

Mark Jarrell

List of Publications by Year in descending order

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52
papers

3,439
citations

361413
20
h-index

197818
49
g-index

52
all docs

52
docs citations

52
times ranked

2154
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian inference and the analytic continuation of imaginary-time quantum Monte Carlo data. <i>Physics Reports</i> , 1996, 269, 133-195.	25.6	1,053
2	Quantum cluster theories. <i>Reviews of Modern Physics</i> , 2005, 77, 1027-1080.	45.6	1,047
3	Quantum Monte Carlo simulations and maximum entropy: Dynamics from imaginary-time data. <i>Physical Review B</i> , 1991, 44, 6011-6029.	3.2	313
4	Competition between Electron-Phonon Attraction and Weak Coulomb Repulsion. <i>Physical Review Letters</i> , 1995, 75, 2570-2573.	7.8	62
5	Analytic continuation of quantum Monte Carlo data by stochastic analytical inference. <i>Physical Review E</i> , 2010, 81, 056701.	2.1	61
6	Two-Channel Kondo Lattice: An Incoherent Metal. <i>Physical Review Letters</i> , 1996, 77, 1612-1615.	7.8	54
7	Magnetic Phase Diagram of the Hubbard Model. <i>Physical Review Letters</i> , 1995, 74, 186-189.	7.8	53
8	Phase Diagram of the Two-Channel Kondo Lattice. <i>Physical Review Letters</i> , 1997, 78, 1996-1999.	7.8	53
9	Low-temperature dynamics of the 2D spin-1/2 Heisenberg antiferromagnet: A quantum Monte Carlo study. <i>Physical Review Letters</i> , 1992, 68, 1770-1773.	7.8	48
10	The Anharmonic Electron-Phonon Problem. <i>Physical Review Letters</i> , 1996, 77, 4588-4591.	7.8	45
11	Assessing the similarity of ligand binding conformations with the Contact Mode Score. <i>Computational Biology and Chemistry</i> , 2016, 64, 403-413.	2.3	45
12	First principle electronic, structural, elastic, and optical properties of strontium titanate. <i>AIP Advances</i> , 2012, 2, .	1.3	43
13	Unconventional Superconductivity from Local Spin Fluctuations in the Kondo Lattice. <i>Physical Review Letters</i> , 2013, 110, 146406.	7.8	40
14	Unconventional superconductivity on the triangular lattice Hubbard model. <i>Physical Review B</i> , 2013, 88, .	3.2	40
15	Dynamical approach to analytic continuation of quantum Monte Carlo data. <i>Physical Review Letters</i> , 1989, 63, 2504-2507.	7.8	39
16	Spectral properties of the three-dimensional Hubbard model. <i>Physical Review B</i> , 2011, 83, .	3.2	39
17	Magnetoresistance in the Two-Channel Anderson Lattice. <i>Physical Review Letters</i> , 1997, 78, 2000-2003.	7.8	36
18	Dynamical cluster quantum Monte Carlo study of the single-particle spectra of strongly interacting fermion gases. <i>Physical Review A</i> , 2010, 81, .	2.5	28

#	ARTICLE	IF	CITATIONS
37	First-principles investigation of cubic BaRuO ₃ : A Hund's metal. Physical Review B, 2016, 94, .	3.2	9
38	Quantum critical local spin dynamics near the Mott metal-insulator transition in infinite dimensions. Physical Review B, 2017, 95, .	3.2	9
39	Emergence of non-Fermi liquid dynamics through nonlocal correlations in an interacting disordered system. Physical Review B, 2018, 98, .	3.2	8
40	Nonlocal Effects on Magnetism in the Diluted Magnetic Semiconductor $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle x \langle \text{mml:mi} \rangle$ Physical Review Letters, 2010, 104, 037201.	7.8	7
41	Thermodynamic consistency of the dynamical mean-field theory of the double-exchange model. Physical Review B, 2005, 71, .	3.2	6
42	Complex phases in the doped two-species bosonic Hubbard model. Physical Review B, 2013, 88, .	3.2	6
43	Electronic, transport, optical, and structural properties of rocksalt CdO. Journal of Applied Physics, 2013, 114, 153705.	2.5	5
44	Periodic Anderson model with electron-phonon correlated conduction band. Physical Review B, 2013, 87, .	3.2	5
45	Imaginary-time quantum many-body theory out of equilibrium. II. Analytic continuation of dynamic observables and transport properties. Physical Review B, 2013, 87, .	3.2	3
46	Transport properties of the infinite-dimensional Hubbard model. Physica B: Condensed Matter, 1994, 199-200, 217-218.	2.7	2
47	CLUSTER MONTE CARLO STUDY OF THE QUANTUM XY MODEL IN TWO DIMENSIONS. International Journal of Modern Physics C, 1996, 07, 433-440.	1.7	1
48	CT-QMC and Maximum Entropy Approach to a Scattering-States Formulation of Strongly Correlated Steady-State Transport. Journal of Physics: Conference Series, 2011, 273, 012150.	0.4	1
49	Locally self-consistent embedding approach for disordered electronic systems. Physical Review B, 2019, 100, .	3.2	1
50	Bayesian Inference and the Analytic Continuation of Imaginary-Time Quantum Monte Carlo Data. , 1996, , 163-170.		1
51	Sign Learning Kink-based (SiLK) Quantum Monte Carlo for molecular systems. Journal of Chemical Physics, 2016, 144, 014101.	3.0	0
52	Periodic Anderson model with Holstein phonons for the description of the cerium volume collapse. Physical Review B, 2019, 99, .	3.2	0