

# Hsiang-Hsuan Hung

## List of Publications by Citations

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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	Direct observation of nodes and twofold symmetry in FeSe superconductor. <i>Science</i> , <b>2011</b> , 332, 1410-3	33.3	328
19	Proposed realization of itinerant ferromagnetism in optical lattices. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	52
18	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> , <b>2013</b> , 87,	3.3	43
17	Quantum anomalous Hall states in the p-orbital honeycomb optical lattices. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	42
16	Interaction effects on topological phase transitions via numerically exact quantum Monte Carlo calculations. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	33
15	Quantum magnetic properties of the SU(2N) Hubbard model in the square lattice: A quantum Monte Carlo study. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	32
14	Pomeranchuk cooling of SU(2N) ultracold fermions in optical lattices. <i>Physical Review Letters</i> , <b>2013</b> , 110, 220401	7.4	31
13	Anisotropic vortex lattice structures in the FeSe superconductor. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	28
12	Quantum magnetism in ultracold alkali and alkaline-earth fermion systems with symplectic symmetry. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	27
11	THE CHARACTERIZATION OF TOPOLOGICAL PROPERTIES IN QUANTUM MONTE CARLO SIMULATIONS OF THE KANE-MELE-HUBBARD MODEL. <i>Modern Physics Letters B</i> , <b>2014</b> , 28, 1430001	1.6	25
10	Modulated pair condensate of p-orbital ultracold fermions. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	22
9	Cellular dynamical mean-field theory study of an interacting topological honeycomb lattice model at finite temperature. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	19
8	Topological phase transition in the Hofstadter-Hubbard model. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	16
7	Localization of Interacting Dirac Fermions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 116601	7.4	14
6	Disorder effects in correlated topological insulators. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	11
5	Effects of short-ranged interactions on the Kane-Mele model without discrete particle-hole symmetry. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	8
4	Short-ranged interaction effects on Z <sub>2</sub> topological phase transitions. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	5

3	Comparative DMFT study of the eg-orbital Hubbard model in thin films. <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	4
2	Engineering of many-body Majorana states in a topological insulator/s-wave superconductor heterostructure. <i>Scientific Reports</i> , <b>2017</b> , 7, 3499	4-9	2
1	Short-ranged interaction effects on Z2 topological phase transitions: The perturbative mean-field method. <i>International Journal of Modern Physics B</i> , <b>2015</b> , 29, 1530005	1-1	1