

Hsiang-Hsuan Hung

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

743
citations

14
h-index

20
g-index

20
ext. papers

829
ext. citations

4.9
avg, IF

3.65
L-index

#	Paper	IF	Citations
20	Localization of Interacting Dirac Fermions. <i>Physical Review Letters</i> , 2018 , 120, 116601	7.4	14
19	Engineering of many-body Majorana states in a topological insulator/s-wave superconductor heterostructure. <i>Scientific Reports</i> , 2017 , 7, 3499	4.9	2
18	Disorder effects in correlated topological insulators. <i>Physical Review B</i> , 2016 , 94,	3.3	11
17	Short-ranged interaction effects on Z2 topological phase transitions: The perturbative mean-field method. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1530005	1.1	1
16	Cellular dynamical mean-field theory study of an interacting topological honeycomb lattice model at finite temperature. <i>Physical Review B</i> , 2015 , 91,	3.3	19
15	Effects of short-ranged interactions on the Kane-Mele model without discrete particle-hole symmetry. <i>Physical Review B</i> , 2014 , 89,	3.3	8
14	Topological phase transition in the Hofstadter-Hubbard model. <i>Physical Review B</i> , 2014 , 90,	3.3	16
13	Comparative DMFT study of the eg-orbital Hubbard model in thin films. <i>Physical Review B</i> , 2014 , 89,	3.3	4
12	THE CHARACTERIZATION OF TOPOLOGICAL PROPERTIES IN QUANTUM MONTE CARLO SIMULATIONS OF THE KANE-MELE-HUBBARD MODEL. <i>Modern Physics Letters B</i> , 2014 , 28, 1430001	1.6	25
11	Short-ranged interaction effects on Z2 topological phase transitions. <i>Physical Review B</i> , 2014 , 90,	3.3	5
10	Interaction effects on topological phase transitions via numerically exact quantum Monte Carlo calculations. <i>Physical Review B</i> , 2014 , 89,	3.3	33
9	Topological phase transition in a generalized Kane-Mele-Hubbard model: A combined quantum Monte Carlo and Green's function study. <i>Physical Review B</i> , 2013 , 87,	3.3	43
8	Quantum magnetic properties of the SU(2N) Hubbard model in the square lattice: A quantum Monte Carlo study. <i>Physical Review B</i> , 2013 , 88,	3.3	32
7	Pomeranchuk cooling of SU(2N) ultracold fermions in optical lattices. <i>Physical Review Letters</i> , 2013 , 110, 220401	7.4	31
6	Anisotropic vortex lattice structures in the FeSe superconductor. <i>Physical Review B</i> , 2012 , 85,	3.3	28
5	Direct observation of nodes and twofold symmetry in FeSe superconductor. <i>Science</i> , 2011 , 332, 1410-3	33.3	328
4	Quantum anomalous Hall states in the p-orbital honeycomb optical lattices. <i>Physical Review A</i> , 2011 , 83,	2.6	42

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| 3 | Quantum magnetism in ultracold alkali and alkaline-earth fermion systems with symplectic symmetry. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 27 |
| 2 | Proposed realization of itinerant ferromagnetism in optical lattices. <i>Physical Review A</i> , 2010 , 82, | 2.6 | 52 |
| 1 | Modulated pair condensate of p-orbital ultracold fermions. <i>Physical Review A</i> , 2010 , 82, | 2.6 | 22 |