

Sheik Md Kazi Nazrul Islam

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

522
citations

840585

11
h-index

887953

17
g-index

20
all docs

20
docs citations

20
times ranked

464
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high thermoelectric performance in graphene incorporated Cu ₂ Se: Role of mismatching phonon modes. Nano Energy, 2018, 53, 993-1002.	8.2	145
2	Significant enhancement of figure-of-merit in carbon-reinforced Cu ₂ Se nanocrystalline solids. Nano Energy, 2017, 41, 164-171.	8.2	103
3	Giant enhancement of the figure-of-merit over a broad temperature range in nano-boron incorporated Cu ₂ Se. Journal of Materials Chemistry A, 2018, 6, 18409-18416.	5.2	49
4	Ultrahigh figure-of-merit of Cu ₂ Se incorporated with carbon coated boron nanoparticles. Information Materials, 2019, 1, 108-115.	8.5	47
5	Enhancement of thermoelectric properties of La-doped SrTiO ₃ bulk by introducing nanoscale porosity. Royal Society Open Science, 2019, 6, 190870.	1.1	24
6	Significant Improvement in Electrical Conductivity and Figure of Merit of Nanoarchitected Porous SrTiO ₃ by La Doping Optimization. ACS Applied Materials & Interfaces, 2020, 12, 28057-28064.	4.0	23
7	Enhancing the Thermoelectric Performance of Polycrystalline SnSe by Decoupling Electrical and Thermal Transport through Carbon Fiber Incorporation. ACS Applied Materials & Interfaces, 2020, 12, 12910-12918.	4.0	22
8	Significantly enhanced figure-of-merit in graphene nanoplate incorporated Cu ₂ Se fabricated by spark plasma sintering. Journal of Alloys and Compounds, 2018, 769, 59-64.	2.8	21
9	New Design of Solar Photovoltaic and Thermal Hybrid System for Performance Improvement of Solar Photovoltaic. International Journal of Photoenergy, 2020, 2020, 1-6.	1.4	16
10	Graphene inclusion induced ultralow thermal conductivity and improved figure of merit in p-type SnSe. Nanoscale, 2020, 12, 12760-12766.	2.8	16
11	Copper diffusion rates and hopping pathways in superionic Cu ₂ Se. Acta Materialia, 2021, 215, 117026.	3.8	15
12	Grape juice: an effective liquid additive for significant enhancement of thermoelectric performance of Cu ₂ Se. Journal of Materials Chemistry A, 2020, 8, 16913-16919.	5.2	14
13	Sustainable powered microcontroller-based intelligent security system for local and remote area applications. , 2012, , .		9
14	Degradation of Commercial Dyes Using Mill Scale by photo-Fenton. Environmental Processes, 2015, 2, 215-224.	1.7	6
15	NiO-nanofillers embedded in graphite/PVA-polymer matrix for efficient electromagnetic radiation shielding. AIP Conference Proceedings, 2019, , .	0.3	5
16	Beneficial Effect of Na ₂ CO ₃ Additions on the Thermoelectric Performance of Melt-Routed Cu ₂ Se. Advanced Electronic Materials, 2022, 8, .	2.6	4
17	Nano-Power Sensor Applications in VLSI Multi-die Tiny Chip. , 2011, , .		1
18	Significant Reduction in Thermal Conductivity and Improved Thermopower of Electron-Doped Ba _{1-x} La _x TiO ₃ with Nanostructured Rectangular Pores. Advanced Electronic Materials, 2021, 7, 2001044.	2.6	1

#	ARTICLE	IF	CITATIONS
19	Significant enhancement of electrical conductivity by incorporating carbon fiber into CoSb ₃ thermoelectric skutterudite fabricated by spark plasma sintering method. Journal of Materials Science, 2021, 56, 20138-20153.	1.7	1
20	Mixed-Signal VLSI Design in 0.5µm Process of Nano-Power Subcompact Mirror-Amplifier for AccuSensor. , 2011, , .		0