

Chetan Dhital

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,290
citations

394421

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395702

33
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all docs

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docs citations

35
times ranked

2291
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Observation of Dirac Node Formation and Mass Acquisition in a Topological Crystalline Insulator. Science, 2013, 341, 1496-1499. | 12.6 | 252 |
| 2 | Direct Observation of Broken Time-Reversal Symmetry on the Surface of a Magnetically Doped Topological Insulator. Physical Review Letters, 2011, 106, 206805. | 7.8 | 142 |
| 3 | Effect of Uniaxial Strain on the Structural and Magnetic Phase Transitions in BaFe_2As_2 . Physical Review Letters, 2012, 108, 087001. | 7.8 | 95 |
| 4 | Neutron scattering study of correlated phase behavior in SrIr_2O_7 . Physical Review B, 2013, 87, . | 3.2 | 92 |
| 5 | Magnetic order in the pyrochlore iridates $\text{A}_2\text{Ir}_2\text{O}_7$ (A= Y, Yb). Physical Review B, 2012, 86, . | 3.2 | 89 |
| 6 | Imaging the evolution of metallic states in a correlated iridate. Nature Materials, 2013, 12, 707-713. | 27.5 | 71 |
| 7 | Magnetic order and the electronic ground state in the pyrochlore iridate $\text{Nd}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2012, 85, . | 3.2 | 51 |
| 8 | Spectroscopic evidence for negative electronic compressibility in a quasi-three-dimensional spin-orbit correlated metal. Nature Materials, 2015, 14, 577-582. | 27.5 | 43 |
| 9 | Carrier localization and electronic phase separation in a doped spin-orbit-driven Mott phase in $\text{Sr}_3(\text{Ir}_{1-x}\text{Ru}_x)_2\text{O}_7$. Nature Communications, 2014, 5, 3377. | 3.2 | 41 |
| 10 | Carrier localization and electronic phase separation in a doped spin-orbit-driven Mott phase in $\text{Sr}_3(\text{Ir}_{1-x}\text{Ru}_x)_2\text{O}_7$. Nature Communications, 2014, 5, 3377. | 12.8 | 40 |
| 11 | Synthesis, Structure, and Electrochemical Performance of High Capacity $\text{Li}_{2-x}\text{Cu}_{0.5}\text{Ni}_{0.5}\text{O}_2$ Cathodes. Chemistry of Materials, 2015, 27, 1666-1674. | 6.7 | 31 |
| 12 | Magnetization and Hall effect studies on the pyrochlore iridate $\text{Nd}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2012, 85, . | 3.2 | 30 |
| 13 | Visualizing Landau Levels of Dirac Electrons in a One-Dimensional Potential. Physical Review Letters, 2012, 109, 166407. | 7.8 | 29 |
| 14 | Ripple-modulated electronic structure of a 3D topological insulator. Nature Communications, 2012, 3, 1158. | 12.8 | 28 |
| 15 | Disorder induced power-law gaps in an insulator-metal Mott transition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11198-11202. | 7.1 | 24 |
| 16 | Evolution of antiferromagnetic susceptibility under uniaxial pressure in BaFe_2As_2 . Physical Review B, 2012, 85, . | 3.2 | 23 |
| 17 | GaSb Thermophotovoltaic Cells Grown on GaAs Substrate Using the Interfacial Misfit Array Method. Journal of Electronic Materials, 2014, 43, 902-908. | 2.2 | 22 |
| 18 | Effect of negative chemical pressure on the prototypical itinerant magnet MnSi . Physical Review B, 2017, 95, . | 3.2 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Synthesis, characterization and electrochemical performance of Al-substituted Li ₂ MnO ₃ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 201, 13-22. | 3.5 | 19 |
| 20 | The Influence of Fe Substitution in Lanthanum Calcium Cobalt Oxide on the Oxygen Evolution Reaction in Alkaline Media. Journal of the Electrochemical Society, 2016, 163, F1124-F1132. | 2.9 | 19 |
| 21 | Synthesis and characterization of substituted garnet and perovskite-based lithium-ion conducting solid electrolytes. Ionics, 2016, 22, 317-325. | 2.4 | 19 |
| 22 | Fermi Arcs vs. Fermi Pockets in Electron-doped Perovskite Iridates. Scientific Reports, 2015, 5, 8533. | 3.3 | 18 |
| 23 | Exploring the origins of the Dzyaloshinskii-Moriya interaction in MnSi. Physical Review B, 2017, 96, . | 3.2 | 17 |
| 24 | Magnetism and magnetic order in the pyrochlore iridates in the insulator-to-metal crossover region. Journal of Physics: Conference Series, 2014, 551, 012020. | 0.4 | 13 |
| 25 | Neutron scattering study of magnetic phase separation in nanocrystalline La ₅ Ca ₈ MnO ₁₂ . Physical Review B, 2011, 84, . | 3.2 | 12 |
| 26 | Spin-correlated electronic state on the surface of a spin-orbit Mott system. Physical Review B, 2014, 90, . | 3.2 | 11 |
| 27 | Crystal and magnetic structure of polar oxide HoCrWO ₆ . Journal of Magnetism and Magnetic Materials, 2020, 514, 167219. | 2.3 | 9 |
| 28 | Unpinning the skyrmion lattice in MnSi: Effect of substitutional disorder. Physical Review B, 2019, 99, . | 3.2 | 8 |
| 29 | Inelastic neutron scattering study of phonon density of states in nanostructured Si _{1-x} Ge _x thermoelectrics. Physical Review B, 2012, 86, . | 3.2 | 6 |
| 30 | Entropic signatures of the skyrmion lattice phase in MnSi _{1-x} Al _x and Fe _{1-y} Co _y Si. Physical Review B, 2020, 102, . | 3.2 | 4 |
| 31 | Ingeniously enhanced ferromagnetism in chemically-reduced 2D Ti ₃ C ₂ TX MXene. Materials Chemistry and Physics, 2022, 285, 126155. | 4.0 | 4 |
| 32 | Zn-induced spin dynamics in overdoped La ₂ Sr ₂ Cu ₂ O ₁₀ . Physical Review B, 2012, 86, . | 3.2 | 3 |
| 33 | Magnetic structure of magnetoelectric multiferroic HoFeWO ₆ . Journal of Magnetism and Magnetic Materials, 2022, 544, 168725. | 2.3 | 3 |