

Xue-Kun Chen

List of Publications by Year in descending order

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19
papers

779
citations

687363

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g-index

19
all docs

19
docs citations

19
times ranked

599
citing authors

#	ARTICLE	IF	CITATIONS
1	High interfacial thermal conductance across heterogeneous GaN/graphene interface. Applied Surface Science, 2022, 581, 152344.	6.1	21
2	Enhancement of thermoelectric performance in graphenylene nanoribbons by suppressing phonon thermal conductance: the role of phonon local resonance. Nanotechnology, 2022, 33, 215402.	2.6	5
3	Excellent Medium-Temperature Thermoelectric Performance of Monolayer BiOCl. Langmuir, 2022, 38, 7733-7739.	3.5	13
4	Tunable anisotropic thermal transport in porous carbon foams: The role of phonon coupling. International Journal of Mechanical Sciences, 2021, 206, 106576.	6.7	96
5	Thermal Transport in Two-Dimensional Heterostructures. Frontiers in Materials, 2020, 7, .	2.4	21
6	Thermal transport of carbon nanomaterials. Journal of Physics Condensed Matter, 2020, 32, 153002.	1.8	94
7	Thermal Rectification in Asymmetric Graphene/Hexagonal Boron Nitride van der Waals Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 15517-15526.	8.0	55
8	Modulation of thermal transport in Al _x Ga _{1-x} As alloy nanowires with varying compositions. Applied Physics Letters, 2020, 116, .	3.3	3
9	Thermal transport properties in monolayer group-IV binary compounds. Journal of Physics Condensed Matter, 2020, 32, 305301.	1.8	10
10	Adsorption and desorption of hydrogen on/from single-vacancy and double-vacancy graphenes. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	14
11	Highly efficient thermal rectification in carbon/boron nitride heteronanotubes. Carbon, 2019, 148, 532-539.	10.3	44
12	Tunable thermal rectification in graphene/hexagonal boron nitride hybrid structures. Journal Physics D: Applied Physics, 2018, 51, 085103.	2.8	23
13	Anisotropic thermal conductivity in carbon honeycomb. Journal of Physics Condensed Matter, 2018, 30, 155702.	1.8	15
14	A local resonance mechanism for thermal rectification in pristine/branched graphene nanoribbon junctions. Applied Physics Letters, 2018, 113, .	3.3	72
15	A wave-dominated heat transport mechanism for negative differential thermal resistance in graphene/hexagonal boron nitride heterostructures. Applied Physics Letters, 2017, 110, .	3.3	63
16	Anomalous thermal conductance of graphyne under lower temperature. Journal of Physics Condensed Matter, 2017, 29, 455702.	1.8	7
17	Phonon wave interference in graphene and boron nitride superlattice. Applied Physics Letters, 2016, 109, 023101.	3.3	94
18	Thermal rectification and negative differential thermal resistance behaviors in graphene/hexagonal boron nitride heterojunction. Carbon, 2016, 100, 492-500.	10.3	108

#	ARTICLE	IF	CITATIONS
19	The thermal conductivity in hybridised graphene and boron nitride nanoribbons modulated with strain. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 115301.	2.8	21