

# Xiaoxiang He

## List of Publications by Year in descending order

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13  
papers

493  
citations

932766

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1125271

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docs citations

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times ranked

576  
citing authors

#	ARTICLE	IF	CITATIONS
1	A mini review on factors affecting network in thermally enhanced polymer composites: filler content, shape, size, and tailoring methods. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 21-38.	9.9	48
2	Enhancing the thermal conductivities of aluminum nitride-polydimethylsiloxane composites via tailoring of thermal losses in filler networks. <i>Polymer Composites</i> , 2021, 42, 1338-1346.	2.3	6
3	Enhancing thermal conductivity via conductive network conversion from high to low thermal dissipation in polydimethylsiloxane composites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3463-3475.	2.7	85
4	A mathematical model for predicting conductivity of polymer composites with a forced assembly network obtained by SCFNA method. <i>Polymer Composites</i> , 2019, 40, 1819-1827.	2.3	23
5	Microneedle System for Transdermal Drug and Vaccine Delivery: Devices, Safety, and Prospects. <i>Dose-Response</i> , 2019, 17, 155932581987858.	0.7	75
6	Conductive Polymer Composites from Renewable Resources: An Overview of Preparation, Properties, and Applications. <i>Polymers</i> , 2019, 11, 187.	2.0	97
7	Mechanically Enhanced Electrical Conductivity of Polydimethylsiloxane-Based Composites by a Hot Embossing Process. <i>Polymers</i> , 2019, 11, 56.	2.0	19
8	Enhancing thermal conductivity of polydimethylsiloxane composites through spatially confined network of hybrid fillers. <i>Composites Science and Technology</i> , 2019, 172, 163-171.	3.8	53
9	Fabrication and testing of metal/polymer microstructure heat exchangers based on micro embossed molding method. <i>Microsystem Technologies</i> , 2019, 25, 381-388.	1.2	27
10	Polydimethylsiloxane/aluminum oxide composites prepared by spatial confining forced network assembly for heat conduction and dissipation. <i>RSC Advances</i> , 2018, 8, 36007-36014.	1.7	17
11	Improved thermal conductivity of polydimethylsiloxane/short carbon fiber composites prepared by spatial confining forced network assembly. <i>Journal of Materials Science</i> , 2018, 53, 14299-14310.	1.7	38
12	Visualization experiments on extrudate swell behavior at the microscale. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2015, 229, 34-40.	0.1	0
13	Investigation on optical property of diffuser with 3D microstructures. <i>Optik</i> , 2014, 125, 7186-7190.	1.4	4