

Andrej Mesaros

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,490
citations

567281

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713466

21
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all docs

22
docs citations

22
times ranked

1801
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The space group classification of topological band-insulators. Nature Physics, 2013, 9, 98-102. | 16.7 | 470 |
| 2 | Classification of symmetry enriched topological phases with exactly solvable models. Physical Review B, 2013, 87, . | 3.2 | 199 |
| 3 | Topological Defects Coupling Smectic Modulations to Intra-Unit-Cell Nematicity in Cuprates. Science, 2011, 333, 426-430. | 12.6 | 139 |
| 4 | Universal Probes of Two-Dimensional Topological Insulators: Dislocation and Flux. Physical Review Letters, 2012, 108, 106403. | 7.8 | 106 |
| 5 | Interplay between electronic topology and crystal symmetry: Dislocation-line modes in topological band insulators. Physical Review B, 2014, 90, . | 3.2 | 91 |
| 6 | Generalized Modular Transformations in Topologically Ordered Phases and Triple Linking Invariant of Loop Braiding. Physical Review X, 2014, 4, . | 8.9 | 75 |
| 7 | Commensurate 4×4 -period charge density modulations throughout the $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ pseudogap regime. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12661-12666. | 7.1 | 73 |
| 8 | Electronic states of graphene grain boundaries. Physical Review B, 2010, 82, . | 3.2 | 69 |
| 9 | Isolated pairs of Majorana zero modes in a disordered superconducting lead monolayer. Nature Communications, 2019, 10, 2587. | 12.8 | 47 |
| 10 | Parallel transport of electrons in graphene parallels gravity. Physical Review B, 2010, 82, . | 3.2 | 41 |
| 11 | Topological superconductivity with deformable magnetic skyrmions. Communications Physics, 2019, 2, . | 5.3 | 40 |
| 12 | Berry phase of dislocations in graphene and valley conserving decoherence. Physical Review B, 2009, 79, . | 3.2 | 32 |
| 13 | Chiral Spin-Density Wave, Spin-Charge-Chem Liquid, and Correlated Electronic Systems on the Honeycomb Lattice. Physical Review X, 2014, 4, . | 8.9 | 25 |
| 14 | Changing topology by topological defects in three-dimensional topologically ordered phases. Physical Review B, 2013, 88, . | 3.2 | 23 |
| 15 | Zero-energy states bound to a magnetic flux vortex in a two-dimensional topological insulator. Nuclear Physics B, 2013, 867, 977-991. | 2.5 | 20 |
| 16 | Nematic fluctuations balancing the zoo of phases in half-filled quantum Hall systems. Physical Review B, 2017, 95, . | 3.2 | 10 |
| 17 | Enhanced electronic polarizability of metallic stripes and the universality of the bond-stretching phonon anomaly in high-temperature cuprate superconductors. Physical Review B, 2007, 76, . | 3.2 | 8 |
| 18 | Straining topological insulators as a way to detect Majorana fermions. Physical Review B, 2011, 84, . | 3.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Possible correlation-driven odd-parity superconductivity in LaNi_7Co_8 . Physical Review B, 2014, 89, . | 3.2 | 6 |
| 20 | Effect of Van Hove singularities on Shiba states in two-dimensional s-wave superconductors. <i>Physical Review B</i> , 2021, 103, . | 3.2 | 5 |
| 21 | Quasiparticle focusing of bound states in two-dimensional s-wave superconductors. <i>Physical Review B</i> , 2022, 105, . | 3.2 | 4 |
| 22 | Spectroscopic imaging STM studies of broken electronic symmetries in underdoped cuprates. <i>Physica B: Condensed Matter</i> , 2012, 407, 1859-1863. | 2.7 | 0 |