

Qiangqiang Zhang

List of Publications by Citations

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33
papers

1,885
citations

18
h-index

34
g-index

34
ext. papers

2,293
ext. citations

10.2
avg, IF

4.89
L-index

#	Paper	IF	Citations
33	3D Printing of Graphene Aerogels. <i>Small</i> , 2016 , 12, 1702-8	11	316
32	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019 , 363, 723-727	33.3	229
31	Self-Sensing, Ultralight, and Conductive 3D Graphene/Iron Oxide Aerogel Elastomer Deformable in a Magnetic Field. <i>ACS Nano</i> , 2015 , 9, 3969-77	16.7	226
30	Naturally Dried Graphene Aerogels with Superelasticity and Tunable Poisson's Ratio. <i>Advanced Materials</i> , 2016 , 28, 9223-9230	24	187
29	Mechanically robust honeycomb graphene aerogel multifunctional polymer composites. <i>Carbon</i> , 2015 , 93, 659-670	10.4	145
28	Hyperbolically Patterned 3D Graphene Metamaterial with Negative Poisson's Ratio and Superelasticity. <i>Advanced Materials</i> , 2016 , 28, 2229-37	24	138
27	Hierarchical NiO Hydroxide Petals on Mechanically Robust Graphene Petal Foam for High-Energy Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2016 , 26, 5460-5470	15.6	117
26	3D superelastic graphene aerogel-nanosheet hybrid hierarchical nanostructures as high-performance supercapacitor electrodes. <i>Carbon</i> , 2018 , 127, 449-458	10.4	82
25	Flyweight, Superelastic, Electrically Conductive, and Flame-Retardant 3D Multi-Nanolayer Graphene/Ceramic Metamaterial. <i>Advanced Materials</i> , 2017 , 29, 1605506	24	55
24	Three-Dimensional Printing Hollow Polymer Template-Mediated Graphene Lattices with Tailorable Architectures and Multifunctional Properties. <i>ACS Nano</i> , 2018 , 12, 1096-1106	16.7	51
23	Self-deicing road system with a CNFP high-efficiency thermal source and MWCNT/cement-based high-thermal conductive composites. <i>Cold Regions Science and Technology</i> , 2013 , 86, 22-35	3.8	51
22	Flyweight 3D Graphene Scaffolds with Microinterface Barrier-Derived Tunable Thermal Insulation and Flame Retardancy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14232-14241	9.5	50
21	Mechanically robust and electrically conductive graphene-paper/glass-fibers/epoxy composites for stimuli-responsive sensors and Joule heating deicers. <i>Carbon</i> , 2017 , 124, 296-307	10.4	38
20	3D Printing of Hierarchical Graphene Lattice for Advanced Na Metal Anodes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3869-3877	6.1	26
19	Crystallization of calcium silicate hydrates on the surface of nanomaterials. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 3227-3238	3.8	25
18	Mechanically robust and size-controlled MoS ₂ /graphene hybrid aerogels as high-performance anodes for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018 , 53, 4482-4493	4.3	23
17	Analytic investigations of CNFP-based self-deicing road system on the deicing performance. <i>Cold Regions Science and Technology</i> , 2014 , 103, 123-132	3.8	20

16	A three-dimensional printed biomimetic hierarchical graphene architecture for high-efficiency solar steam-generation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19387-19395	13	20
15	Outdoor experiment of flexible sandwiched graphite-PET sheets based self-snow-thawing pavement. <i>Cold Regions Science and Technology</i> , 2016 , 122, 10-17	3.8	17
14	Mechanically Robust 3D Graphene-Hydroxyapatite Hybrid Bioscaffolds with Enhanced Osteoconductive and Biocompatible Performance. <i>Crystals</i> , 2018 , 8, 105	2.3	14
13	Fluoroalkyl-silane-modified 3D graphene foam with improved Joule-heating effects and high hydrophobicity-derived anti-icing properties. <i>Journal of Materials Science</i> , 2018 , 53, 528-537	4.3	12
12	3D reduced graphene oxide hybrid nano-copper scaffolds with a high antibacterial performance. <i>Materials Letters</i> , 2020 , 267, 127527	3.3	10
11	Vertically-oriented graphene nanosheet as nano-bridge for pseudocapacitive electrode with ultrahigh electrochemical stability.. <i>RSC Advances</i> , 2018 , 8, 13891-13897	3.7	9
10	A Two-Stage Seismic Damage Assessment Method for Small, Dense, and Imbalanced Buildings in Remote Sensing Images. <i>Remote Sensing</i> , 2022 , 14, 1012	5	7
9	Improvement of the pinning property in YBa ₂ Cu ₃ O _{7-x} films below 35 K by doping with graphene oxide. <i>AIP Advances</i> , 2019 , 9, 015118	1.5	5
8	Three-Dimensional Graphene Hybrid SiO ₂ Hierarchical Dual-Network Aerogel with Low Thermal Conductivity and High Elasticity. <i>Coatings</i> , 2020 , 10, 455	2.9	4
7	Twin-structured Graphene Metamaterials with Anomalous Mechanical Properties.. <i>Advanced Materials</i> , 2022 , e2200444	24	4
6	Three-dimensional-printed hierarchical reduced graphene oxide/ethylenediamine filter with super-high uranyl ions with recycling capacity and unique selectivity. <i>Carbon</i> , 2021 , 182, 1-10	10.4	2
5	Efficient Fabrication of Ultralight YBa ₂ Cu ₃ O _{7-x} Superconductors with Programmable Shape and Structure. <i>Advanced Functional Materials</i> , 2021 , 31, 2100680	15.6	1
4	The self-heating carbon nanofiber polymer composite and its applications in deicing and snow thawing of pavement 2016 , 247-277		1
3	Tunable negative thermal expansion of ultralight ZrW ₂ O ₈ /Graphene hybrid metamaterial. <i>Carbon</i> , 2019 , 153, 32-39	10.4	0
2	Fluidic behaviours in a 2D folded-graphene aerogel monolith. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 425301	3	
1	Three-dimensional meta-architecture with programmable mechanical properties. <i>International Journal of Smart and Nano Materials</i> , 1-14	3.6	