Nils BlÃ¼mer

List of Publications by Year
in descending order

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31 papers	1,082 citations	471509 17 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	817 citing authors

#	Article	IF	Citations
1	Realistic investigations of correlated electron systems with LDA + DMFT. Physica Status Solidi (B): Basic Research, 2006, 243, 2599-2631.	1.5	174
2	Fate of the false Mott-Hubbard transition in two dimensions. Physical Review B, 2015, 91, .	3.2	129
3	Microscopic conditions favoring itinerant ferromagnetism. Physical Review B, 1998, 58, 12749-12757.	3.2	100
4	REALISTIC MODELING OF STRONGLY CORRELATED ELECTRON SYSTEMS: AN INTRODUCTION TO THE LDA+DMFT APPROACH. International Journal of Modern Physics B, 2001, 15, 2611-2625.	2.0	81
5	Orbital-selective Mott transitions in the anisotropic two-band Hubbard model at finite temperatures. Physical Review B, 2005, 72, .	3.2	66
6	Calculation of photoemission spectra of the doped Mott insulator using LDA+DMFT(QMC). European Physical Journal B, 2000, 18, 55-61.	1.5	63
7	NÃ©el Transition of Lattice Fermions in a Harmonic Trap: A Real-Space Dynamic Mean-Field Study. Physical Review Letters, 2010, 105, 065301.	7.8	54
8	Absence of Hysteresis at the Mott-Hubbard Metal-Insulator Transition in Infinite Dimensions. Physical Review Letters, 1999, 82, 4890-4893.	7.8	49
9	Mott transitions in ternary flavor mixtures of ultracold fermions on optical lattices. Physical Review A, 2009, 80, .	2.5	40
10	Correlated-electron theory of strongly anisotropic metamagnets. Physical Review B, 1997, 56, 14469-14480.	3.2	34
11	Momentum-dependent pseudogaps in the half-filled two-dimensional Hubbard model. Physical Review B, 2012, 86, .	3.2	33
12	Universal probes for antiferromagnetic correlations and entropy in cold fermions on optical lattices. Physical Review A, 2012, 85, .	2.5	29
13	Efficiency of quantum Monte Carlo impurity solvers for the dynamical mean-field theory. Physical Review B, 2007, 76, .	3.2	28
14	Orbital-selective Mott transitions in a doped two-band Hubbard model. Physical Review B, 2009, 80, .	3.2	27
15	Orbital-selective Mott transitions in a doped two-band Hubbard model with crystal field splitting. Physical Review B, 2013, 87, .	3.2	22
16	Mott insulator: Tenth-order perturbation theory extended to infinite order using a quantum Monte Carlo scheme. Physical Review B, 2005, 71, .	3.2	19
17	Mott transitions in the half-filled SU(2M) symmetric Hubbard model. Physical Review B, 2013, 87, .	3.2	19
18	Superconductivity of SrTiO $ mathsf {_{3-delta}}$. European Physical Journal B, 2003, 33, 25-30.	1.5	18

#	Article	IF	Citations
19	Momentum structure of the self-energy and its parametrization for the two-dimensional Hubbard model. Physical Review B, 2016, 93, .	3.2	18
20	Green functions for nearest- and next-nearest-neighbor hopping on the Bethe lattice. Annalen Der Physik, 2005, 14, 642-657.	2.4	16
21	Orbital-selective Mott transitions in the 2-bandJz-model: a high-precision quantum Monte Carlo study. Physica Status Solidi (B): Basic Research, 2006, 243, 116-119.	1.5	11
22	Ground state of the frustrated Hubbard model within DMFT: energetics of Mott insulator and metal from ePT and QMC. Physica B: Condensed Matter, 2005, 359-361, 648-650.	2.7	10
23	Quantum Monte Carlo simulations of antiferromagnetism in ultracold fermions on optical lattices within real-space dynamical mean-field theory. Computer Physics Communications, 2011, 182, 115-118.	7.5	9
24	Quasi-continuous-time impurity solver for the dynamical mean-field theory with linear scaling in the inverse temperature. Physical Review E, 2013, 87, 053305.	2.1	9
25	Discriminating antiferromagnetic signatures in systems of ultracold fermions by tunable geometric frustration. Physical Review B, 2013, 88, .	3.2	6
26	Quantum Monte Carlo impurity solvers for multi-orbital problems and frequency-dependent interactions. European Physical Journal: Special Topics, 2017, 226, 2499-2523.	2.6	6
27	Antiferromagnetism of Lattice Fermions in an Optical Trap: the Dynamical Mean-Field Perspective. Journal of Low Temperature Physics, 2011, 165, 195-212.	1.4	5
28	Orbital-selective Mott transitions in two-band Hubbard models. Journal of Magnetism and Magnetic Materials, 2007, 310, 922-924.	2.3	4
29	Magnetic phase diagram of the anisotropic multi-band Hubbard model. Physica Status Solidi (B): Basic Research, 2007, 244, 2331-2337.	1.5	2
30	Deciding the fate of the false Mott transition in two dimensions by exact quantum Monte Carlo methods. Journal of Physics: Conference Series, 2015, 640, 012047.	0.4	1
31	Tunable nanomagnetism in moderately cold fermions on optical lattices. Physical Review A, 2014, 89, .	2.5	0