

Qiangqiang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,704
citations

361045

20
h-index

433756

31
g-index

34
all docs

34
docs citations

34
times ranked

3965
citing authors

#	ARTICLE	IF	CITATIONS
1	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019, 363, 723-727.	6.0	429
2	3D Printing of Graphene Aerogels. <i>Small</i> , 2016, 12, 1702-1708.	5.2	427
3	Self-Sensing, Ultralight, and Conductive 3D Graphene/Iron Oxide Aerogel Elastomer Deformable in a Magnetic Field. <i>ACS Nano</i> , 2015, 9, 3969-3977.	7.3	266
4	Naturally Dried Graphene Aerogels with Superelasticity and Tunable Poisson's Ratio. <i>Advanced Materials</i> , 2016, 28, 9223-9230.	11.1	254
5	Mechanically robust honeycomb graphene aerogel multifunctional polymer composites. <i>Carbon</i> , 2015, 93, 659-670.	5.4	182
6	Hyperbolically Patterned 3D Graphene Metamaterial with Negative Poisson's Ratio and Superelasticity. <i>Advanced Materials</i> , 2016, 28, 2229-2237.	11.1	178
7	Hierarchical Ni-Co Hydroxide Petals on Mechanically Robust Graphene Petal Foam for High-Energy Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2016, 26, 5460-5470.	7.8	151
8	3D superelastic graphene aerogel-nanosheet hybrid hierarchical nanostructures as high-performance supercapacitor electrodes. <i>Carbon</i> , 2018, 127, 449-458.	5.4	97
9	Flyweight, Superelastic, Electrically Conductive, and Flame-Retardant 3D Multi-Nanolayer Graphene/Ceramic Metamaterial. <i>Advanced Materials</i> , 2017, 29, 1605506.	11.1	89
10	Three-Dimensional Printing Hollow Polymer Template-Mediated Graphene Lattices with Tailorable Architectures and Multifunctional Properties. <i>ACS Nano</i> , 2018, 12, 1096-1106.	7.3	82
11	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.	1.6	74
12	Flyweight 3D Graphene Scaffolds with Microinterface Barrier-Derived Tunable Thermal Insulation and Flame Retardancy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14232-14241.	4.0	67
13	Mechanically robust and electrically conductive graphene-paper/glass-fibers/epoxy composites for stimuli-responsive sensors and Joule heating heaters. <i>Carbon</i> , 2017, 124, 296-307.	5.4	56
14	Crystallization of calcium silicate hydrates on the surface of nanomaterials. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3227-3238.	1.9	43
15	3D Printing of Hierarchical Graphene Lattice for Advanced Na Metal Anodes. <i>ACS Applied Energy Materials</i> , 2019, 2, 3869-3877.	2.5	40
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.	5.2	34
17	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.	1.7	26
18	Outdoor experiment of flexible sandwiched graphite-PET sheets based self-snow-thawing pavement. <i>Cold Regions Science and Technology</i> , 2016, 122, 10-17.	1.6	24

#	ARTICLE	IF	CITATIONS
19	A Two-Stage Seismic Damage Assessment Method for Small, Dense, and Imbalanced Buildings in Remote Sensing Images. <i>Remote Sensing</i> , 2022, 14, 1012.	1.8	24
20	Analytic investigations of CNFP-based self-deicing road system on the deicing performance. <i>Cold Regions Science and Technology</i> , 2014, 103, 123-132.	1.6	21
21	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.	5.4	19
22	3D reduced graphene oxide hybrid nano-copper scaffolds with a high antibacterial performance. <i>Materials Letters</i> , 2020, 267, 127527.	1.3	18
23	Mechanically Robust 3D Graphene-Hydroxyapatite Hybrid Bioscaffolds with Enhanced Osteoconductive and Biocompatible Performance. <i>Crystals</i> , 2018, 8, 105.	1.0	17
24	Twin-Structured Graphene Metamaterials with Anomalous Mechanical Properties. <i>Advanced Materials</i> , 2022, 34, e2200444.	11.1	17
25	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.	1.7	15
26	Vertically-oriented graphene nanosheet as nano-bridge for pseudocapacitive electrode with ultrahigh electrochemical stability. <i>RSC Advances</i> , 2018, 8, 13891-13897.	1.7	11
27	Efficient Fabrication of Ultralight $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Superconductors with Programmable Shape and Structure. <i>Advanced Functional Materials</i> , 2021, 31, 2100680.	7.8	10
28	Three-Dimensional Graphene Hybrid SiO_2 Hierarchical Dual-Network Aerogel with Low Thermal Conductivity and High Elasticity. <i>Coatings</i> , 2020, 10, 455.	1.2	9
29	Improvement of the pinning property in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films below 35 K by doping with graphene oxide. <i>AIP Advances</i> , 2019, 9, .	0.6	7
30	Three-dimensional meta-architecture with programmable mechanical properties. <i>International Journal of Smart and Nano Materials</i> , 2022, 13, 152-165.	2.0	7
31	Tunable negative thermal expansion of ultralight ZrW_2O_8 /Graphene hybrid metamaterial. <i>Carbon</i> , 2019, 153, 32-39.	5.4	6
32	The self-heating carbon nanofiber polymer composite and its applications in deicing and snow thawing of pavement. , 2016, , 247-277.		4
33	Fluidic behaviours in a 2D folded-graphene aerogel monolith. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 425301.	1.3	0