# Wen-Jun Hu

## List of Publications by Year
in descending order

| 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 | Origin of the magnetic and orbital ordering in $\hat{I}\pm\hat{a}^{\sim}Sr2CrO4$. Physical Review B, 2021, 103, . | 3.2 | 13 |
| 2 | 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 |
| 3 | Similarities and differences between nickelate and cuprate films grown on a $SrTiO_3$ substrate. Physical Review B, 2020, 102, . | 3.2 | 30 |
| 4 | Fractionalized Excitations Revealed by Entanglement Entropy. Physical Review Letters, 2020, 124, 237201. | 7.8 | 3 |
| 5 | 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 |
| 6 | Deep learning-enhanced variational Monte Carlo method for quantum many-body physics. Physical Review Research, 2020, 2, . | 3.6 | 25 |
| 7 | 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 |
| 8 | Nematic spin liquid phase in a frustrated spin-1 system on the square lattice. Physical Review B, 2019, 100, . | 3.2 | 9 |
| 9 | Broken mirror symmetry, incommensurate spin correlations, and B2g nematic order in iron pnictides. Physical Review B, 2019, 100, . | 3.2 | 15 |
| 10 | Spin-isotropic continuum of spin excitations in antiferromagnetically ordered Fe1.07Te. Physical Review B, 2018, 97, . | 3.2 | 6 |
| 11 | Unified spin model for magnetic excitations in iron chalcogenides. Physical Review B, 2017, 96, . | 3.2 | 1 |
| 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 | Variational Monte Carlo study of chiral spin liquid in quantum antiferromagnet on the triangular lattice. Physical Review B, 2016, 94, . | 3.2 | 38 |
| 14 | Spin Ferroquadrupolar Order in the Nematic Phase of FeSe. Physical Review Letters, 2016, 116, 247203. | 7.8 | 31 |
| 15 | Spin liquid nature in the Heisenberg $J_1$-$J_2$ antiferromagnet. Physical Review B, 2016, 93, . | 3.2 | 168 |
| 16 | Competing spin-liquid states in the spin-$\frac{1}{2}$ model on the triangular lattice. Physical Review B, 2015, 92, . | 3.2 | |
| 17 | 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 | |
| 18 | Lanczos steps to improve variational wave functions. Journal of Physics: Conference Series, 2015, 640, 012039. | 0.4 | 8 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | 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 |
| 20 | Direct evidence for a gapless $Z_2$ spin liquid by frustrating Néel antiferromagnetism. Physical Review B, 2013, 88, . | 3.2 | 137 |
| 21 | Gapped spin-liquid phase in the $J_1$–$J_2$ model by a bosonic resonating valence-bond ansatz. Physical Review B, 2012, 86, . | 3.2 | 54 |
| 22 | Absence of static stripes in the two-dimensional $t$–$J$ model determined using an accurate and systematic quantum Monte Carlo approach. Physical Review B, 2012, 85, . | 3.2 | 36 |
| 23 | Dynamical mean-field theory for the Bose-Hubbard model. Physical Review B, 2009, 80, . | 3.2 | 42 |