

Ting-Kuo Lee

List of Publications by Year in descending order

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57
papers

1,560
citations

430874

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302126

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58
all docs

58
docs citations

58
times ranked

2312
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale-Invariant Quantum Anomalous Hall Effect in Magnetic Topological Insulators beyond the Two-Dimensional Limit. <i>Physical Review Letters</i> , 2014, 113, 137201.	7.8	453
2	Application of optimization technique to noncrystalline x-ray diffraction microscopy: Guided hybrid input-output method. <i>Physical Review B</i> , 2007, 76, .	3.2	197
3	Experimental evidence for a two-gap structure of superconducting NbSe_2 : A specific heat study in external magnetic fields. <i>Physical Review B</i> , 2007, 76, .	3.2	67
4	Theory for Slightly Doped Antiferromagnetic Mott Insulators. <i>Physical Review Letters</i> , 2003, 90, 067001.	7.8	60
5	Phase retrieval from exactly oversampled diffraction intensity through deconvolution. <i>Physical Review B</i> , 2007, 75, .	3.2	51
6	d-Wave Pairing Correlation in the Two-Dimensional t - J Model. <i>Physical Review Letters</i> , 1998, 81, 1294-1297.	7.8	48
7	Comparative analysis of specific heat of $\text{YNi}_2\text{B}_2\text{C}$ using nodal and two-gap models. <i>Physical Review B</i> , 2006, 73, .	3.2	48
8	Fermi surface evolution in the antiferromagnetic state for the electron-doped t - t' - t'' - J model. <i>Physical Review B</i> , 2004, 69, .	3.2	41
9	Size-Induced Transition from Magnetic Ordering to Kondo Behavior in (Ce,Al) Compounds. <i>Physical Review Letters</i> , 2000, 84, 4990-4993.	7.8	40
10	Low-energy physical properties of high- T_c superconducting Cu oxides: A comparison between the resonating valence bond and experiments. <i>Physical Review B</i> , 2006, 73, .	3.2	37
11	Electron diffractive imaging of nano-objects using a guided method with a dynamic support. <i>Applied Physics Letters</i> , 2009, 95, 111908.	3.3	30
12	Absence of the coexistence of superconductivity and antiferromagnetism in the hole-doped two-dimensional extended t - J model. <i>Physical Review B</i> , 2004, 70, .	3.2	29
13	Orbital polarization, surface enhancement and quantum confinement in nanocluster magnetism. <i>Physical Review B</i> , 2004, 69, .	3.2	28
14	Evolution of Pairing Orders between Pseudogap and Superconducting Phases of Cuprate Superconductors. <i>Scientific Reports</i> , 2019, 9, 1719.	3.3	28
15	Incommensurate charge ordered states in the t - t' - t'' - J model. <i>New Journal of Physics</i> , 2017, 19, 013028.	2.9	26
16	Genesis of charge orders in high temperature superconductors. <i>Scientific Reports</i> , 2016, 6, 18675.	3.3	25
17	Rapid single-wavelength lightsheet localization microscopy for clarified tissue. <i>Nature Communications</i> , 2019, 10, 4762.	12.8	25
18	Spectral weights, d-wave pairing amplitudes, and particle-hole tunneling asymmetry of a strongly correlated superconductor. <i>Physical Review B</i> , 2006, 74, .	3.2	21

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19	Unconventional order parameter induced by helical chiral molecules adsorbed on a metal proximity coupled to a superconductor. <i>Physical Review B</i> , 2018, 98, .	3.2	19
20	Pressure induced superconductivity in MnSe. <i>Nature Communications</i> , 2021, 12, 5436.	12.8	19
21	Method to enhance the resolution of x-ray coherent diffraction imaging for non-crystalline bio-samples. <i>New Journal of Physics</i> , 2014, 16, 033016.	2.9	16
22	Spin dynamics in the antiferromagnetic phase of electron-doped cuprate superconductors. <i>Physical Review B</i> , 2005, 71, .	3.2	15
23	Topological insulator ribbon: Surface states and dynamical response. <i>Physical Review B</i> , 2011, 84, .	3.2	14
24	Anisotropic spin-singlet pairings in $\text{Cu}_x\text{Bi}_2\text{Se}_3$ and Bi_2Te_3 . <i>Physical Review B</i> , 2014, 89, .	3.2	14
25	Electron coherent diffraction tomography of a nanocrystal. <i>Applied Physics Letters</i> , 2010, 96, 221907.	3.3	13
26	Acoustic plasmons and conducting carriers in hole-doped cuprate superconductors. <i>Physical Review B</i> , 2022, 105, .	3.2	12
27	Matrix-product-based projected wave functions ansatz for quantum many-body ground states. <i>Physical Review B</i> , 2012, 86, .	3.2	11
28	Free-electron-laser coherent diffraction images of individual drug-carrying liposome particles in solution. <i>Nanoscale</i> , 2018, 10, 2820-2824.	5.6	11
29	Magnetic polarization induced by nonmagnetic impurities in high- T_c cuprates. <i>Physical Review B</i> , 2002, 65, .	3.2	10
30	Antiferromagnetism and superconductivity of the two-dimensional extended t-J model. <i>Low Temperature Physics</i> , 2005, 31, 757-762.	0.6	10
31	Tomographic image alignment in three-dimensional coherent diffraction microscopy. <i>Physical Review B</i> , 2009, 79, .	3.2	10
32	Differential synchrotron X-ray imaging markers based on the renal microvasculature for tubulointerstitial lesions and glomerulopathy. <i>Scientific Reports</i> , 2017, 7, 3488.	3.3	10
33	Strain-induced superconducting pair density wave states in graphene. <i>Physical Review B</i> , 2018, 98, .	3.2	10
34	Exchange-correlation energy in molecules: A variational quantum Monte Carlo study. <i>Physical Review A</i> , 2006, 74, .	2.5	9
35	Emergence of a Fermionic Finite-Temperature Critical Point in a Kondo Lattice. <i>Physical Review Letters</i> , 2016, 116, 177002.	7.8	9
36	XFEL coherent diffraction imaging for weakly scattering particles using heterodyne interference. <i>AIP Advances</i> , 2020, 10, .	1.3	9

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37	Quantum Fluctuations of Charge Order Induce Phonon Softening in a Superconducting Cuprate. Physical Review X, 2021, 11, .	8.9	9
38	Intrinsic high-temperature superconductivity in ternary iron selenides. Physical Review B, 2013, 88, .	3.2	8
39	Signatures of strong correlation effects in resonant inelastic x-ray scattering studies on cuprates. Physical Review B, 2016, 94, .	3.2	8
40	Spectral evolution with doping of an antiferromagnetic Mott state. Physical Review B, 2017, 95, .	3.2	7
41	Antiferromagnetism in the Hubbard model using a cluster slave-spin method. Physical Review B, 2017, 96, .	3.2	7
42	Coexistence of superconductivity and antiferromagnetism in a self-doped bilayer $t\text{-}t'$ model. Physical Review B, 2008, 78, .	3.2	6
43	Grand canonical variational approach for the $t\text{-}t'$ model. Physical Review B, 2012, 85, .	3.2	6
44	Enhanced quantum oscillations in Kondo insulators. Physical Review B, 2020, 101, .	3.2	6
45	Slave-rotor theory on magic-angle twisted bilayer graphene. Physical Review B, 2020, 101, .	3.2	5
46	Strange superconductivity near an antiferromagnetic heavy-fermion quantum critical point. Physical Review B, 2019, 99, .	3.2	4
47	Cubic Dirac and quadruple Weyl points in screw-symmetric materials. Physical Review B, 2021, 104, .	3.2	4
48	Three-dimensional image reconstruction of radiation-sensitive samples with x-ray diffraction microscopy. Physical Review B, 2011, 84, .	3.2	3
49	NeuroRetriever: Automatic Neuron Segmentation for Connectome Assembly. Frontiers in Systems Neuroscience, 2021, 15, 687182.	2.5	3
50	Emergence of d -wave superconductivity in a doped two-leg diagonal ladder. Physical Review B, 2019, 99, .	3.2	2
51	Atomically-resolved interlayer charge ordering and its interplay with superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{6.81}$. Nature Communications, 2021, 12, 3893.	12.8	2
52	Absence of superconductivity in micrometer-sized Nbn single crystals. Physical Review B, 2022, 105, .	3.2	2
53	Momentum analyticity of the holographic electric polarizability in $2 + 1$ dimensions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	1
54	Charge-ordered states in the $t\text{-}t'$ model. Physical Review B, 2019, 100, .	3.2	1

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55	Simulation of single bio particles in XFEL coherent diffraction“master curve for photon counts estimation. AIP Conference Proceedings, 2019, , .	0.4	1
56	Theory for Slightly Doped Antiferromagnetic Mott Insulators. Journal of Low Temperature Physics, 2003, 131, 169-179.	1.4	0
57	Ubiquitous proximity to a critical state for collective neural activity in the CA1 region of freely moving mice. Chinese Journal of Physics, 2022, , .	3.9	0