

Yifan Li

List of Publications by Year in descending order

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papers

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567281

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517
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional directional cellulose-based carbon aerogels composite phase change materials with enhanced broadband absorption for light-thermal-electric conversion. <i>Energy Conversion and Management</i> , 2022, 256, 115361.	9.2	65
2	The stiffness–thermal conduction relationship at the composite interface: the effect of particle alignment on the long-range confinement of polymer chains monitored by scanning thermal microscopy. <i>Nanoscale</i> , 2018, 10, 1695-1703.	5.6	56
3	Molecular Origin of Efficient Phonon Transfer in Modulated Polymer Blends: Effect of Hydrogen Bonding on Polymer Coil Size and Assembled Microstructure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14204-14212.	3.1	53
4	Expedited Phonon Transfer in Interfacially Constrained Polymer Chain along Self-Organized Amino Acid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12138-12145.	8.0	49
5	Graphite oxide/boron nitride hybrid membranes: The role of cross-plane laminar bonding for a durable membrane with large water flux and high rejection rate. <i>Journal of Membrane Science</i> , 2020, 593, 117401.	8.2	49
6	Reduced wrinkling in GO membrane by grafting basal-plane groups for improved gas and liquid separations. <i>Journal of Membrane Science</i> , 2018, 563, 336-344.	8.2	40
7	Distribution characteristics on droplet deposition of wind field vortex formed by multi-rotor UAV. <i>PLoS ONE</i> , 2019, 14, e0220024.	2.5	40
8	Permselective H ₂ /CO ₂ Separation and Desalination of Hybrid GO/rGO Membranes with Controlled Pre-cross-linking. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28166-28175.	8.0	34
9	Hydrogen-Bond Driven Self-Assembly of Two-Dimensional Supramolecular Melamine-Cyanuric Acid Crystals and Its Self-Alignment in Polymer Composites for Enhanced Thermal Conduction. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1291-1300.	4.4	31
10	Tightly-packed fluorinated graphene aerogel/polydimethylsiloxane composite with excellent thermal management properties. <i>Composites Science and Technology</i> , 2022, 220, 109302.	7.8	31
11	Enhanced thermoelectric performance of F ₄ -TCNQ doped FASn ₃ thin films. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25431-25442.	10.3	25
12	A comprehensive experimental study regarding size dependence on thermal conductivity of graphene oxide nanosheet. <i>International Communications in Heat and Mass Transfer</i> , 2022, 130, 105764.	5.6	25
13	Identification of Thermal Barrier Areas in Graphene Oxide/Boron Nitride Membranes by Scanning Thermal Microscopy: Thermal Conductivity Improvement through Membrane Assembling. <i>ACS Applied Nano Materials</i> , 2021, 4, 4189-4198.	5.0	23
14	Realizing the nanoscale quantitative thermal mapping of scanning thermal microscopy by resilient tip–surface contact resistance models. <i>Nanoscale Horizons</i> , 2018, 3, 505-516.	8.0	21
15	Small Organic Linkers with Hybrid Terminal Groups Drive Efficient Phonon Transport in Polymers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10327-10333.	3.1	20
16	Paving 3D interconnected Cring-C ₃ N ₄ @rGO skeleton for polymer composites with efficient thermal management performance yet high electrical insulation. <i>International Communications in Heat and Mass Transfer</i> , 2022, 135, 106147.	5.6	11
17	Highly Oriented Graphitic Networks Grown by Chemical Vapor Deposition as Thermal Interface Materials. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22501-22508.	3.7	8
18	Experimental identification of topography-based artifact phenomenon for micro-/nanoscale thermal characterization of polymeric materials in scanning thermal microscopy. <i>AIP Advances</i> , 2022, 12, 045311.	1.3	6