

# Andrej Mesaros

## List of Publications by Year in descending order

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22  
papers

1,490  
citations

567281

15  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1801  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasiparticle focusing of bound states in two-dimensional $s$ -wave superconductors. Physical Review B, 2022, 105, .	3.2	4
2	Effect of Van Hove singularities on Shiba states in two-dimensional $s$ -wave superconductors. Physical Review B, 2021, 103, .	3.2	5
3	Topological superconductivity with deformable magnetic skyrmions. Communications Physics, 2019, 2, .	5.3	40
4	Isolated pairs of Majorana zero modes in a disordered superconducting lead monolayer. Nature Communications, 2019, 10, 2587.	12.8	47
5	Nematic fluctuations balancing the zoo of phases in half-filled quantum Hall systems. Physical Review B, 2017, 95, .	3.2	10
6	Commensurate $4 \times 2$ -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
7	Generalized Modular Transformations in $d$ -Dimensional Topological Insulators. Physical Review X, 2015, 5, 041047.	8.9	25
8	Topologically Ordered Phases and Triple Linking Invariant of Loop Braiding. Physical Review X, 2014, 4, .	8.9	75
9	Interplay between electronic topology and crystal symmetry: Dislocation-line modes in topological band insulators. Physical Review B, 2014, 90, .	3.2	91
10	Possible correlation-driven odd-parity superconductivity in $\text{LaNi}_7\text{Co}_8$ . Physical Review B, 2014, 89, .	3.2	6
11	The space group classification of topological band-insulators. Nature Physics, 2013, 9, 98-102.	16.7	470
12	Zero-energy states bound to a magnetic $\mathbb{Z}_2$ -flux vortex in a two-dimensional topological insulator. Nuclear Physics B, 2013, 867, 977-991.	2.5	20
13	Changing topology by topological defects in three-dimensional topologically ordered phases. Physical Review B, 2013, 88, .	3.2	23
14	Classification of symmetry enriched topological phases with exactly solvable models. Physical Review B, 2013, 87, .	3.2	199
15	Universal Probes of Two-Dimensional Topological Insulators: Dislocation and $\mathbb{Z}_2$ -Flux. Physical Review Letters, 2012, 108, 106403.	7.8	106
16	Spectroscopic imaging STM studies of broken electronic symmetries in underdoped cuprates. Physica B: Condensed Matter, 2012, 407, 1859-1863.	2.7	0
17	Topological Defects Coupling Smectic Modulations to Intra-Unit-Cell Nematicity in Cuprates. Science, 2011, 333, 426-430.	12.6	139
18	Straining topological insulators as a way to detect Majorana fermions. Physical Review B, 2011, 84, .	3.2	7

#	ARTICLE	IF	CITATIONS
19	Electronic states of graphene grain boundaries. Physical Review B, 2010, 82, .	3.2	69
20	Parallel transport of electrons in graphene parallels gravity. Physical Review B, 2010, 82, .	3.2	41
21	Berry phase of dislocations in graphene and valley conserving decoherence. Physical Review B, 2009, 79, .	3.2	32
22	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