

Ratnadwip Singha

List of Publications by Year in descending order

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28
docs citations

28
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1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Large nonsaturating magnetoresistance and signature of nondegenerate Dirac nodes in ZrSiS. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2468-2473.	7.1	233
2	Planar Hall effect in the type-II Dirac semimetal ZrSiS . Physical Review B, 2018, 98, .	3.2	66
3	Magnetotransport properties and evidence of a topological insulating state in LaSbTe. Physical Review B, 2017, 96, .	3.2	51
4	One-dimensional Luttinger liquids in a two-dimensional moiré lattice. Nature, 2022, 605, 57-62.	27.8	44
5	Effect of hydrostatic pressure on ferromagnetism in two-dimensional ZrSiS . Physical Review B, 2019, 99, .	3.2	38
6	Fermi surface topology and signature of surface Dirac nodes in LaBi. Scientific Reports, 2017, 7, 6321.	3.3	37
7	Magnetotransport properties and giant anomalous Hall angle in the half-Heusler compound TbPtBi. Physical Review B, 2019, 99, .	3.2	37
8	Magnetotransport properties of the correlated topological nodal-line semimetal YbCdGe. Physical Review B, 2019, 99, .	3.2	32
9	Probing lattice dynamics and electron-phonon coupling in the topological nodal-line semimetal ZrSiS. Physical Review B, 2018, 97, .	3.2	25
10	Anomalous Hall effect in the half-metallic Heusler compound Co_2MnSi . Physical Review B, 2019, 99, .	3.2	20
11	Topological Hall effect in the antiferromagnetic Dirac semimetal EuAgAs. Physical Review B, 2021, 103, .	3.2	19
12	Complex exchange mechanism driven ferromagnetism in half-metallic Heusler Co_2MnSi : Evidence from critical behavior. Physical Review B, 2019, 99, .	3.2	18
13	Anisotropic transverse magnetoresistance and Fermi surface in TaSb ₂ . Scientific Reports, 2018, 8, 10527.	3.3	17
14	Probing the Fermi surface and magnetotransport properties of MoAs . Physical Review B, 2018, 97, .	3.2	16
15	Evolving Devil's Staircase Magnetization from Tunable Charge Density Waves in Nonsymmorphic Dirac Semimetals. Advanced Materials, 2021, 33, e2103476.	21.0	14
16	Tip-induced superconductivity coexisting with preserved topological properties in line-nodal semimetal ZrSiS. Journal of Physics Condensed Matter, 2019, 31, 485707.	1.8	13
17	Tuning the scattering mechanism in the three-dimensional Dirac semimetal Cd_3As_2 . Physical Review B, 2016, 94, .	3.2	12
18	Interplay between charge density wave order and magnetic field in the nonmagnetic rare-earth tritelluride LaTe_3 . Physical Review B, 2021, 104, .	3.2	10

#	ARTICLE	IF	CITATIONS
19	TaCo ₂ Te ₂ : An Airâ€ Stable, High Mobility Van der Waals Material with Probable Magnetic Order. Advanced Functional Materials, 2022, 32, .	14.9	10
20	Magneto-transport properties of proposed triply degenerate topological semimetal Pd ₃ Bi ₂ S ₂ . Applied Physics Letters, 2018, 112, .	3.3	9
21	A Class of Magnetic Topological Material Candidates with Hypervalent Bi Chains. Journal of the American Chemical Society, 2022, 144, 9785-9796.	13.7	9
22	Magnetic ordering induced ferroelectricity in $\hat{\pm}$ -Cu ₂ V ₂ O ₇ studied through non-magnetic Zn doping. Journal of Applied Physics, 2017, 121, 094103.	2.5	8
23	Signature of topological nontrivial band structure in \langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle mml:mrow> \langle mml:msub> \langle mml:mi>Ta</mml:mi> \langle mml:mn>23</mml:mn> /mml:mrow> \langle mml:mi> /mml:mi> Physical Review Materials, 2021, 5, .	2.4	7
24	Lattice dynamics of the topological Dirac semimetal LaAgSb ₂ with charge density wave ordering. Physical Review B, 2020, 102, .	3.2	6
25	3D Analogs of Square-Net Nodal Line Semimetals: Band Topology of Cubic LaIn ₃ . Chemistry of Materials, 2022, 34, 4446-4455.	6.7	5
26	Effect of Co and Mg doping at Cu site on structural, magnetic and dielectric properties of $\hat{\pm}$ â€ Cu ₂ V ₂ O ₇ . Journal of Physics Condensed Matter, 2022, 34, 075702.	1.8	3
27	Pressure-Dependent Colossal Resistivity and Anomalous Optical Signatures in FeSbO ₄ . Journal of Physical Chemistry C, 2022, 126, 7630-7637.	3.1	2
28	Fermi surface properties of NbAs ₂ studied by de Haas-van Alphen oscillation. AIP Conference Proceedings, 2018, , .	0.4	1