

Aritra Banerjee

List of Publications by Year in descending order

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27
papers

277
citations

1040056

9
h-index

940533

16
g-index

27
all docs

27
docs citations

27
times ranked

334
citing authors

#	ARTICLE	IF	CITATIONS
1	Block co-polymer template-mediated synthesis of sub-micron-sized rice-grain/rod-shaped TiO ₂ nanoparticles and their conversion to TiO ₂ @Ag composite for photocatalysis. Polymer Bulletin, 2023, 80, 1997-2017.	3.3	1
2	Improvement of thermoelectric performance in $\text{Sb}_{2-x}\text{Te}_3$ nanocomposites. Physical Review Materials, 2022, 6, .	2.4	1
3	Observation of Griffiths-like phase in the quaternary Heusler compound NiFeTiSn. Journal of Physics Condensed Matter, 2022, , .	1.8	1
4	Enhancement of electron mobility and thermoelectric power factor of cobalt-doped Bi_2Te_3 . International Journal of Energy Research, 2022, 46, 17029-17042.	4.5	5
5	Sb_2Te_3 /graphite nanocomposite: A comprehensive study of thermal conductivity. Journal of Materiomics, 2021, 7, 545-555.	5.7	5
6	Evidence of improvement in thermoelectric parameters of Bi_2Te_3 /graphite nanocomposite. Journal of Applied Physics, 2021, 129, .	2.5	14
7	Thermoelectric materials taking advantage of spin entropy: lessons from chalcogenides and oxides. Science and Technology of Advanced Materials, 2021, 22, 583-596.	6.1	27
8	Relative humidity sensing properties of doped polyaniline-encased multiwall carbon nanotubes: wearable and flexible human respiration monitoring application. Journal of Materials Science, 2020, 55, 3884-3901.	3.7	37
9	Role of graphite on the thermoelectric performance of Sb_2Te_3 /graphite nanocomposite. Journal of Applied Physics, 2019, 125, .	2.5	13
10	Modulation of thermal conductivity and thermoelectric figure of merit by anharmonic lattice vibration in Sb_2Te_3 thermoelectrics. AIP Advances, 2018, 8, 125119.	1.3	4
11	The Magnetic Properties of Sol-Gel Synthesized $\text{TM}_{0.03}\text{Zn}_{0.97}\text{O}$ (TM: Mn, Fe). Journal of Applied Physics, 2018, 123, 074301.	1.5	3
12	Effect of Mn dispersion on thermoelectric properties of Sb_2Te_3 based nanocomposite. AIP Conference Proceedings, 2017, , .	0.4	0
13	Evolution of phonon anharmonicity in Se-doped Sb_2Te_3 thermoelectrics. Physical Review B, 2017, 96, .	3.2	18
14	Structural and resistive property study of $\text{Bi}_2\text{Te}_3+x\%$ graphite nanocomposites. AIP Conference Proceedings, 2017, , .	0.4	0
15	Evidence of iso-structural phase transition in rhombohedral Bi-Sb alloy. Europhysics Letters, 2016, 115, 58001.	2.0	6
16	Thermoelectric property study of Bi_2Te_3 - Sb_2Te_3 mixed crystals. AIP Conference Proceedings, 2016, , .	0.4	3
17	Structural and thermoelectric property study of Se doped Sb_2Te_3 alloy. AIP Conference Proceedings, 2016, , .	0.4	1
18	The effect of quenching from different temperatures on $\text{Bi}_{0.88}\text{Sb}_{0.12}$ alloy. Journal of Physics and Chemistry of Solids, 2016, 91, 7-12.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Structural and transport properties of metallic and semiconducting Sb ₂ Te ₃ alloy. AIP Conference Proceedings, 2015, , .	0.4	0
20	Effect of antimony concentration on structural and transport properties of (Bi _{1-x} Sb _x) ₂ Te ₃ mixed crystal. AIP Conference Proceedings, 2015, , .	0.4	0
21	Defect induced structural and thermoelectric properties of Sb ₂ Te ₃ alloy. Journal of Applied Physics, 2015, 118, .	2.5	48
22	Effect of 50ÂMeV Li ⁺³ ion beam irradiation on structural and magnetic properties of Zn _{0.96} Mn _{0.04} O powder. Radiation Effects and Defects in Solids, 2013, 168, 571-579.	1.2	1
23	Temperature-dependent structural property and power factor of n type thermoelectric Bi _{0.90} Sb _{0.10} and Bi _{0.86} Sb _{0.14} alloys. Applied Physics Letters, 2013, 103, .	3.3	11
24	Sb concentration dependent power factor of n-type thermoelectric material Bi _{1-x} Sb _x alloy. , 2013, , .		0
25	Effect of Mn doping on structural and optical properties of Zn _{1-x} Mn _x O thin films. , 2012, , .		0
26	Sb concentration dependent structural and resistive properties of polycrystalline Bi-Sb alloys. Journal of Applied Physics, 2012, 112, .	2.5	31
27	Transport anomalies across the quantum limit in semimetallic $Bi_{1-x}Sb_x$ Physical Review B, 2008, 78, .	3.2	37