

# CITATION REPORT

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Effect of carbon black structure on the effectiveness of carbon black thermal interface pastes

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#	Paper	IF	Citations
42	Antioxidant-Based Phase-Change Thermal Interface Materials with High Thermal Stability. <i>Journal of Electronic Materials</i> , <b>2008</b> , 37, 448-461	1.9	16
41	Enhancing the thermal conductivity and compressive modulus of carbon fiber polymer matrix composites in the through-thickness direction by nanostructuring the interlaminar interface with carbon black. <i>Carbon</i> , <b>2008</b> , 46, 1060-1071	10.4	73
40	Rheological Behavior of Thermal Interface Pastes. <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 2069-2084	1.9	8
39	Graphite nanoplatelet pastes vs. carbon black pastes as thermal interface materials. <i>Carbon</i> , <b>2009</b> , 47, 295-305	10.4	108
38	Effect of steam activation on the electric conductivity of nanodispersed carbon. <i>Solid Fuel Chemistry</i> , <b>2009</b> , 43, 318-327	0.7	3
37	Microstructure, mechanical properties and thermal shock resistance of zirconium diboride containing silicon carbide ceramic toughened by carbon black. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 122, 470-473	4.4	50
36	Thermal Properties. <i>Engineering Materials and Processes</i> , <b>2010</b> , 277-331		0
35	Carbon Fibers and Nanofillers. <i>Engineering Materials and Processes</i> , <b>2010</b> , 35-46		
34	Composite Materials. <i>Engineering Materials and Processes</i> , <b>2010</b> ,		106
33	Numerical Modeling of the Performance of Thermal Interface Materials in the Form of Paste-Coated Sheets. <i>Journal of Electronic Materials</i> , <b>2011</b> , 40, 1490-1500	1.9	7
32	Flexible graphite modified by carbon black paste for use as a thermal interface material. <i>Carbon</i> , <b>2011</b> , 49, 1075-1086	10.4	27
31	Performance of graphite nanoplatelet/silicone composites as thermal interface adhesives. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2012</b> , 23, 1855-1863	2.1	15
30	Carbon materials for structural self-sensing, electromagnetic shielding and thermal interfacing. <i>Carbon</i> , <b>2012</b> , 50, 3342-3353	10.4	436
29	Effect of processing technique on the transport and mechanical properties of graphite nanoplatelet/rubbery epoxy composites for thermal interface applications. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 132, 63-73	4.4	36
28	Carbon black/graphite nanoplatelet/rubbery epoxy hybrid composites for thermal interface applications. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 1059-1070	4.3	19
27	Enhancing the effectiveness of silicone thermal grease by the addition of functionalized carbon nanotubes. <i>Applied Surface Science</i> , <b>2013</b> , 283, 525-531	6.7	41
26	Viscoelastic behavior of carbon black and its relationship with the aggregate size. <i>Carbon</i> , <b>2013</b> , 60, 346-354		20

25	Effect of the carbon black structure on the stability and efficiency of the conductive network in polyethylene composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 3382-3389	2.9	24
24	Friction and Wearing Behaviour of Sintered Composites Made from Copper Mixed with Carbon Fibers. <i>Key Engineering Materials</i> , <b>2015</b> , 660, 81-85	0.4	1
23	The Synergistic Effects of Carbon Black and Carbon Fibre on the Thermal Conductivity of Silicone Rubber. <i>Polymers and Polymer Composites</i> , <b>2015</b> , 23, 271-276	0.8	10
22	Comparison of carbon nanofiller-based polymer composite adhesives and pastes for thermal interface applications. <i>Materials and Design</i> , <b>2015</b> , 85, 67-75	8.1	17
21	Solder Graphite Network Composite Sheets as High-Performance Thermal Interface Materials. <i>Journal of Electronic Materials</i> , <b>2015</b> , 44, 929-947	1.9	15
20	Effect of boron nitride addition on properties of vapour grown carbon nanofiber/rubbery epoxy composites for thermal interface applications. <i>Composites Science and Technology</i> , <b>2015</b> , 120, 9-16	8.6	29
19	Battery in the Form of a Soil-Matrix Composite. <i>Journal of Energy Engineering - ASCE</i> , <b>2015</b> , 141, 040140137	1.3	4
18	Effects of Carbon Structure and Mixing Sequence in an Expander on the Capacity of Negative Electrodes in a Traction Battery. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 45-52	1.6	3
17	Carbon black and fumed alumina exhibiting high interface-derived mechanical energy dissipation. <i>Carbon</i> , <b>2016</b> , 103, 436-448	10.4	3
16	A review of exfoliated graphite. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 554-568	4.3	144
15	Electrical and morphological properties of microinjection molded polypropylene/carbon nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45462	2.9	21
14	3.23 Polymer Matrix Composite Thermal Materials. <b>2018</b> , 592-612		
13	Possibilities of carbon black recovery from waste tyre pyrolysis to be used as additive in rubber goods -a review-. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 437, 012012	0.4	18
12	Enhanced dynamic mechanical properties of cement paste modified with graphene oxide nanosheets and its reinforcing mechanism. <i>Cement and Concrete Composites</i> , <b>2018</b> , 93, 127-139	8.6	57
11	Particle packing in bimodal size carbon black mixtures and its effect on the properties of styrene-butadiene rubber compounds. <i>Polymer Testing</i> , <b>2019</b> , 78, 106002	4.5	8
10	Carbon Black-Filled Nitrile Rubber Composite as a Flexible Electrode for Electrochemical Synthesis of Supercapacitive Polyaniline. <i>Polymer Composites</i> , <b>2019</b> , 40, E1537-E1547	3	7
9	Formulation of carbon black-ionomer dispersions for thin film formation in fuel cells. <i>Particuology</i> , <b>2019</b> , 44, 7-21	2.8	10
8	Experimental investigation on the influence of carbon-based nanoparticle coating on the heat transfer characteristics of the microprocessor. <i>Journal of Composite Materials</i> , <b>2020</b> , 54, 61-70	2.7	2

7	Performance evaluation of carbon nanoparticle-based thermal interface materials. <i>Diamond and Related Materials</i> , <b>2020</b> , 108, 107976	3.5	4
6	Lignin-based monolithic carbon electrode decorating with RuO <sub>2</sub> nanospheres for high-performance chlorine evolution reaction. <i>Industrial Crops and Products</i> , <b>2021</b> , 159, 113088	5.9	1
5	A review of carbon-based thermal interface materials: Mechanism, thermal measurements and thermal properties. <i>Materials and Design</i> , <b>2021</b> , 209, 109936	8.1	17
4	Variation of air permeability in bromobutyl rubber/epoxidized natural rubber composites: Influence of structure of filler particle. <i>Polymer Engineering and Science</i> ,	2.3	0
3	Performance of Thermal Interface Materials.. <i>Small</i> , <b>2022</b> , e2200693	11	6
2	NiFe single atom catalysts anchored on carbon for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> ,	6.7	1
1	The role of graphene oxide in the strength and vibration characteristics of standard and high-grade cement concrete. <b>2023</b> , 63, 105481		1