einstein condensate in gases of rare atomic species. Physical Review A, 2011, 84, .	2.5	69
17	Quantum Simulation Using Ultracold Two-electron Atoms in an Optical Lattice. Journal of the Korean Physical Society, 2011, 59, 2936-2940.	0.7	1
18	ULTRACOLD YTTERBIUM ATOMS IN OPTICAL LATTICES. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
19	Submicron Spatial Modulation of an Interatomic Interaction in a Bose-Einstein Condensate. Physical Review Letters, 2010, 105, 050405. Realization of a $\sqrt{SU(2)}$ quantum magnet. Physical Review Letters, 2010, 105, 050405.	7.8	173
20	Let Mott insulator of ultracold alkaline-earth-metal-like atoms. Physical Review A, 2009, 79, .	7.8	249
21	All-optical formation of quantum degenerate mixtures. Physical Review A, 2009, 79, .	2.5	107
22	Bose-Einstein condensation of an ytterbium isotope. Physical Review A, 2007, 76, .	2.5	108
23	Quantum Degenerate Fermi Gases of Ytterbium Atoms. Journal of Low Temperature Physics, 2007, 148, 441-445.	1.4	14
24	Thermally activated carrier transfer among CdTe/ZnTe self-organized quantum dots. Applied Physics Letters, 2006, 89, 112125.	3.3	3
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