

Henning Moritz

List of Publications by Year in descending order

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33
papers

5,031
citations

279798

23
h-index

414414

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all docs

33
docs citations

33
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Excitation Spectrum and Superfluid Gap of an Ultracold Fermi Gas. <i>Physical Review Letters</i> , 2022, 128, 100401.	7.8	26
2	Single-atom counting in a two-color magneto-optical trap. <i>Physical Review A</i> , 2021, 103, .	2.5	2
3	Observation of superfluidity in a strongly correlated two-dimensional Fermi gas. <i>Science</i> , 2021, 372, 844-846.	12.6	29
4	Sound Propagation and Quantum-Limited Damping in a Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2020, 124, 240403.	7.8	33
5	An ideal Josephson junction in an ultracold two-dimensional Fermi gas. <i>Science</i> , 2020, 369, 89-91.	12.6	44
6	Two-Dimensional Homogeneous Fermi Gases. <i>Physical Review Letters</i> , 2018, 120, 060402.	7.8	107
7	Note: Suppression of kHz-frequency switching noise in digital micro-mirror devices. <i>Review of Scientific Instruments</i> , 2017, 88, 016103.	1.3	14
8	Detecting Friedel oscillations in ultracold Fermi gases. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	6
9	Calibrating high intensity absorption imaging of ultracold atoms. <i>Optics Express</i> , 2017, 25, 8670.	3.4	23
10	Sudden and Slow Quenches into the Antiferromagnetic Phase of Ultracold Fermions. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2016, 71, 1143-1150.	1.5	1
11	Probing superfluidity of Bose-Einstein condensates via laser stirring. <i>Physical Review A</i> , 2016, 93, .	2.5	34
12	Critical Velocity in the BEC-BCS Crossover. <i>Physical Review Letters</i> , 2015, 114, 095301.	7.8	75
13	Interferometric measurement of local spin fluctuations in a quantum gas. <i>Nature Physics</i> , 2012, 8, 454-458.	16.7	37
14	High-resolution imaging of ultracold fermions in microscopically tailored optical potentials. <i>New Journal of Physics</i> , 2011, 13, 043007.	2.9	77
15	SYNTHETIC QUANTUM MANY-BODY SYSTEMS. , 2010, , .		0
16	Atomic superfluids see the light. <i>Nature Physics</i> , 2010, 6, 10-11.	16.7	2
17	Local Observation of Antibunching in a Trapped Fermi Gas. <i>Physical Review Letters</i> , 2010, 105, 040401.	7.8	84
18	Lifetime of double occupancies in the Fermi-Hubbard model. <i>Physical Review B</i> , 2010, 82, .	3.2	95

#	ARTICLE	IF	CITATIONS
19	Observation of Elastic Doublon Decay in the Fermi-Hubbard Model. <i>Physical Review Letters</i> , 2010, 104, 080401.	7.8	215
20	Quantitative Determination of Temperature in the Approach to Magnetic Order of Ultracold Fermions in an Optical Lattice. <i>Physical Review Letters</i> , 2010, 104, 180401.	7.8	136
21	A new phase for ytterbium atoms. <i>Physics Magazine</i> , 2009, 2, .	0.1	2
22	A Mott insulator of fermionic atoms in an optical lattice. <i>Nature</i> , 2008, 455, 204-207.	27.8	830
23	Detecting multiatomic composite states in optical lattices. <i>Physical Review A</i> , 2007, 75, .	2.5	9
24	Interaction-Controlled Transport of an Ultracold Fermi Gas. <i>Physical Review Letters</i> , 2007, 99, 220601.	7.8	102
25	Strongly interacting atoms and molecules in a 3D optical lattice. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S47-S56.	1.5	13
26	Bose-Fermi Mixtures in a Three-Dimensional Optical Lattice. <i>Physical Review Letters</i> , 2006, 96, 180402.	7.8	263
27	Molecules of Fermionic Atoms in an Optical Lattice. <i>Physical Review Letters</i> , 2006, 96, 030401.	7.8	231
28	p-Wave Interactions in Low-Dimensional Fermionic Gases. <i>Physical Review Letters</i> , 2005, 95, 230401.	7.8	190
29	Fermionic Atoms in a Three Dimensional Optical Lattice: Observing Fermi Surfaces, Dynamics, and Interactions. <i>Physical Review Letters</i> , 2005, 94, 080403.	7.8	564
30	Confinement Induced Molecules in a 1D Fermi Gas. <i>Physical Review Letters</i> , 2005, 94, 210401.	7.8	333
31	Excitations of a Superfluid in a Three-Dimensional Optical Lattice. <i>Physical Review Letters</i> , 2004, 93, 240402.	7.8	111
32	Transition from a Strongly Interacting 1D Superfluid to a Mott Insulator. <i>Physical Review Letters</i> , 2004, 92, 130403.	7.8	898
33	Exciting Collective Oscillations in a Trapped 1D Gas. <i>Physical Review Letters</i> , 2003, 91, 250402.	7.8	445