

Effects of chemical bonding on heat transport across interfaces

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Electronic and Magnetic Properties of Mn ₁₂ Molecular Magnets on Sulfonate and Carboxylic Acid Prefunctionalized Gold Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14936-14942.	1.5	24
4	Origins of thermal boundary conductance of interfaces involving organic semiconductors. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	41
5	Carbon nanotube thermal interfaces enhanced with sprayed on nanoscale polymer coatings. <i>Nanotechnology</i> , 2013, 24, 105401.	1.3	32
6	Engineering interfaces in carbon nanostructured mats for the creation of energy efficient thermal interface materials. <i>Carbon</i> , 2013, 61, 441-457.	5.4	42
7	Active control of thermal transport in molecular spin valves. <i>Physical Review B</i> , 2013, 88, .	1.1	5
8	Enhancement of thermal and mechanical properties of flexible graphene oxide/carbon nanotube hybrid films through direct covalent bonding. <i>Journal of Materials Science</i> , 2013, 48, 7011-7021.	1.7	14
9	Effect of Surfactant and Solvent on Spinâ€“Lattice Relaxation Dynamics of Magnetic Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4399-4405.	1.2	1
10	Ultrasensitive Molecular Detection Using Thermal Conductance of a Hydrophobic Goldâ€“Water Interface. <i>Nano Letters</i> , 2013, 13, 4142-4147.	4.5	13
11	Effect of diamond surface orientation on the thermal boundary conductance between diamond and aluminum. <i>Diamond and Related Materials</i> , 2013, 39, 8-13.	1.8	31
12	Ultralow Thermal Conductivity of Atomic/Molecular Layer-Deposited Hybrid Organicâ€“Inorganic Zinc Oxide Thin Films. <i>Nano Letters</i> , 2013, 13, 5594-5599.	4.5	94
13	The effect of non-covalent functionalization on the thermal conductance of graphene/organic interfaces. <i>Nanotechnology</i> , 2013, 24, 165702.	1.3	92
14	Influence of interfacial properties on thermal transport at gold:silicon contacts. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	69
15	Tuning Phonon Transport: From Interfaces to Nanostructures. <i>Journal of Heat Transfer</i> , 2013, 135, .	1.2	38
16	Polyhedral Oligosilsesquioxaneâ€“Modified Boron Nitride Nanotube Based Epoxy Nanocomposites: An Ideal Dielectric Material with High Thermal Conductivity. <i>Advanced Functional Materials</i> , 2013, 23, 1824-1831.	7.8	529
17	Breaking through barriers. <i>Nature Materials</i> , 2013, 12, 382-384.	13.3	21
18	Surface chemistry mediates thermal transport in three-dimensional nanocrystal arrays. <i>Nature Materials</i> , 2013, 12, 410-415.	13.3	218
19	Nanoscale heat transfer â€“ from computation to experiment. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3389.	1.3	218
20	Simultaneous measurement of thermal conductivity and heat capacity of bulk and thin film materials using frequency-dependent transient thermorefectance method. <i>Review of Scientific Instruments</i> , 2013, 84, 034902.	0.6	120

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22	Synthesis of multi-hierarchical structured yttria-stabilized zirconia powders and their enhanced thermophysical properties. <i>Journal of Solid State Chemistry</i> , 2013, 202, 168-172.	1.4	4
23	Ultralow Thermal Conductivity in Organoclay Nanolaminates Synthesized via Simple Self-Assembly. <i>Nano Letters</i> , 2013, 13, 2215-2219.	4.5	68
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25	Influence of diamond surface termination on thermal boundary conductance between Al and diamond. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	39
27	An ab initio study of ZrB ₂ -SiC interface strength as a function of temperature: Correlating phononic and electronic thermal contributions. <i>Journal of the European Ceramic Society</i> , 2013, 33, 615-625.	2.8	11
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