

Sajid Ahmad

List of Publications by Year in descending order

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papers

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docs citations

20
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652
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	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
3	Boosting thermoelectric performance of p-type SiGe alloys through in-situ metallic YSi ₂ nano-inclusions. Nano Energy, 2016, 27, 282-297.	16.0	79
4	Tellurium-free thermoelectrics: Improved thermoelectric performance of n-type Bi ₂ Se ₃ having multiscale hierarchical architecture. Energy Conversion and Management, 2017, 145, 415-424.	9.2	37
5	Enhanced Thermoelectric Properties of Selenium-Deficient Layered TiSe ₂ : A Charge-Density-Wave Material. ACS Applied Materials & Interfaces, 2014, 6, 18619-18625.	8.0	21
6	Study of thermal stability of Cu ₂ Se thermoelectric material. AIP Conference Proceedings, 2016, , .	0.4	17
7	Enhanced thermoelectric figure-of-merit of p-type SiGe through TiO ₂ nano-inclusions and modulation doping of boron. Materialia, 2018, 4, 147-156.	2.7	17
8	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
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	Optimization of Thermoelectric Properties of Mechanically Alloyed p-Type SiGe by Mathematical Modelling. Journal of Electronic Materials, 2019, 48, 649-655.	2.2	6
11	Thermoelectric performance of layered Sr _x TiSe ₂ above 300 K. Journal of Physics Condensed Matter, 2014, 26, 445002.	1.8	5
12	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
13	Improvement in thermoelectric power factor of mechanically alloyed p-type SiGe by incorporation of TiB ₂ . AIP Conference Proceedings, 2016, , .	0.4	2
14	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
15	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
16	Tailoring thermal conductivity in PbS by incorporation of copper for thermoelectric applications. AIP Conference Proceedings, 2017, , .	0.4	1
17	Lead sulphide: Low cost, abundant thermoelectrics. AIP Conference Proceedings, 2018, , .	0.4	1
18	Effect of tin on thermoelectric power factor of indium tin oxide. AIP Conference Proceedings, 2019, , .	0.4	1

#	ARTICLE	IF	CITATIONS
19	Near room temperature thermoelectrics: Ag ₂ Se. AIP Conference Proceedings, 2020, , .	0.4	1
20	Synthesis & tailoring the thermal conductivity of Sr doped Bi ₂ Se ₃ thermoelectric material. AIP Conference Proceedings, 2017, , .	0.4	0