

Fei Zhang

List of Publications by Year in descending order

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17
papers

1,117
citations

567281

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888059

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all docs

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docs citations

17
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional interconnected networks for thermally conductive polymer composites: Design, preparation, properties, and mechanisms. <i>Materials Science and Engineering Reports</i> , 2020, 142, 100580.	31.8	261
2	Stress Controllability in Thermal and Electrical Conductivity of 3D Elastic Graphene-Crosslinked Carbon Nanotube Sponge/Polyimide Nanocomposite. <i>Advanced Functional Materials</i> , 2019, 29, 1901383.	14.9	187
3	Highly Transparent, Self-Healable, and Adhesive Organogels for Bio-Inspired Intelligent Ionic Skins. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15657-15666.	8.0	95
4	Two-dimensional gersiloxenes with tunable bandgap for photocatalytic H ₂ evolution and CO ₂ photoreduction to CO. <i>Nature Communications</i> , 2020, 11, 1443.	12.8	84
5	Thermal conductive and flexible silastic composite based on a hierarchical framework of aligned carbon fibers-carbon nanotubes. <i>Carbon</i> , 2018, 131, 149-159.	10.3	81
6	High cross-plane thermally conductive hierarchical composite using graphene-coated vertically aligned carbon nanotubes/graphite. <i>Carbon</i> , 2019, 149, 281-289.	10.3	79
7	Stress-sensitive thermally conductive elastic nanocomposite based on interconnected graphite-welded carbon nanotube sponges. <i>Carbon</i> , 2019, 145, 378-388.	10.3	60
8	3D Interconnected Conductive Graphite Nanoplatelet Welded Carbon Nanotube Networks for Stretchable Conductors. <i>Advanced Functional Materials</i> , 2021, 31, 2107082.	14.9	41
9	Few-layer methyl-terminated germanene-graphene nanocomposite with high capacity for stable lithium storage. <i>Carbon</i> , 2020, 161, 287-298.	10.3	36
10	Micro-diamond assisted bidirectional tuning of thermal conductivity in multifunctional graphene nanoplatelets/nanofibrillated cellulose films. <i>Carbon</i> , 2022, 189, 265-275.	10.3	35
11	Soft Organic Thermoelectric Materials: Principles, Current State of the Art and Applications. <i>Small</i> , 2022, 18, e2104922.	10.0	32
12	Asymmetric self-supporting hybrid fluorinated carbon nanotubes/carbon nanotubes sponge electrode for high-performance lithium-polysulfide battery. <i>Chemical Engineering Journal</i> , 2018, 349, 756-765.	12.7	31
13	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , 2021, 8, 2615-2653.	12.2	30
14	Production of highly-oriented graphite monoliths with high thermal conductivity. <i>Chemical Engineering Journal</i> , 2022, 431, 134102.	12.7	27
15	Lithium Bonds Enable Small Biomass Molecule-Based Ionoelastomers with Multiple Functions for Soft Intelligent Electronics. <i>Small</i> , 2022, 18, e2200421.	10.0	18
16	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. <i>Nanoscale</i> , 2019, 11, 12781-12787.	5.6	15
17	Composite Networks: Stress Controllability in Thermal and Electrical Conductivity of 3D Elastic Graphene-Crosslinked Carbon Nanotube Sponge/Polyimide Nanocomposite (<i>Adv. Funct. Mater.</i> 25/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970173.	14.9	5