

Anton Burkov

List of Publications by Year in descending order

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27
papers

5,663
citations

394421

19
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

4591
citing authors

#	ARTICLE	IF	CITATIONS
1	Unquantized anomalies in topological semimetals. <i>Physical Review Research</i> , 2021, 3, .	3.6	16
2	Emergent anomalies and generalized Luttinger theorems in metals and semimetals. <i>Physical Review B</i> , 2021, 104, .	3.2	9
3	Charge density waves in Weyl semimetals. <i>Physical Review B</i> , 2020, 102, .	3.2	20
4	Fractional Quantum Hall Effect in Weyl Semimetals. <i>Physical Review Letters</i> , 2020, 124, 096603.	7.8	19
5	Theory of the fractional quantum Hall effect in Weyl semimetals. <i>Physical Review B</i> , 2020, 101, .	3.2	17
6	Mirror Anomaly in Dirac Semimetals. <i>Physical Review Letters</i> , 2018, 120, 016603.	7.8	26
7	Chiral spin liquid from magnetic Wannier states. <i>Physical Review B</i> , 2016, 93, .	3.2	1
8	Linear spin-wave study of a quantum kagome ice. <i>Physical Review B</i> , 2016, 93, .	3.2	8
9	Topological semimetals. <i>Nature Materials</i> , 2016, 15, 1145-1148.	27.5	489
10	Superconductivity in Weyl metals. <i>Physical Review B</i> , 2015, 92, .	3.2	118
11	Chiral anomaly and transport in Weyl metals. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 113201.	1.8	312
12	Chiral anomaly without relativity. <i>Science</i> , 2015, 350, 378-379.	12.6	17
13	Chiral Anomaly and Diffusive Magnetotransport in Weyl Metals. <i>Physical Review Letters</i> , 2014, 113, 247203.	7.8	227
14	Anomalous Hall Effect in Weyl Metals. <i>Physical Review Letters</i> , 2014, 113, 187202.	7.8	291
15	Density response in Weyl metals. <i>Physical Review B</i> , 2014, 89, .	3.2	44
16	Weyl fermions and the anomalous Hall effect in metallic ferromagnets. <i>Physical Review B</i> , 2013, 88, .	3.2	103
17	Axion response in Weyl semimetals. <i>Physical Review B</i> , 2013, 88, .	3.2	182
18	Weyl Semimetal in a Topological Insulator Multilayer. <i>Physical Review Letters</i> , 2011, 107, 127205.	7.8	1,881

#	ARTICLE	IF	CITATIONS
19	Thin topological insulator film in a perpendicular magnetic field. Physical Review B, 2011, 83, .	3.2	66
20	Topological nodal semimetals. Physical Review B, 2011, 84, .	3.2	1,323
21	Finite momentum pairing instability of band insulators with multiple bands. Physical Review B, 2010, 81, .	3.2	10
22	Spin and Charge Transport on the Surface of a Topological Insulator. Physical Review Letters, 2010, 105, 066802.	7.8	204
23	Theory of reduced superfluid density in underdoped cuprate superconductors. Physical Review B, 2008, 77, .	3.2	18
24	Stability of Superflow for Ultracold Fermions in Optical Lattices. Physical Review Letters, 2008, 100, 255301.	7.8	23
25	Putting competing orders in their place near the Mott transition. II. The doped quantum dimer model. Physical Review B, 2005, 71, .	3.2	46
26	Putting competing orders in their place near the Mott transition. Physical Review B, 2005, 71, .	3.2	132
27	Anomalous Hall Effect in Ferromagnetic Semiconductors in the Hopping Transport Regime. Physical Review Letters, 2003, 91, 057202.	7.8	61