Sebastian A Will

List of Publications by Year
in descending order

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28 papers	2,857 citations	471509 17 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	2148 citing authors

#	Article	IF	Citations
1	Metallic and Insulating Phases of Repulsively Interacting Fermions in a 3D Optical Lattice. Science, 2008, 322, 1520-1525.	12.6	620
2	Ultracold Dipolar Gas of Fermionic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Na</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>23</mml:mn></mml:mrow></mml:mmultiscripts><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>40</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>Molecules	7.8	407
3	Fermionic transport and out-of-equilibrium dynamics in a homogeneous Hubbard modelÂwithÂultracold atoms. Nature Physics, 2012, 8, 213-218.	16.7	336
4	Long Phase Coherence Time and Number Squeezing of Two Bose-Einstein Condensates on an Atom Chip. Physical Review Letters, 2007, 98, 030407.	7.8	275
5	Time-resolved observation of coherent multi-body interactions in quantum phase revivals. Nature, 2010, 465, 197-201.	27.8	251
6	Ultracold Fermionic Feshbach Molecules of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Na</mml:mi><mml:mprescripts /><mml:none /><mml:mn>23</mml:mn></mml:mmultiscripts><mml:mmultiscripts><mml:mi mathvariant="bold">K</mml:mi><mml:mprescripts /><mml:none /><mml:mn>40</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2013, 109, 085301.	7.8	186
7	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>87</mml:mn></mml:mmultiscripts><mml:mtext mathvariant="normal">â^’</mml:mtext><mml:mmultiscripts><mml:mi mathvariant="bold">K</mml:mi><mml:mprescripts /><mml:none /><mml:mn>40</mml:mn></mml:mmultiscripts></mml:math>Bose-Fermi Mixtures in a 3D Optical Lattice.	7.8	138
8	Quantum degenerate Bose-Fermi mixture of chemically different atomic species with widely tunable interactions. Physical Review A, 2012, 85, .	2.5	100
9	Second-scale nuclear spin coherence time of ultracold ²³ Na ⁴⁰ K molecules. Science, 2017, 357, 372-375.	12.6	94
10	Anomalous Expansion of Attractively Interacting Fermionic Atoms in an Optical Lattice. Science, 2010, 327, 1621-1624.	12.6	83
11	Coherent Interaction of a Single Fermion with a Small Bosonic Field. Physical Review Letters, 2011, 106, 115305.	7.8	73
12	Trapping of ultracold atoms in a hollow-core photonic crystal fiber. Physical Review A, 2008, 78, .	2.5	72
13	Coherent Microwave Control of Ultracold<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Na</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>23</mml:mn></mml:mrow></mml:mmultiscripts><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn	7.8	64
14	Two-photon pathway to ultracold ground state molecules of²³Na⁴⁰K. New Journal of Physics, 2015, 17, 075016.	2.9	38
15	Observation of coherent quench dynamics in a metallic many-body state of fermionic atoms. Nature Communications, 2015, 6, 6009.	12.8	30
16	Resonant Dipolar Collisions of Ultracold Molecules Induced by Microwave Dressing. Physical Review Letters, 2020, 125, 063401.	7.8	28
17	Creating exotic condensates via quantum-phase-revival dynamics in engineered lattice potentials. Physical Review A, 2011, 84, .	2.5	18
18	Overlapping Bose-Einstein condensates of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Na</mml:mi><mml:mprescripts /><mml:none /><mml:mn>23</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cs</mml:mi><mml:mprescripts /><mml:none /><mml:mn>133</mml:mn></mml:mmultiscripts></mml:math>. Physical Review A, 2021, 104, .	2.5	17

#	Article	IF	Citations
19	High phase-space density gas of NaCs Feshbach molecules. Physical Review Research, 2022, 4, .	3.6	13
20	Coherent quench dynamics in the one-dimensional Fermi-Hubbard model. Physical Review A, 2014, 90, .	2.5	12
21	Interacting Mixtures of Bosons and Fermions in Optical Lattice Potentials. Springer Theses, 2013, , 193-207.	0.1	1
22	Laser cooling scheme for the carbon dimer (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 637 Td (xmlns:mml="http://www.w3.org/	2.5	1
23	STRONGLY CORRELATED BOSONS AND FERMIONS IN OPTICAL LATTICES. , 2010, , .		0
24	Hubbard Models for Bosons and Fermions. Springer Theses, 2013, , 59-82.	0.1	0
25	Quantum Revival Spectroscopy and Multi-Body Interactions. Springer Theses, 2013, , 151-192.	0.1	0
26	Towards Strongly Interacting Bosons and Fermions. Springer Theses, 2013, , 13-58.	0.1	0
27	Experimental Apparatus. Springer Theses, 2013, , 99-120.	0.1	0
28	Interacting Fermions in Optical Lattice Potentials. Springer Theses, 2013, , 121-150.	0.1	0