

# Hiromi Otsuka

## List of Publications by Year in descending order

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16  
papers

142  
citations

1163117

8  
h-index

1199594

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground-state phase diagram of the one-dimensional Hubbard model with an alternating chemical potential. <i>Physical Review B</i> , 2005, 71, .	3.2	32
2	AC Susceptibility of the Dipolar Spin Ice Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> : Experiments and Monte Carlo Simulations. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 104710.	1.6	18
3	Two-Dimensional Monopole Dynamics in the Dipolar Spin Ice Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 073707.	1.6	13
4	Field-induced Berezinskii-Kosterlitz-Thouless transition and string-density plateau in the anisotropic triangular antiferromagnetic Ising model. <i>Physical Review E</i> , 2006, 73, 035105.	2.1	12
5	Level spectroscopy of the square-lattice three-state Potts model with a ferromagnetic next-nearest-neighbor coupling. <i>Physical Review E</i> , 2005, 72, 046103.	2.1	11
6	Quarter-filled extended Hubbard model with alternating transfer integral: Two-dimensional Ising transition in the ground state. <i>Physical Review B</i> , 2004, 70, .	3.2	10
7	Phase Diagram of the Square-Lattice Three-State Potts Antiferromagnet with a Staggered Polarization Field. <i>Physical Review Letters</i> , 2004, 93, 120601.	7.8	8
8	Classical dimer model with anisotropic interactions on the square lattice. <i>Physical Review E</i> , 2009, 80, 011140.	2.1	8
9	Monomer-Dimer Mixture on a Honeycomb Lattice. <i>Physical Review Letters</i> , 2011, 106, 227204.	7.8	7
10	Large peaks in the entropy of the diluted nearest-neighbor spin-ice model on the pyrochlore lattice in a [111] magnetic field. <i>Physical Review E</i> , 2019, 99, 022138.	2.1	7
11	Global phase diagram and six-state clock universality behavior in the triangular antiferromagnetic Ising model with anisotropic next-nearest-neighbor coupling: Level-spectroscopy approach. <i>Physical Review E</i> , 2006, 74, 011104.	2.1	5
12	Effective Field Theory of Triangular-Lattice Three-Spin Interaction Model. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 073002.	1.6	4
13	Finite-size-scaling ansatz for the helicity modulus of the triangular-lattice three-spin interaction model. <i>Physical Review E</i> , 2008, 77, 062101.	2.1	3
14	Husimi-cactus approximation study on the diluted spin ice. <i>Physical Review E</i> , 2018, 97, 042132.	2.1	2
15	Asymptotic correlation functions in the Q-state Potts model: A universal form for point group C <sub>4v</sub> . <i>Physical Review E</i> , 2020, 102, 032141.	2.1	1
16	Emergent criticalities and phase transitions in a monomer-dimer mixture on a honeycomb lattice. <i>Journal of the Korean Physical Society</i> , 2013, 63, 493-498.	0.7	0