Ka-Ming Tam

List of Publications by Year
in descending order

28 papers	313 citations	840776 11 h-index	839539 18 g-index
28 all docs	28 docs citations	28 times ranked	324 citing authors

#	Article	IF	Citations
1	Solving the parquet equations for the Hubbard model beyond weak coupling. Physical Review E, 2013, 87, 013311.	2.1	50
2	Typical medium dynamical cluster approximation for the study of Anderson localization in three dimensions. Physical Review B, 2014, 89, .	3.2	42
3	Dual fermion dynamical cluster approach for strongly correlated systems. Physical Review B, 2011, 84, .	3.2	25
4	Study of off-diagonal disorder using the typical medium dynamical cluster approximation. Physical Review B, 2014, 90, .	3.2	24
5	Effect of mitigation measures on the spreading of COVID-19 in hard-hit states in the U.S.. PLoS ONE, 2020, 15, e0240877.	2.5	23
6	Deep learning on the 2-dimensional Ising model to extract the crossover region with a variational autoencoder. Scientific Reports, 2020, 10, 13047.	3.3	21
7	Systematic Quantum Cluster Typical Medium Method for the Study of Localization in Strongly Disordered Electronic Systems. Applied Sciences (Switzerland), 2018, 8, 2401.	2.5	20
8	Study of multiband disordered systems using the typical medium dynamical cluster approximation. Physical Review B, 2015, 92, .	3.2	16
9	Metal-insulator transition in a weakly interacting disordered electron system. Physical Review B, 2015, 92, .	3.2	15
10	Generalized multiband typical medium dynamical cluster approximation: Application to (Ga,Mn)N. Physical Review B, 2016, 94, .	3.2	15
11	Identifying structural changes with unsupervised machine learning methods. Physical Review E, 2018, 98, .	2.1	12
12	Phase diagram of the Bose-Hubbard model on a ring-shaped lattice with tunable weak links. Physical Review A, 2013, 87, .	2.5	9
13	Complex phases in the doped two-species bosonic Hubbard model. Physical Review B, 2013, 88, .	3.2	6
14	Origin of localization in Ti-doped Si. Physical Review B, 2018, 98, .	3.2	6
15	Dynamical mean-field theory of the Anderson-Hubbard model with local and nonlocal disorder in tensor formulation. Physical Review B, 2021, 104, .	3.2	6
16	Ab initio approaches to high-entropy alloys: a comparison of CPA, SQS, and supercell methods. Journal of Materials Science, 2022, 57, 10677-10690.	3.7	6
17	Periodic Anderson model with electron-phonon correlated conduction band. Physical Review B, 2013, 87, .	3.2	5
18	Influence of state reopening policies in COVID-19 mortality. Scientific Reports, 2022, 12, 1677.	3.3	5

#	Article	IF	Citations
19	Local density of the Bose-glass phase. Physical Review B, 2018, 98, .	3.2	3
20	Application of the locally self-consistent embedding approach to the Anderson model with non-uniform random distributions. Annals of Physics, 2021, 435, 168480.	2.8	2
21	Locally self-consistent embedding approach for disordered electronic systems. Physical Review B, 2019, 100, .	3.2	1
22	Real Space Quantum Cluster Formulation for the Typical Medium Theory of Anderson Localization. Crystals, 2021, 11, 1282.	2.2	1
23	Bose-Hubbard model on a triangular lattice with diamond ring exchange. Physical Review B, 2016, 94, .	3.2	0
24	Periodic Anderson model with Holstein phonons for the description of the cerium volume collapse. Physical Review B, 2019, 99, .	3.2	0
25	Effect of mitigation measures on the spreading of COVID-19 in hard-hit states in the U.S.. , 2020, 15, e0240877.		0
26	Effect of mitigation measures on the spreading of COVID-19 in hard-hit states in the U.S.. , 2020, 15, e0240877.		0
27	Effect of mitigation measures on the spreading of COVID-19 in hard-hit states in the U.S.. , 2020, 15, e0240877.		0
28	Effect of mitigation measures on the spreading of COVID-19 in hard-hit states in the U.S.. , 2020, 15, e0240877.		0