Somnath Acharya

List of Publications by Year
in descending order

13	505	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of thermoelectric performance in a non-toxic CuInTe₂/SnTe coated grain nanocomposite. Journal of Materials Chemistry A, 2021, 9, 14851-14858.	10.3	12
2	Review on the operation of wearable sensors through body heat harvesting based on thermoelectric devices. Applied Physics Letters, 2021, 118, .	3.3	29
3	High Thermoelectric Performance of ZnO by Coherent Phonon Scattering and Optimized Charge Transport. Advanced Functional Materials, 2021, 31, 2105008.	14.9	19
4	High thermoelectric power factor in p-type Cu8GeSe6. AIP Conference Proceedings, 2019, , .	0.4	4
5	Engineering ferroelectric instability to achieve ultralow thermal conductivity and high thermoelectric performance in Sn_{1â^'x}Ge_xTe. Energy and Environmental Science, 2019, 12, 589-595.	30.8	155
6	Enhancement of Power Factor for Inherently Poor Thermal Conductor Ag₈GeSe₆ by Replacing Ge with Sn. ACS Applied Energy Materials, 2019, 2, 654-660.	5.1	26
7	Charge carriers modulation and thermoelectric performance of intrinsically p-type Bi2Te3 by Ge doping. Journal of Alloys and Compounds, 2018, 746, 350-355.	5.5	30
8	Rare earth doping and effective band-convergence in SnTe for improved thermoelectric performance. Applied Physics Letters, 2018, 113, .	3.3	25
9	Coupling of charge carriers with magnetic entropy for power factor enhancement in Mn doped Sn_{1.03}Te for thermoelectric applications. Journal of Materials Chemistry C, 2018, 6, 6489-6493.	5.5	56
10	Enhanced thermoelectric properties of Yb doped SnTe. AIP Conference Proceedings, 2017, , .	0.4	4
11	Reduction of the thermal conductivity of the thermoelectric material ScN by Nb alloying. Journal of Applied Physics, 2017, 122, 025116.	2.5	28
12	Soft phonon modes driven reduced thermal conductivity in self-compensated Sn1.03Te with Mn doping. Applied Physics Letters, 2016, 109, .	3.3	69
13	Is Chemically Synthesized Graphene â€˜Reallyâ€™ a Unique Substrate for SERS and Fluorescence Quenching?. Scientific Reports, 2013, 3, 3336.	3.3	48