

James LeBlanc

List of Publications by Year in descending order

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516710

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31
all docs

31
docs citations

31
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluctuation Diagnostics of the Electron Self-Energy: Origin of the Pseudogap Physics. Physical Review Letters, 2015, 114, 236402.	7.8	95
2	Updated core libraries of the ALPS project. Computer Physics Communications, 2017, 213, 235-251.	7.5	71
3	Implementation of the maximum entropy method for analytic continuation. Computer Physics Communications, 2017, 215, 149-155.	7.5	69
4	Extended Crossover from a Fermi Liquid to a Quasiantiferromagnet in the Half-Filled 2D Hubbard Model. Physical Review Letters, 2020, 124, 017003.	7.8	54
5	Equation of state of the fermionic two-dimensional Hubbard model. Physical Review B, 2013, 88, .	3.2	45
6	Parquet decomposition calculations of the electronic self-energy. Physical Review B, 2016, 93, .	3.2	43
7	Superconducting Fluctuations in the Normal State of the Two-Dimensional Hubbard Model. Physical Review Letters, 2015, 115, 116402.	7.8	37
8	Signatures of Fermi surface reconstruction in Raman spectra of underdoped cuprates. Physical Review B, 2010, 81, .	3.2	36
9	Effect of pseudogap formation on the penetration depth of underdoped high- T_c cuprates. Physical Review B, 2010, 81, .	3.2	35
10	Specific heat of underdoped cuprates: Resonating valence bond description versus Fermi arcs. Physical Review B, 2009, 80, .	3.2	32
11	Algorithmic Matsubara integration for Hubbard-like models. Physical Review B, 2019, 99, .	3.2	30
12	Simulation of the NMR response in the pseudogap regime of the cuprates. Nature Communications, 2017, 8, 14986.	12.8	26
13	Emergence of plasmaronic structure in the near-field optical response of graphene. Physical Review B, 2012, 85, .	3.2	24
14	Effect of electron-phonon coupling on energy and density of states renormalizations of dynamically screened graphene. Physical Review B, 2011, 84, .	3.2	22
15	Algorithmic approach to diagrammatic expansions for real-frequency evaluation of susceptibility functions. Physical Review B, 2020, 102, .	3.2	21
16	Optimal grouping of arbitrary diagrammatic expansions via analytic pole structure. Physical Review B, 2020, 101, .	3.2	21
17	Magnetic susceptibility and simulated neutron signal in the two-dimensional Hubbard model. Physical Review B, 2019, 100, .	3.2	16
18	Floquet engineering and nonequilibrium topological maps in twisted trilayer graphene. Physical Review B, 2021, 104, .	3.2	13

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19	Effects of a particle-hole asymmetric pseudogap on Bogoliubov quasiparticles. <i>Physical Review B</i> , 2011, 83, .	3.2	11
20	Optical self-energy in graphene due to correlations. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 245601.	1.8	10
21	Signatures of a momentum independent pseudogap in the electronic density of states and Raman spectroscopy of the underdoped cuprates. <i>New Journal of Physics</i> , 2014, 16, 113034.	2.9	9
22	Unparticle mediated superconductivity. <i>New Journal of Physics</i> , 2015, 17, 033039.	2.9	9
23	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. <i>Physical Review B</i> , 2021, 104, .	3.2	8
24	Impact of electron-phonon coupling on near-field optical spectra in graphene. <i>Physical Review B</i> , 2013, 87, .	3.2	7
25	Effect of dynamical screening on single-particle spectral features of uniaxially strained graphene: Tuning the plasmaron ring. <i>Physical Review B</i> , 2013, 87, .	3.2	7
26	Fluctuation diagnostics of the finite-temperature quasi-antiferromagnetic regime of the two-dimensional Hubbard model. <i>Physical Review B</i> , 2020, 101, .	3.2	7
27	Dielectric screening of surface states in a topological insulator. <i>Physical Review B</i> , 2014, 89, .	3.2	6
28	Distinguishing Coulomb and electron-phonon interactions for massless Dirac fermions. <i>Physical Review B</i> , 2012, 85, .	3.2	4
29	Signatures of superconducting gap inhomogeneities in optical properties. <i>Physical Review B</i> , 2008, 78, .	3.2	1
30	Electronic Structure in Underdoped Cuprates Due to the Emergence of a Pseudogap. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 2053-2063.	1.8	1