Anton Burkov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1667421/publications.pdf

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27	5,663	394421 19	552781 26
papers	citations	h-index	g-index

27	27	27	4591
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Weyl Semimetal in a Topological Insulator Multilayer. Physical Review Letters, 2011, 107, 127205.	7.8	1,881
2	Topological nodal semimetals. Physical Review B, 2011, 84, .	3.2	1,323
3	Topological semimetals. Nature Materials, 2016, 15, 1145-1148.	27.5	489
4	Chiral anomaly and transport in Weyl metals. Journal of Physics Condensed Matter, 2015, 27, 113201.	1.8	312
5	Anomalous Hall Effect in Weyl Metals. Physical Review Letters, 2014, 113, 187202.	7.8	291
6	Chiral Anomaly and Diffusive Magnetotransport in Weyl Metals. Physical Review Letters, 2014, 113, 247203.	7.8	227
7	Spin and Charge Transport on the Surface of a Topological Insulator. Physical Review Letters, 2010, 105, 066802.	7.8	204
8	Axion response in Weyl semimetals. Physical Review B, 2013, 88, .	3.2	182
9	Putting competing orders in their place near the Mott transition. Physical Review B, 2005, 71, .	3.2	132
10	Superconductivity in Weyl metals. Physical Review B, 2015, 92, .	3.2	118
11	Weyl fermions and the anomalous Hall effect in metallic ferromagnets. Physical Review B, 2013, 88, .	3.2	103
12	Thin topological insulator film in a perpendicular magnetic field. Physical Review B, 2011, 83, .	3.2	66
13	Anomalous Hall Effect in Ferromagnetic Semiconductors in the Hopping Transport Regime. Physical Review Letters, 2003, 91, 057202.	7.8	61
14	Putting competing orders in their place near the Mott transition. II. The doped quantum dimer model. Physical Review B, 2005, 71, .	3.2	46
15	Density response in Weyl metals. Physical Review B, 2014, 89, .	3.2	44
16	Mirror Anomaly in Dirac Semimetals. Physical Review Letters, 2018, 120, 016603.	7.8	26
17	Stability of Superflow for Ultracold Fermions in Optical Lattices. Physical Review Letters, 2008, 100, 255301.	7.8	23
18	Charge density waves in Weyl semimetals. Physical Review B, 2020, 102, .	3.2	20

#	Article	IF	Citations
19	Fractional Quantum Hall Effect in Weyl Semimetals. Physical Review Letters, 2020, 124, 096603.	7.8	19
20	Theory of reduced superfluid density in underdoped cuprate superconductors. Physical Review B, 2008, 77, .	3.2	18
21	Chiral anomaly without relativity. Science, 2015, 350, 378-379.	12.6	17
22	Theory of the fractional quantum Hall effect in Weyl semimetals. Physical Review B, 2020, 101, .	3.2	17
23	Unquantized anomalies in topological semimetals. Physical Review Research, 2021, 3, .	3.6	16
24	Finite momentum pairing instability of band insulators with multiple bands. Physical Review B, 2010, 81, .	3.2	10
25	Emergent anomalies and generalized Luttinger theorems in metals and semimetals. Physical Review B, 2021, 104, .	3.2	9
26	Linear spin-wave study of a quantum kagome ice. Physical Review B, 2016, 93, .	3.2	8
27	Chiral spin liquid from magnetic Wannier states. Physical Review B, 2016, 93, .	3.2	1