

Ranita Basu

List of Publications by Year in descending order

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593
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved thermoelectric performance of hot pressed nanostructured n-type SiGe bulk alloys. Journal of Materials Chemistry A, 2014, 2, 6922.	10.3	145
2	CuCrSe ₂ : a high performance phonon glass and electron crystal thermoelectric material. Journal of Materials Chemistry A, 2013, 1, 11289.	10.3	85
3	High thermoelectric performance of (AgCrSe ₂) _{0.5} (CuCrSe ₂) _{0.5} nano-composites having all-scale natural hierarchical architectures. Journal of Materials Chemistry A, 2014, 2, 17122-17129.	10.3	82
4	Low temperature thermoelectric properties of Cu intercalated TiSe ₂ : a charge density wave material. Applied Physics A: Materials Science and Processing, 2013, 111, 465-470.	2.3	24
5	Improved Thermoelectric Properties of Se-Doped n-Type PbTe _{1-x} Se _x (0 ≤ x ≤ 1). Journal of Electronic Materials, 2013, 42, 2292-2296.	2.2	14
6	Remarkable Improvement of Thermoelectric Figure-of-Merit in SnTe through In Situ-Created Te Nano-inclusions. ACS Applied Energy Materials, 2020, 3, 7113-7120.	5.1	14
7	Stabilizing Thermoelectric Figure-of-Merit of Superionic Conductor Cu ₂ Se through W Nano-inclusions. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000102.	2.4	12
8	A synergistic approach to achieving the high thermoelectric performance of La-doped SnTe using resonance state and partial band convergence. Materials Advances, 2021, 2, 4352-4361.	5.4	8
9	Band Convergence and Phonon Scattering Mediated Improved Thermoelectric Performance of SnTe/PbTe Nanocomposites. ACS Applied Energy Materials, 2020, 3, 8882-8891.	5.1	7
10	A review on single crystal and thin film SiGe alloy: growth and applications. Materials Advances, 2022, 3, 4489-4513.	5.4	7
11	Optimization of Thermoelectric Properties of Mechanically Alloyed p-Type SiGe by Mathematical Modelling. Journal of Electronic Materials, 2019, 48, 649-655.	2.2	6
12	Synergistic manifestation of band and scattering engineering in single aliovalent Sb alloyed anharmonic SnTe alloy in concurrence with rule of parsimony. Materials Advances, 0, , .	5.4	4
13	Thermoelectric properties of Ag added Ca _{0.98} La _{0.02} MnO ₃ . , 2014, , .		3
14	Temperature Driven Unusual Reversible p-to n-Type Conduction Switching in Bi ₂ Te _{2.7} Se _{0.3} . Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900121.	2.4	3
15	Improving the Thermoelectric Performance of Tetrahedrally Bonded Quaternary Selenide Cu ₂ CdSnSe ₄ Using CdSe Precipitates. Journal of Electronic Materials, 2019, 48, 2120-2130.	2.2	2
16	Optimisation of electrical contact resistance in Bi _{0.5} Sb _{1.5} Te ₃ for development of thermoelectric generators. AIP Conference Proceedings, 2017, , .	0.4	1