

Elastomeric Thermal Interface Materials with High Thermal Conductivity from Carbon Fiber Fillers Vertically Aligned by Electrospinning

Advanced Materials

26, 5857-5862

DOI: [10.1002/adma.201401736](https://doi.org/10.1002/adma.201401736)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Application of Hybrid Fillers for Improving the Through-Plane Heat Transport in Graphite Nanoplatelet-Based Thermal Interface Layers. <i>Scientific Reports</i> , 2015, 5, 13108.	1.6	20
2	Enhanced cooling in mono-crystalline ultra-thin silicon by embedded micro-air channels. <i>AIP Advances</i> , 2015, 5, 127115.	0.6	10
3	Flexible thermoelectric rubber polymer composites based on single-walled carbon nanotubes. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 04DN03.	0.8	10
4	Bioinspired Modification of h-BN for High Thermal Conductive Composite Films with Aligned Structure. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5701-5708.	4.0	403
5	Crystallite Size Effect on Thermal Conductive Properties of Nonwoven Nanocellulose Sheets. <i>Biomacromolecules</i> , 2015, 16, 2220-2227.	2.6	111
6	Enhanced thermal conductive property of polyamide composites by low mass fraction of covalently grafted graphene nanoribbons. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10990-10997.	2.7	36
7	Thermal conductivity and electric properties of epoxy composites filled with TiO ₂ -coated copper nanowire. <i>Polymer</i> , 2015, 76, 313-320.	1.8	58
8	Thermal Conductive and Mechanical Properties of Polymeric Composites Based on Solution-Exfoliated Boron Nitride and Graphene Nanosheets: A Morphology-Promoted Synergistic Effect. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19068-19075.	4.0	226
9	Carbon Nanomaterials in Different Dimensions for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600278.	10.2	219
10	Thermal conductivity enhancement of laser induced graphene foam upon P3HT infiltration. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	24
11	Facile Exfoliation and Noncovalent Superacid Functionalization of Boron Nitride Nanosheets and Their Use for Highly Thermally Conductive and Electrically Insulating Polymer Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27064-27073.	4.0	212
12	Thermally conductive and optically transparent flexible films with surface-exposed nanocellulose skeletons. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9697-9703.	2.7	50
13	High-performance thermal interface materials consisting of vertically aligned graphene film and polymer. <i>Carbon</i> , 2016, 109, 552-557.	5.4	118
14	Structure of functionalized nitrogen-doped graphene hydrogels derived from isomers of phenylenediamine and graphene oxide based on their high electrochemical performance. <i>Electrochimica Acta</i> , 2016, 212, 828-838.	2.6	38
15	Enhancement of cross-plane thermal conductivity and mechanical strength via vertical aligned carbon nanotube@graphite architecture. <i>Carbon</i> , 2016, 104, 157-168.	5.4	71
16	Highly deformable thermal interface materials enabled by covalently-bonded carbon nanotubes. <i>Carbon</i> , 2016, 106, 152-157.	5.4	49
17	Transport performance in novel elastomer nanocomposites: Mechanism, design and control. <i>Progress in Polymer Science</i> , 2016, 61, 29-66.	11.8	128
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20	Improvement in thermal durability of fluorinated rubber by the addition of single-walled carbon nanotubes as a thermally stable radical scavenger. <i>Polymer</i> , 2017, 119, 112-117.	1.8	26
21	A facile method to prepare flexible boron nitride/poly(vinyl alcohol) composites with enhanced thermal conductivity. <i>Composites Science and Technology</i> , 2017, 149, 41-47.	3.8	170
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