

Experimental observation of high thermal conductivity

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Point defects and dopants of boron arsenide from first-principles calculations: Donor compensation and doping asymmetry. Applied Physics Letters, 2018, 113, .	1.5	33
3	Ultralow thermal conductivity in a two-dimensional material due to surface-enhanced resonant bonding. Materials Today Physics, 2018, 7, 89-95.	2.9	12
4	Impurity-derived $\langle i \rangle p \langle /i \rangle$ -type conductivity in cubic boron arsenide. Applied Physics Letters, 2018, 113, .	1.5	39
5	Survey of ab initio phonon thermal transport. Materials Today Physics, 2018, 7, 106-120.	2.9	108
6	High Thermoelectric Figure of Merit via Tunable Valley Convergence Coupled Low Thermal Conductivity in AlBIVC ₂ VChalcopyrites. Journal of Physical Chemistry C, 2018, 122, 29150-29157.	1.5	25
7	Advances in thermoelectrics. Advances in Physics, 2018, 67, 69-147.	35.9	383
8	Thermal-conductivity measurement by time-domain thermoreflectance. MRS Bulletin, 2018, 43, 782-789.	1.7	19
9	Effect of Contact Pressure on the Performance of Carbon Nanotube Arrays Thermal Interface Material. Nanomaterials, 2018, 8, 732.	1.9	11
10	High Thermal Conductivity in Isotopically Enriched Cubic Boron Phosphide. Advanced Functional Materials, 2018, 28, 1805116.	7.8	73
11	Antisite Pairs Suppress the Thermal Conductivity of BAs. Physical Review Letters, 2018, 121, 105901.	2.9	41
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13	Anisotropic thermal conductivity measurement using a new Asymmetric-Beam Time-Domain Thermoreflectance (AB-TDTR) method. Review of Scientific Instruments, 2018, 89, 084901.	0.6	40
14	Simultaneously high electron and hole mobilities in cubic boron-V compounds: BP, BAs, and BSb. Physical Review B, 2018, 98, .	1.1	55
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17	Anomalously low thermal conductivity in superhard cubic Si ₃ N ₄ . Physical Review B, 2019, 100, .	1.1	5
18	Phonon band gaps in the IV-VI monochalcogenides. Physical Review B, 2019, 100, .	1.1	24
19	Atomic-Scale Study of Intrinsic Defects Suppressing the Thermal Conductivity of Boron Arsenide. Microscopy and Microanalysis, 2019, 25, 942-943.	0.2	0

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21	<i>Ab initio</i> investigation of single-layer high thermal conductivity boron compounds. <i>Physical Review B</i> , 2019, 100, .	1.1	58
22	Thermal expansion coefficients of high thermal conducting BAs and BP materials. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	13
23	Effect of electron-phonon interaction on lattice thermal conductivity of SiGe alloys. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	33
24	Tunable optoelectronic properties in h-BP/h-BAs bilayers: The effect of an external electrical field. <i>Applied Surface Science</i> , 2019, 493, 308-319.	3.1	23
25	Regulated Interfacial Thermal Conductance between Cu and Diamond by a TiC Interlayer for Thermal Management Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26507-26517.	4.0	41
26	Thermal Expansion Coefficient and Lattice Anharmonicity of Cubic Boron Arsenide. <i>Physical Review Applied</i> , 2019, 11, .	1.5	23
27	Decay mechanism of optical phonons in $\hat{1}^3$ -CuI. <i>AIP Advances</i> , 2019, 9, 055104.	0.6	6
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