

Thomas Lompe

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,632
citations

430874

18
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1709
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic Preparation of a Tunable Few-Fermion System. <i>Science</i> , 2011, 332, 336-338.	12.6	417
2	Quantum-Gas Microscope for Fermionic Atoms. <i>Physical Review Letters</i> , 2015, 114, 193001.	7.8	285
3	Collisional Stability of a Three-Component Degenerate Fermi Gas. <i>Physical Review Letters</i> , 2008, 101, 203202.	7.8	282
4	From Few to Many: Observing the Formation of a Fermi Sea One Atom at a Time. <i>Science</i> , 2013, 342, 457-460.	12.6	262
5	Two Fermions in a Double Well: Exploring a Fundamental Building Block of the Hubbard Model. <i>Physical Review Letters</i> , 2015, 114, 080402.	7.8	205
6	Precise Characterization of ${}^6\text{Li}$ Feshbach Resonances Using Trap-Sideband-Resolved RF Spectroscopy of Weakly Bound Molecules. <i>Physical Review Letters</i> , 2013, 110, 135301.	7.8	183
7	Radio-Frequency Association of Efimov Trimers. <i>Science</i> , 2010, 330, 940-944.	12.6	148
8	Pairing in Few-Fermion Systems with Attractive Interactions. <i>Physical Review Letters</i> , 2013, 111, 175302.	7.8	146
9	Antiferromagnetic Heisenberg Spin Chain of a Few Cold Atoms in a One-Dimensional Trap. <i>Physical Review Letters</i> , 2015, 115, 215301.	7.8	145
10	Observation of Pair Condensation in the Quasi-2D BEC-BCS Crossover. <i>Physical Review Letters</i> , 2015, 114, 230401.	7.8	137
11	Two-Dimensional Homogeneous Fermi Gases. <i>Physical Review Letters</i> , 2018, 120, 060402.	7.8	107
12	Atom-Dimer Scattering in a Three-Component Fermi Gas. <i>Physical Review Letters</i> , 2010, 105, 103201.	7.8	84
13	Coherent Molecule Formation in Anharmonic Potentials Near Confinement-Induced Resonances. <i>Physical Review Letters</i> , 2013, 110, 203202.	7.8	56
14	An ideal Josephson junction in an ultracold two-dimensional Fermi gas. <i>Science</i> , 2020, 369, 89-91.	12.6	44
15	Sound Propagation and Quantum-Limited Damping in a Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2020, 124, 240403.	7.8	33
16	Observation of superfluidity in a strongly correlated two-dimensional Fermi gas. <i>Science</i> , 2021, 372, 844-846.	12.6	29
17	Excitation Spectrum and Superfluid Gap of an Ultracold Fermi Gas. <i>Physical Review Letters</i> , 2022, 128, 100401.	7.8	26
18	Calibrating high intensity absorption imaging of ultracold atoms. <i>Optics Express</i> , 2017, 25, 8670.	3.4	23

#	ARTICLE	IF	CITATIONS
19	Note: Suppression of kHz-frequency switching noise in digital micro-mirror devices. Review of Scientific Instruments, 2017, 88, 016103.	1.3	14
20	Detecting Friedel oscillations in ultracold Fermi gases. European Physical Journal D, 2017, 71, 1.	1.3	6