

Ratnadwip Singha

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	TaCo ₂ Te ₂ : An Air-Stable, High Mobility Van der Waals Material with Probable Magnetic Order. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
2	Effect of Co and Mg doping at Cu site on structural, magnetic and dielectric properties of Cu_2VO_7 . <i>Journal of Physics Condensed Matter</i> , 2022, 34, 075702.	1.8	3
3	Pressure-Dependent Colossal Resistivity and Anomalous Optical Signatures in FeSbO ₄ . <i>Journal of Physical Chemistry C</i> , 2022, 126, 7630-7637.	3.1	2
4	One-dimensional Luttinger liquids in a two-dimensional moiré lattice. <i>Nature</i> , 2022, 605, 57-62.	27.8	44
5	3D Analogs of Square-Net Nodal Line Semimetals: Band Topology of Cubic LaIn ₃ . <i>Chemistry of Materials</i> , 2022, 34, 4446-4455.	6.7	5
6	A Class of Magnetic Topological Material Candidates with Hypervalent Bi Chains. <i>Journal of the American Chemical Society</i> , 2022, 144, 9785-9796.	13.7	9
7	Signature of topological nontrivial band structure in Ta_2Te_5 . <i>Physical Review Materials</i> , 2021, 5, .	3.2	10
8	Topological Hall effect in the antiferromagnetic Dirac semimetal EuAgAs. <i>Physical Review B</i> , 2021, 103, .	3.2	19
9	Evolving Devil's Staircase Magnetization from Tunable Charge Density Waves in Nonsymmorphic Dirac Semimetals. <i>Advanced Materials</i> , 2021, 33, e2103476.	21.0	14
10	Interplay between charge density wave order and magnetic field in the nonmagnetic rare-earth tritelluride LaTe_3 . <i>Physical Review B</i> , 2021, 104, .	3.2	10
11	Lattice dynamics of the topological Dirac semimetal LaAgSb ₂ with charge density wave ordering. <i>Physical Review B</i> , 2020, 102, .	3.2	6
12	Anomalous Hall effect in the half-metallic Heusler compound Co_2MnSi : Evidence from critical behavior. <i>Physical Review B</i> , 2019, 99, .	3.2	18
13	Tip-induced superconductivity coexisting with preserved topological properties in line-nodal semimetal ZrSiS. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 485707.	1.8	13
14	Complex exchange mechanism driven ferromagnetism in half-metallic Heusler Co_2MnSi : Evidence from critical behavior. <i>Physical Review B</i> , 2019, 99, .	3.2	18
15	Magnetotransport properties of the correlated topological nodal-line semimetal YbCdGe. <i>Physical Review B</i> , 2019, 99, .	3.2	32
16	Effect of hydrostatic pressure on ferromagnetism in two-dimensional CrI_3 . <i>Physical Review B</i> , 2019, 99, .	3.2	38
17	Magnetotransport properties and giant anomalous Hall angle in the half-Heusler compound TbPtBi. <i>Physical Review B</i> , 2019, 99, .	3.2	37
18	Probing the Fermi surface and magnetotransport properties of MoAs_2 . <i>Physical Review B</i> , 2018, 97, .	3.2	16

#	ARTICLE	IF	CITATIONS
19	Fermi surface properties of NbAs ₂ studied by de Haas-van Alphen oscillation. AIP Conference Proceedings, 2018, , .	0.4	1
20	Probing lattice dynamics and electron-phonon coupling in the topological nodal-line semimetal ZrSiS. Physical Review B, 2018, 97, .	3.2	25
21	Anisotropic transverse magnetoresistance and Fermi surface in TaSb ₂ . Scientific Reports, 2018, 8, 10527.	3.3	17
22	Planar Hall effect in the type-II Dirac semimetal VAl Physical Review B, 2018, 98, .	3.2	66
23	Magneto-transport properties of proposed triply degenerate topological semimetal Pd ₃ Bi ₂ S ₂ . Applied Physics Letters, 2018, 112, .	3.3	9
24	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
25	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
26	Fermi surface topology and signature of surface Dirac nodes in LaBi. Scientific Reports, 2017, 7, 6321.	3.3	37
27	Magnetotransport properties and evidence of a topological insulating state in LaSbTe. Physical Review B, 2017, 96, .	3.2	51
28	Tuning the scattering mechanism in the three-dimensional Dirac semimetal Cd Physical Review B, 2016, 94, .	3.2	12