Walter Hofstetter

List of Publications by Year
in descending order

32 papers	817 citations	623734 14 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	678 citing authors

#	ARTICLE	IF	CITATIONS
1	Ultracold Fermions and theSU(N)Hubbard Model. Physical Review Letters, 2004, 92, 170403.	7.8	239
2	Time-Reversal-Invariant Hofstadter-Hubbard Model with Ultracold Fermions. Physical Review Letters, 2012, 109, 205303.	7.8	74
3	Quantum simulation of strongly correlated condensed matter systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 082001.	1.5	67
4	Lattice-supersolid phase of strongly correlated bosons in an optical cavity. Physical Review A, 2013, 87, .	2.5	65
5	Insulating behavior with spin and charge order in the ionic Hubbard model. Physical Review B, 2009, 79, .	3.2	37
6	Dissipation through localized loss in bosonic systems with long-range interactions. Physical Review A, 2014, 89, .	2.5	35
7	Correlated topological phases and exotic magnetism with ultracold fermions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 134004.	1.5	27
8	Supersolidity of lattice bosons immersed in strongly correlated Rydberg dressed atoms. Physical Review A, 2018, 97, .	2.5	27
9	Interaction-induced topological and magnetic phases in the Hofstadter-Hubbard model. Physical Review B, 2016, 94, .	3.2	26
10	Interacting Hofstadter Interface. Physical Review Letters, 2019, 122, 010406.	7.8	22
11	Lattice-ramp-induced dynamics in an interacting Bose-Bose mixture. Physical Review A, 2010, 81, .	2.5	21
12	Magnetic ordering of three-component ultracold fermionic mixtures in optical lattices. Physical Review A, 2014, 89, .	2.5	20
13	Topological invariant for two-dimensional open systems. Physical Review B, 2018, 97, .	3.2	16
14	Bose-Bose mixtures with synthetic spin-orbit coupling in optical lattices. Physical Review A, 2015, 92, .	2.5	14
15	Artificial SU(3) spin-orbit coupling and exotic Mott insulators. Physical Review B, 2018, 98, .	3.2	14
16	Interaction-driven topological phase transitions in fermionic SU(3) systems. Physical Review B, 2020, 101, .	3.2	12
17	Condensation versus long-range interaction: Competing quantum phases in bosonic optical lattice systems at near-resonant Rydberg dressing. Physical Review A, 2017, 95, .	2.5	11
18	Interaction-enhanced integer quantum Hall effect in disordered systems. Physical Review B, 2019, 99, .	3.2	11

#	Article	IF	Citations
19	Microscopic characteristics and tomography scheme of the local Chern marker. Physical Review A, 2019, 100, .	2.5	10
20	Competing charge and magnetic order in fermionic multicomponent systems. Physical Review B, 2019, 100, .	3.2	9
21	Measuring an interaction-induced topological phase transition via the single-particle density matrix. Physical Review A, 2020, 101, .	2.5	9
22	Spin-imbalance-induced transverse magnetization in the Hofstadter-Hubbard model. Physical Review A, 2019, 99, .	2.5	8
23	Topological Mott transition in a Weyl-Hubbard model: Dynamical mean-field theory study. Physical Review B, 2021, 103, .	3.2	6
24	Density-wave steady-state phase of dissipative ultracold fermions with nearest-neighbor interactions. Physical Review B, 2019, 99, .	3.2	5
25	Lattice symmetry and emergence of antiferromagnetic quantum Hall states. Physical Review B, 2021, 103, .	3.2	5
26	Spin-orbit coupling in the kagome lattice with flux and time-reversal symmetry. Physical Review B, 2021, 103, .	3.2	5
27	Z2 characterization for three-dimensional multiband Hubbard models. Physical Review Research, 2020, 2, .	3.6	5
28	Supersolid phases of Rydberg-excited bosons on a triangular lattice. Physical Review A, 2019, 99, .	2.5	4
29	Bulk topological proximity effect in multilayer systems. Physical Review B, 2020, 102, .	3.2	4
30	Supersolid phases of ultracold bosons trapped in optical lattices dressed with Rydberg p states. Physical Review A, 2022, 105, .	2.5	4
31	Extended Bose-Hubbard models with Rydberg macrodimer dressing. Physical Review A, 2021, 104, .	2.5	3
32	Hubbard model on the kagome lattice with time-reversal invariant flux and spin-orbit coupling. Physical Review B, 2022, 105, .	3.2	2