

# 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	Excitation Spectrum and Superfluid Gap of an Ultracold Fermi Gas. <i>Physical Review Letters</i> , 2022, 128, 100401.	7.8	26
2	Observation of superfluidity in a strongly correlated two-dimensional Fermi gas. <i>Science</i> , 2021, 372, 844-846.	12.6	29
3	Sound Propagation and Quantum-Limited Damping in a Two-Dimensional Fermi Gas. <i>Physical Review Letters</i> , 2020, 124, 240403.	7.8	33
4	An ideal Josephson junction in an ultracold two-dimensional Fermi gas. <i>Science</i> , 2020, 369, 89-91.	12.6	44
5	Two-Dimensional Homogeneous Fermi Gases. <i>Physical Review Letters</i> , 2018, 120, 060402.	7.8	107
6	Note: Suppression of kHz-frequency switching noise in digital micro-mirror devices. <i>Review of Scientific Instruments</i> , 2017, 88, 016103.	1.3	14
7	Detecting Friedel oscillations in ultracold Fermi gases. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	6
8	Calibrating high intensity absorption imaging of ultracold atoms. <i>Optics Express</i> , 2017, 25, 8670.	3.4	23
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	Quantum-Gas Microscope for Fermionic Atoms. <i>Physical Review Letters</i> , 2015, 114, 193001.	7.8	285
11	Observation of Pair Condensation in the Quasi-2D BEC-BCS Crossover. <i>Physical Review Letters</i> , 2015, 114, 230401.	7.8	137
12	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
13	Pairing in Few-Fermion Systems with Attractive Interactions. <i>Physical Review Letters</i> , 2013, 111, 175302.	7.8	146
14	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
15	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
16	Coherent Molecule Formation in Anharmonic Potentials Near Confinement-Induced Resonances. <i>Physical Review Letters</i> , 2013, 110, 203202.	7.8	56
17	Deterministic Preparation of a Tunable Few-Fermion System. <i>Science</i> , 2011, 332, 336-338.	12.6	417
18	Radio-Frequency Association of Efimov Trimers. <i>Science</i> , 2010, 330, 940-944.	12.6	148

#	ARTICLE	IF	CITATIONS
19	Atom-Dimer Scattering in a Three-Component Fermi Gas. Physical Review Letters, 2010, 105, 103201.	7.8	84
20	Collisional Stability of a Three-Component Degenerate Fermi Gas. Physical Review Letters, 2008, 101, 203202.	7.8	282