

Giniyat Khaliullin

List of Publications by Year in descending order

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48
papers

7,517
citations

117625

34
h-index

206112

48
g-index

48
all docs

48
docs citations

48
times ranked

4125
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Magnetic anisotropy in the Kitaev model systems Na_2RuCl_3 . Physical Review B, 2012, 85, 103. | 3.2 | 103 |
| 20 | Magnetic Couplings, Optical Spectra, and Spin-Orbit Exciton in Sr_2IrO_6 . Physical Review Letters, 2012, 109, 167205. | 7.8 | 85 |
| 21 | Order from disorder: Quantum spin gap in magnon spectra of LaTiO_3 . Physical Review B, 2001, 64, . | 3.2 | 82 |
| 22 | Spin-Orbit-Entangled Electronic Phases in $4d$ and $5d$ Transition-Metal Compounds. Journal of the Physical Society of Japan, 2021, 90, 062001. | 1.6 | 75 |
| 23 | Square Lattice Iridates. Annual Review of Condensed Matter Physics, 2019, 10, 315-336. | 14.5 | 74 |
| 24 | Raman Scattering from Higgs Mode Oscillations in the Two-Dimensional Antiferromagnet $\text{Ca}_2\text{RuMn}_2\text{O}_{10}$. Physical Review Letters, 2017, 119, 067201. | 7.8 | 65 |
| 25 | Intrinsic Coupling of Orbital Excitations to Spin Fluctuations in Mott Insulators. Physical Review Letters, 2011, 107, 147201. | 7.8 | 58 |
| 26 | Low Energy Electronic States and Triplet Pairing in Layered Cobaltate. Physical Review Letters, 2004, 93, 176401. | 7.8 | 57 |
| 27 | Magnetically Hidden Order of Kramers Doublets in $1d$ Systems: Sr_2VO_4 . Physical Review Letters, 2009, 103, 067205. | 7.8 | 56 |
| 28 | Pseudo-Jahn-Teller Effect and Magnetoelastic Coupling in Spin-Orbit Mott Insulators. Physical Review Letters, 2019, 122, 057203. | 7.8 | 55 |
| 29 | Competition between d -wave and topological p -wave superconducting phases in the doped Kitaev-Heisenberg model. Physical Review B, 2012, 85, . | 3.2 | 54 |
| 30 | Theory of orbital state and spin interactions in ferromagnetic titanates. Physical Review B, 2003, 68, . | 3.2 | 51 |
| 31 | Proximate ferromagnetic state in the Kitaev model material $\hat{\Gamma}_2\text{-RuCl}_3$. Nature Communications, 2021, 12, 4512. | 12.8 | 47 |
| 32 | Pseudospin-lattice coupling in the spin-orbit Mott insulator Sr_2IrO_6 . Physical Review B, 2019, 99, . | 3.2 | 46 |
| 33 | Electronic excitations in the edge-shared relativistic Mott insulator: Na_2IrO_6 . Physical Review B, 2014, 89, . | 3.2 | 40 |
| 34 | Doping-Induced Ferromagnetism and Possible Triplet Pairing in d -wave Mott Insulators. Physical Review Letters, 2016, 116, 017203. | 7.8 | 36 |
| 35 | Observation of spin-orbit excitations and Hund's multiplets in $\text{Ca}_2\text{RuMn}_2\text{O}_{10}$. Physical Review B, 2019, 100, . | 3.2 | 34 |
| 36 | Spin waves and spin-state transitions in a ruthenate high-temperature antiferromagnet. Nature Materials, 2019, 18, 563-567. | 27.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Spin-State Crossover Model for the Magnetism of Iron Pnictides. Physical Review Letters, 2013, 110, 207205. | 7.8 | 26 |
| 38 | Resonant inelastic x-ray scattering operators for 2-orbital systems. Physical Review B, 2017, 96, . | 3.2 | 26 |
| 39 | Site-Selective Probe of Magnetic Excitations in Rare-Earth Nickelates Using Resonant Inelastic X-ray Scattering. Physical Review X, 2018, 8, . | 8.9 | 26 |
| 40 | Exchange interactions, Jahn-Teller coupling, and multipole orders in pseudospin one-half Mott insulators. Physical Review Research, 2021, 3, . | 3.2 | 18 |
| 41 | Nontrivial Triplon Topology and Triplon Liquid in Kitaev-Heisenberg-type Excitonic Magnets. Physical Review Letters, 2019, 122, 177201. | 7.8 | 17 |
| 42 | Highly frustrated magnetism in relativistic Mott insulators: Bosonic analog of the Kitaev honeycomb model. Physical Review B, 2019, 100, . | 3.2 | 15 |
| 43 | State and Spin-Orbit Excitations in Kitaev Materials. Physical Review Letters, 2021, 127, 227201. | 7.8 | 14 |
| 44 | Unusual Electron Correlations in NaCo ₂ Due to the Spin-State Quasidegeneracy of Cobalt Ions. Progress of Theoretical Physics Supplement, 2008, 176, 50-76. | 0.1 | 11 |
| 45 | Orbital Symmetry and Orbital Excitations in High-Tc Superconductors. Condensed Matter, 2019, 4, 46. | 1.8 | 9 |
| 46 | Effect of electron-lattice coupling on charge and magnetic order in rare-earth nickelates. Physical Review B, 2020, 101, . | 3.2 | 6 |
| 47 | Effects of reduced dimensionality, crystal field, electron-lattice coupling, and strain on the ground state of a rare-earth nickelate monolayer. Physical Review B, 2021, 104, . | 3.2 | 4 |
| 48 | Exchange interactions in Kitaev materials: From Na ₂ IrO ₃ to | 3.2 | 2 |