

Abdullah A Alshaikhi

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

180
citations

1478505

6
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory of the lattice thermal conductivity in bulk and films of GaN. Physical Review B, 2010, 81, .	3.2	47
2	Thermal conductivity of single crystal and ceramic AlN. Journal of Applied Physics, 2008, 103, .	2.5	43
3	Theoretical investigations of phonon intrinsic mean-free path in zinc-blende and wurtzite AlN. Physical Review B, 2007, 76, .	3.2	26
4	Effect of temperature dependent relaxation time of charge carriers on the thermoelectric properties of LiScX (X=C, Si, Ge) half-Heusler alloys. Journal of Alloys and Compounds, 2019, 806, 1536-1541.	5.5	25
5	Role of additives in enhancing the thermal conductivity of AlN ceramics. Journal Physics D: Applied Physics, 2008, 41, 185407.	2.8	11
6	Unraveling the effect of isotropic strain on the transport properties of half-Heusler alloy LiScGe. Journal of Alloys and Compounds, 2021, 859, 158232.	5.5	8
7	Phonon intrinsic mean free path in zincblende AlN. Diamond and Related Materials, 2007, 16, 1413-1416.	3.9	6
8	Superior gas sensing properties of $\ln_{1-x}\text{Ga}_x\text{N}$ thin films. Journal of Applied Physics, 2008, 103, 083507.	3.0	6
9	Janus Al ₂ STe monolayer: A prospective thermoelectric material. Solid State Communications, 2022, 341, 114579.	1.9	6
10	Challenges and clarification on creating input files for metallic materials in the noncollinear spin-orbit case and band structure within GGA in Quantum Espresso: Ni as a case study. Journal of Physics: Conference Series, 2021, 1734, 012039.	0.4	1
11	Schottky contacts in graphene and few layers Janus MoS ₂ Se van der Waals heterostructure. European Physical Journal Plus, 2021, 136, 1.	2.6	1
12	Drop and recovery of thermal conductivity of AlN upon UV irradiation. Journal of Physics: Conference Series, 2007, 92, 012084.	0.4	0