Hidemaro Suwa

List of Publications by Year
in descending order

17 papers	374 citations	1040056 9 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	527 citing authors

#	Article	IF	Citations
1	Markov Chain Monte Carlo Method without Detailed Balance. Physical Review Letters, 2010, 105, 120603.	7.8	112
2	Giant magnetic response of a two-dimensional antiferromagnet. Nature Physics, 2018, 14, 806-810.	16.7	44
3	Upper and lower critical decay exponents of Ising ferromagnets with long-range interaction. Physical Review E, 2017, 95, 012143.	2.1	33
4	Level spectroscopy in a two-dimensional quantum magnet: Linearly dispersing spinons at the deconfined quantum critical point. Physical Review B, 2016, 94, .	3.2	29
5	Velocity of excitations in ordered, disordered, and critical antiferromagnets. Physical Review B, 2015, 92, .	3.2	28
6	Semiclassical dynamics of spin density waves. Physical Review B, 2018, 97, .	3.2	27
7	Machine learning for molecular dynamics with strongly correlated electrons. Physical Review B, 2019, 99, .	3.2	20
8	Generalized Moment Method for Gap Estimation and Quantum MonteÂCarlo Level Spectroscopy. Physical Review Letters, 2015, 115, 080601.	7.8	19
9	Spin-lattice coupling in a ferrimagnetic spinel: Exotic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>H</mml:mi><mml:mo>â^'</mml:mo><mml:mi>T</mml:mi> phase diagram of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnCr</mml:mi><mml:mn>2</mml:mn><mml:mi mathvariant="normal">S</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> up to 110 T. Physical Review B, 2020, 101, .	3.2	16
10	Antiferromagnetic excitonic insulator state in Sr3Ir2O7. Nature Communications, 2022, 13, 913.	12.8	10
11	Stochastic approximation of dynamical exponent at quantum critical point. Physical Review B, 2015, 92, .	3.2	9
12	Element-specific field-induced spin reorientation and tetracritical point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnCr</mml:mi><mml:mn>2</mml:mn></mml mathvariant="normal">S</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	8
13	Geometrically Constructed Markov Chain Monte Carlo Study of Quantum Spin-phonon Complex Systems. Springer Theses, 2014, , .	0.1	6
14	Nematicity and fractional magnetization plateaus induced by spin-lattice coupling in the classical kagome-lattice Heisenberg antiferromagnet. Physical Review B, 2022, 105, .	3.2	6
15	Exciton condensation in bilayer spin-orbit insulator. Physical Review Research, 2021, 3, .	3.6	4
16	Geometric allocation approach to accelerating directed worm algorithm. Physical Review E, 2021, 103, 013308.	2.1	3
17	Neural Network Approach to Construction of Classical Integrable Systems. Journal of the Physical Society of Japan, 2021, 90, 093001.	1.6	0