

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	An SU(6) Mott insulator of an atomic Fermi gas realized by large-spin Pomeranchuk cooling. Nature Physics, 2012, 8, 825-830. Realization of a $SU(6)$ Mott insulator of an atomic Fermi gas realized by large-spin Pomeranchuk cooling. Nature Physics, 2012, 8, 825-830.	16.7	278
2	Tools for quantum simulation with ultracold atoms in optical lattices. Nature Reviews Physics, 2020, 2, 411-425.	7.8	249
3	Submicron Spatial Modulation of an Interatomic Interaction in a Bose-Einstein Condensate. Physical Review Letters, 2010, 105, 050405.	7.8	173
4	Direct observation of zitterbewegung in a Bose-Einstein condensate. New Journal of Physics, 2013, 15, 073011.	2.9	143
5	Bose-Einstein condensation of an ytterbium isotope. Physical Review A, 2007, 76, .	2.5	108
6	All-optical formation of quantum degenerate mixtures. Physical Review A, 2009, 79, .	2.5	107
7	Interaction and filling-induced quantum phases of dual Mott insulators of bosons and fermions. Nature Physics, 2011, 7, 642-648.	16.7	105
8	Second Chern number of a quantum-simulated non-Abelian Yang monopole. Science, 2018, 360, 1429-1434.	12.6	96
9	Geometrical Pumping with a Bose-Einstein Condensate. Physical Review Letters, 2016, 116, 200402.	7.8	75
10	Mott insulator of ultracold alkaline-earth-metal-like atoms. Physical Review A, 2009, 79, .	2.5	69
11	Bose-Einstein condensate in gases of rare atomic species. Physical Review A, 2011, 84, .	2.5	69
12	Spatial Coherence of Spin-Orbit-Coupled Bose Gases. Physical Review Letters, 2020, 124, 053605.	7.8	40
13	Control of Resonant Interaction between Electronic Ground and Excited States. Physical Review Letters, 2013, 110, 173201.	7.8	39
14	Observation of a p -wave optical Feshbach resonance. Physical Review A, 2013, 87, .	2.5	27
15	Laser spectroscopic probing of coexisting superfluid and insulating states of an atomic Bose-Hubbard system. Nature Communications, 2016, 7, 11341.	12.8	19
16	Quantum Degenerate Fermi Gases of Ytterbium Atoms. Journal of Low Temperature Physics, 2007, 148, 441-445.	1.4	14
17	Photoassociative production of ultracold heteronuclear ytterbium molecules. Physical Review A, 2011, 84, .	2.5	14

#	ARTICLE	IF	CITATIONS
19	Equations of state from individual one-dimensional Bose gases. <i>New Journal of Physics</i> , 2018, 20, 113032.	2.9	10
20	Wilson loop and Wilczek-Zee phase from a non-Abelian gauge field. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	10
21	Strongly interacting array of Bose-Einstein condensates trapped in a one-dimensional optical lattice. <i>Physical Review A</i> , 2013, 87, .	2.5	5
22	Thermally activated carrier transfer among CdTe $\hat{\wedge}$ ZnTe self-organized quantum dots. <i>Applied Physics Letters</i> , 2006, 89, 112125.	3.3	3
23	Quantum Simulation Using Ultracold Two-electron Atoms in an Optical Lattice. <i>Journal of the Korean Physical Society</i> , 2011, 59, 2936-2940.	0.7	1
24	ULTRACOLD YTTERBIUM ATOMS IN OPTICAL LATTICES. , 2010, , .		0
25	QUANTUM SIMULATION USING ULTRACOLD ATOMS IN OPTICAL LATTICES. , 2012, , .		0