

Archana Lakhani

List of Publications by Year in descending order

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28
papers

340
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840776

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times ranked

365
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition between axial anomaly and ferromagnetic ordering in $\text{Bi}_{2-x}\text{FexSe}_3$ topological insulator: A study of magnetic and magnetotransport properties. Journal of Materiomics, 2022, 8, 669-677.	5.7	1
2	Atomic disorder and Berry phase driven anomalous Hall effect in a Heusler compound. Physical Review B, 2022, 105, .	3.2	19
3	Extremely large linear magnetoresistance in antimony crystal. Journal Physics D: Applied Physics, 2021, 54, 195303.	2.8	6
4	Transport evidence of linear Dirac dispersion of non-trivial surface states in Fe-substituted PbBi_2Te_4 3D topological insulator. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 130, 114672.	2.7	1
5	Enhanced thermoelectric performance of solution-grown Bi_2Te_3 nanorods. Materials Today Energy, 2021, 21, 100700.	4.7	10
6	Scaling analysis of anomalous Hall resistivity in the Co_2TiAl Heusler alloy. Journal of Physics Condensed Matter, 2020, 32, 365703.	1.8	7
7	Effect of crystalline quality on the transport properties of ferromagnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. Journal of Solid State Chemistry, 2020, 289, 121461.	2.9	6
8	Effect of band bending on topological surface transport of Bi_2Te_3 single crystal. Journal of Physics Condensed Matter, 2020, 33, 115703.	1.8	6
9	Field induced transport studies of antimony crystal. AIP Conference Proceedings, 2019, , .	0.4	1
10	Unusual Conductance Fluctuations and Quantum Oscillation in Mesoscopic Topological Insulator PbBi_4Te_7 . Scientific Reports, 2019, 9, 7018.	3.3	9
11	Observation of multichannel quantum coherent transport and electron-electron interaction in Bi_2Te_3 single crystal. Applied Physics Letters, 2019, 114, .	3.3	13
12	Effect of disorder on the anomalous Hall conductivity of Co_2FeSi thin films. Journal of Magnetism and Magnetic Materials, 2018, 448, 371-377.	2.3	11
13	Study of magnetoresistance in the supercooled state of Dy-Y alloys. Journal of Magnetism and Magnetic Materials, 2018, 448, 367-370.	2.3	2
14	Large Linear Magnetoresistance from Neutral Defects in Bi_2Se_3 Single Crystal. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800088.	2.4	14
15	Observation of quantum Hall effect in a microstrained Bi_2Se_3 single crystal. Materials Research Bulletin, 2017, 88, 127-130.	5.2	21
16	Role of lattice inhomogeneities on the electronic properties of selenium deficient Bi_2Se_3 . Journal of Physics Condensed Matter, 2017, 29, 445704.	1.8	6
17	Evidence for the absence of electron-electron Coulomb interaction quantum correction to the anomalous Hall effect in Co_2TiAl Heusler-alloy thin films. Physical Review B, 2017, 96, .	3.2	22
18	Resistivity study of $\text{Dy}_{0.93}\text{Y}_{0.07}$ alloy. Journal of Physics: Conference Series, 2016, 755, 012030.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Study of dysprosium in different magnetic states. AIP Conference Proceedings, 2016, , .	0.4	1
20	Effect of Yttrium doping on structural and magnetic properties of Dysprosium. Journal of Magnetism and Magnetic Materials, 2016, 418, 306-310.	2.3	2
21	Observation of π Berry phase in quantum oscillations of three-dimensional Fermi surface in topological insulator Bi_2Se_3 . Physica Status Solidi - Rapid Research Letters, 2015, 9, 636-640.	2.4	27
22	Temperature and field dependence of magnetic transitions in the rare earth alloy Dy _{0.965} Y _{0.035} . Physica B: Condensed Matter, 2014, 448, 13-15.	2.7	5
23	Magnetic glass in shape memory alloy: $\text{Ni}_{45}\text{Co}_5\text{Mn}_{38}\text{Sn}_{12}$. Journal of Physics Condensed Matter, 2012, 24, 386004.	1.8	21
24	Tuning the austenite and martensite phase fraction in ferromagnetic shape memory alloy ribbons of $\text{Ni}_{45}\text{Co}_5\text{Mn}_{38}\text{Sn}_{12}$. Applied Physics Letters, 2011, 99, .	3.3	24
25	Relating field-induced shift in transition temperature to the kinetics of coexisting phases in magnetic shape memory alloys. Solid State Communications, 2011, 151, 971-975. History-dependent nucleation and growth of the martensitic phase in the magnetic shape memory alloy $\text{Ni}_{45}\text{Co}_5\text{Mn}_{38}\text{Sn}_{12}$	1.9	20
26	Low-temperature study of field-induced antiferromagnetic-ferromagnetic transition in Pd-doped Fe-Rh. Physical Review B, 2009, 80, .	3.2	34
27	Large Linear Magnetoresistance and Evidence of Degeneracy Lifting of Valence Bands in Rhombohedral Phase of Topological Crystalline Insulator SnTe. Physica Status Solidi - Rapid Research Letters, 0, , 2100542.	3.2	47
28		2.4	2