

James LeBlanc

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

771
citations

586496

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563245

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31
all docs

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docs citations

31
times ranked

571
citing authors

#	ARTICLE	IF	CITATIONS
1	Single particle properties of the two-dimensional Hubbard model for real frequencies at weak coupling: Breakdown of the Dyson series for partial self-energy expansions. Physical Review B, 2021, 104, .	1.1	8
2	Floquet engineering and nonequilibrium topological maps in twisted trilayer graphene. Physical Review B, 2021, 104, .	1.1	13
3	Algorithmic approach to diagrammatic expansions for real-frequency evaluation of susceptibility functions. Physical Review B, 2020, 102, .	1.1	21
4	Optimal grouping of arbitrary diagrammatic expansions via analytic pole structure. Physical Review B, 2020, 101, .	1.1	21
5	Fluctuation diagnostics of the finite-temperature quasi-antiferromagnetic regime of the two-dimensional Hubbard model. Physical Review B, 2020, 101, .	1.1	7
6	Extended Crossover from a Fermi Liquid to a Quasiantiferromagnet in the Half-Filled 2D Hubbard Model. Physical Review Letters, 2020, 124, 017003.	2.9	54
7	Magnetic susceptibility and simulated neutron signal in the two-dimensional Hubbard model. Physical Review B, 2019, 100, .	1.1	16
8	Algorithmic Matsubara integration for Hubbard-like models. Physical Review B, 2019, 99, .	1.1	30
9	Updated core libraries of the ALPS project. Computer Physics Communications, 2017, 213, 235-251.	3.0	71
10	Implementation of the maximum entropy method for analytic continuation. Computer Physics Communications, 2017, 215, 149-155.	3.0	69
11	Simulation of the NMR response in the pseudogap regime of the cuprates. Nature Communications, 2017, 8, 14986.	5.8	26
12	Parquet decomposition calculations of the electronic self-energy. Physical Review B, 2016, 93, .	1.1	43
13	Superconducting Fluctuations in the Normal State of the Two-Dimensional Hubbard Model. Physical Review Letters, 2015, 115, 116402.	2.9	37
14	Fluctuation Diagnostics of the Electron Self-Energy: Origin of the Pseudogap Physics. Physical Review Letters, 2015, 114, 236402.	2.9	95
15	Unparticle mediated superconductivity. New Journal of Physics, 2015, 17, 033039.	1.2	9
16	Dielectric screening of surface states in a topological insulator. Physical Review B, 2014, 89, .	1.1	6
17	Signatures of a momentum independent pseudogap in the electronic density of states and Raman spectroscopy of the underdoped cuprates. New Journal of Physics, 2014, 16, 113034.	1.2	9
18	Equation of state of the fermionic two-dimensional Hubbard model. Physical Review B, 2013, 88, .	1.1	45

#	ARTICLE	IF	CITATIONS
19	Impact of electron-phonon coupling on near-field optical spectra in graphene. Physical Review B, 2013, 87, .	1.1	7
20	Effect of dynamical screening on single-particle spectral features of uniaxially strained graphene: Tuning the plasmaron ring. Physical Review B, 2013, 87, .	1.1	7
21	Optical self-energy in graphene due to correlations. Journal of Physics Condensed Matter, 2012, 24, 245601.	0.7	10
22	Distinguishing Coulomb and electron-phonon interactions for massless Dirac fermions. Physical Review B, 2012, 85, .	1.1	4
23	Emergence of plasmaronic structure in the near-field optical response of graphene. Physical Review B, 2012, 85, .	1.1	24
24	Electronic Structure in Underdoped Cuprates Due to the Emergence of a Pseudogap. Journal of Superconductivity and Novel Magnetism, 2011, 24, 2053-2063.	0.8	1
25	Effects of a particle-hole asymmetric pseudogap on Bogoliubov quasiparticles. Physical Review B, 2011, 83, .	1.1	11
26	Effect of electron-phonon coupling on energy and density of states renormalizations of dynamically screened graphene. Physical Review B, 2011, 84, .	1.1	22
27	Effect of pseudogap formation on the penetration depth of underdoped high- T_c cuprates. Physical Review B, 2010, 81, .	1.1	35
28	Signatures of Fermi surface reconstruction in Raman spectra of underdoped cuprates. Physical Review B, 2010, 81, .	1.1	36
29	Specific heat of underdoped cuprates: Resonating valence bond description versus Fermi arcs. Physical Review B, 2009, 80, .	1.1	32
30	Signatures of superconducting gap inhomogeneities in optical properties. Physical Review B, 2008, 78, .	1.1	1