

# Wen-Jun Hu

## List of Publications by Year in descending order

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23  
papers

854  
citations

687363

13  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin liquid nature in the Heisenberg $J_1$ antiferromagnet. Physical Review B, 2016, 93, .	3.2	168
2	Competing spin-liquid states in the spin-1/2 model on the triangular lattice. Physical Review B, 2015, 92, .	3.2	142
3	Direct evidence for a gapless $Z_2$ spin liquid by frustrating Néel antiferromagnetism. Physical Review B, 2013, 88, .	3.2	137
4	Gapped spin-liquid phase in the $J_1$ model by a bosonic resonating valence-bond ansatz. Physical Review B, 2012, 86, .	3.2	104
5	Variational Monte Carlo study of a chiral spin liquid in the extended Heisenberg model on the kagome lattice. Physical Review B, 2015, 91, .	3.2	47
6	Dynamical mean-field theory for the Bose-Hubbard model. Physical Review B, 2009, 80, .	3.2	42
7	Similarities and differences between nickelate and cuprate films grown on a $\text{SrTiO}_3$ substrate. Physical Review B, 2020, 102, .	3.2	39
8	Variational Monte Carlo study of chiral spin liquid in quantum antiferromagnet on the triangular lattice. Physical Review B, 2016, 94, .	3.2	38
9	Absence of static stripes in the two-dimensional $J_1$ model determined using an accurate and systematic quantum Monte Carlo approach. Physical Review B, 2012, 85, .	3.2	30
10	Spin Ferroquadrupolar Order in the Nematic Phase of FeSe. Physical Review Letters, 2016, 116, 247203.	7.8	31
11	Deep learning-enhanced variational Monte Carlo method for quantum many-body physics. Physical Review Research, 2020, 2, .	3.6	25
12	Antiferroquadrupolar Order and Rotational Symmetry Breaking in a Generalized Bilinear-Biquadratic Model on a Square Lattice. Physical Review Letters, 2017, 118, 176401.	7.8	16
13	Broken mirror symmetry, incommensurate spin correlations, and B2g nematic order in iron pnictides. Physical Review B, 2019, 100, .	3.2	15
14	Origin of the magnetic and orbital ordering in $\text{Sr}_2\text{CrO}_4$ . Physical Review B, 2021, 103, .	3.2	13
15	Nematic spin liquid phase in a frustrated spin-1 system on the square lattice. Physical Review B, 2019, 100, .	3.2	9
16	Quantum transitions of nematic phases in a spin-1 bilinear-biquadratic model and their implications for FeSe. Physical Review Research, 2020, 2, .	3.6	9
17	Lanczos steps to improve variational wave functions. Journal of Physics: Conference Series, 2015, 640, 012039.	0.4	8
18	Density matrix renormalization group study of nematicity in two dimensions: Application to a spin-1 bilinear-biquadratic model on the square lattice. Physical Review B, 2020, 101, .	3.2	8

#	ARTICLE	IF	CITATIONS
19	Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe <sub>1.07</sub> Te. Physical Review B, 2018, 97, .	3.2	6
20	Variational Monte Carlo study of a gapless spin liquid in the spin- $\frac{1}{2}$ antiferromagnetic model on the kagome lattice. Physical Review B, 2015, 92, .	3.2	2
21	Fractionalized Excitations Revealed by Entanglement Entropy. Physical Review Letters, 2020, 124, 237201.	7.8	3
22	Fragility of the nematic spin liquid induced by diagonal couplings in the square-lattice SU(3) model. Physical Review B, 2021, 104, .	3.2	2
23	Unified spin model for magnetic excitations in iron chalcogenides. Physical Review B, 2017, 96, .	3.2	1