Xiaoxiang He

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8078801/publications.pdf

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13	493	932766 10	1125271 13
papers	citations	h-index	g-index

14	14	14	576
all docs	docs citations	times ranked	citing authors

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