

Archana Lakhani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6939802/publications.pdf>

Version: 2024-02-01

28
papers

340
citations

840776

11
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

365
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature study of field-induced antiferromagnetic-ferromagnetic transition in Pd-doped Fe-Rh. <i>Physical Review B</i> , 2009, 80. History-dependent nucleation and growth of the martensitic phase in the magnetic shape memory alloy $Ni_{45}Co_{38}Mn_{17}$. <i>Physical Review B</i> , 2011, 83.	3.2	47
2	Observation of the Berry phase in quantum oscillations of three-dimensional Fermi surface in topological insulator Bi_2Se_3 . <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 636-640.	3.2	34
3	Tuning the austenite and martensite phase fraction in ferromagnetic shape memory alloy ribbons of $Ni_{45}Co_{5}Mn_{38}Sn_{12}$. <i>Applied Physics Letters</i> , 2011, 99, .	2.4	27
4	Evidence for the absence of electron-electron Coulomb interaction quantum correction to the anomalous Hall effect in Co_2Zn Heusler-alloy thin films. <i>Physical Review B</i> , 2017, 96, .	3.3	24
5	Magnetic glass in shape memory alloy: $Ni_{45}Co_5Mn_{38}Sn_{12}$. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 386004.	1.8	21
6	Observation of quantum Hall effect in a microstrained Bi_2Se_3 single crystal. <i>Materials Research Bulletin</i> , 2017, 88, 127-130.	5.2	21
7	Relating field-induced shift in transition temperature to the kinetics of coexisting phases in magnetic shape memory alloys. <i>Solid State Communications</i> , 2011, 151, 971-975.	1.9	20
8	Atomic disorder and Berry phase driven anomalous Hall effect in a Co_2MnSi Heusler compound. <i>Physical Review B</i> , 2022, 105, .	2	19
9	Large Linear Magnetoresistance from Neutral Defects in Bi_2Se_3 Single Crystal. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800088.	2.4	14
10	Observation of multichannel quantum coherent transport and electron-electron interaction in Bi_2Te_3 single crystal. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	13
11	Effect of disorder on the anomalous Hall conductivity of Co_2FeSi thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 371-377.	2.3	11
12	Enhanced thermoelectric performance of solution-grown Bi_2Te_3 nanorods. <i>Materials Today Energy</i> , 2021, 21, 100700.	4.7	10
13	Unusual Conductance Fluctuations and Quantum Oscillation in Mesoscopic Topological Insulator $PbBi_4Te_7$. <i>Scientific Reports</i> , 2019, 9, 7018.	3.3	9
14	Scaling analysis of anomalous Hall resistivity in the Co_2TiAl Heusler alloy. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 365703.	1.8	7
15	Role of lattice inhomogeneities on the electronic properties of selenium deficient Bi_2Se_3 . <i>Journal of Physics Condensed Matter</i> , 2017, 29, 445704.	1.8	6
16	Effect of crystalline quality on the transport properties of ferromagnetic Weyl semimetal $Co_3Sn_2S_2$. <i>Journal of Solid State Chemistry</i> , 2020, 289, 121461.	2.9	6
17	Extremely large linear magnetoresistance in antimony crystal. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 195303.	2.8	6

#	ARTICLE	IF	CITATIONS
19	Effect of band bending on topological surface transport of Bi ₂ Te ₃ single crystal. Journal of Physics Condensed Matter, 2020, 33, 115703.	1.8	6
20	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
21	Resistivity study of Dy _{0.93} Y _{0.07} alloy. Journal of Physics: Conference Series, 2016, 755, 012030.	0.4	2
22	Effect of Yttrium doping on structural and magnetic properties of Dysprosium. Journal of Magnetism and Magnetic Materials, 2016, 418, 306-310.	2.3	2
23	Study of magnetoresistance in the supercooled state of Dy-Y alloys. Journal of Magnetism and Magnetic Materials, 2018, 448, 367-370.	2.3	2
24	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.	2.4	2
25	Study of dysprosium in different magnetic states. AIP Conference Proceedings, 2016, , .	0.4	1
26	Field induced transport studies of antimony crystal. AIP Conference Proceedings, 2019, , .	0.4	1
27	Transport evidence of linear Dirac dispersion of non-trivial surface states in Fe-substituted PbBi ₂ Te ₄ 3D topological insulator. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 130, 114672.	2.7	1
28	Competition between axial anomaly and ferromagnetic ordering in Bi _{2-x} Fe _x Se ₃ topological insulator: A study of magnetic and magnetotransport properties. Journal of Materiomics, 2022, 8, 669-677.	5.7	1