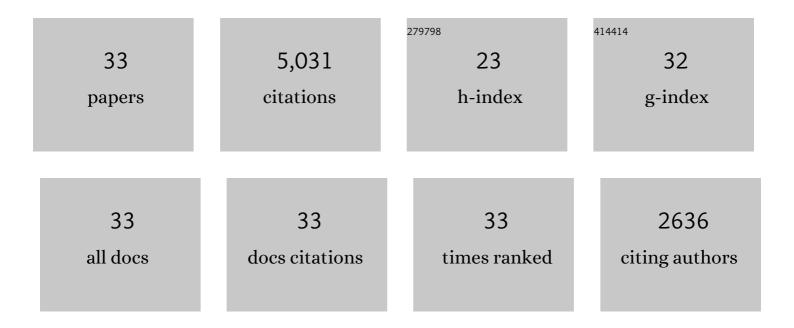
## Henning Moritz

List of Publications by Year in descending order

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

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