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	Antiferromagnetic excitonic insulator state in Sr3Ir2O7. Nature Communications, 2022, 13, 913.	12.8	10
2	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
3	Geometric allocation approach to accelerating directed worm algorithm. Physical Review E, 2021, 103, 013308.	2.1	3
4	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:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>4</mml:mn></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	8
5	Exciton condensation in bilayer spin-orbit insulator. Physical Review Research, 2021, 3, .	3.6	4
6	Neural Network Approach to Construction of Classical Integrable Systems. Journal of the Physical Society of Japan, 2021, 90, 093001.	1.6	0
7	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></mml:m 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:m 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
8	Machine learning for molecular dynamics with strongly correlated electrons. Physical Review B, 2019, 99, .	3.2	20
9	Semiclassical dynamics of spin density waves. Physical Review B, 2018, 97, .	3.2	27
10	Giant magnetic response of a two-dimensional antiferromagnet. Nature Physics, 2018, 14, 806-810.	16.7	44
11	Upper and lower critical decay exponents of Ising ferromagnets with long-range interaction. Physical Review E, 2017, 95, 012143.	2.1	33
12	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
13	Stochastic approximation of dynamical exponent at quantum critical point. Physical Review B, 2015, 92, .	3.2	9
14	Generalized Moment Method for Gap Estimation and Quantum MonteÂCarlo Level Spectroscopy. Physical Review Letters, 2015, 115, 080601.	7.8	19
15	Velocity of excitations in ordered, disordered, and critical antiferromagnets. Physical Review B, 2015, 92, .	3.2	28
16	Geometrically Constructed Markov Chain Monte Carlo Study of Quantum Spin-phonon Complex Systems. Springer Theses, 2014, , .	0.1	6
17	Markov Chain Monte Carlo Method without Detailed Balance. Physical Review Letters, 2010, 105, 120603.	7.8	112