

Jiaoxia Zhang

List of Publications by Year in descending order

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53
papers

5,481
citations

76196

40
h-index

168136

53
g-index

53
all docs

53
docs citations

53
times ranked

5864
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> grown nickel selenide on graphene nanohybrid electrodes for high energy density asymmetric supercapacitors. <i>Nanoscale</i> , 2018, 10, 20414-20425.	2.8	332
2	An overview of stretchable strain sensors from conductive polymer nanocomposites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11710-11730.	2.7	315
3	Bio-gel derived nickel/carbon nanocomposites with enhanced microwave absorption. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8812-8822.	2.7	301
4	Highly efficient uranium adsorption by salicylaldoxime/polydopamine graphene oxide nanocomposites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24676-24685.	5.2	281
5	Reduced Graphene Oxide Heterostructured Silver Nanoparticles Significantly Enhanced Thermal Conductivities in Hot-Pressed Electrospun Polyimide Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25465-25473.	4.0	277
6	Nanocomposite sponges of sodium alginate/graphene oxide/polyvinyl alcohol as potential wound dressing: In vitro and in vivo evaluation. <i>Composites Part B: Engineering</i> , 2019, 167, 396-405.	5.9	258
7	An overview of lead-free piezoelectric materials and devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12446-12467.	2.7	256
8	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21904-21914.	4.0	228
9	Reinforcing carbon fiber epoxy composites with triazine derivatives functionalized graphene oxide modified sizing agent. <i>Composites Part B: Engineering</i> , 2019, 176, 107078.	5.9	204
10	Superhydrophobic/Superoleophilic Polycarbonate/Carbon Nanotubes Porous Monolith for Selective Oil Adsorption from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13747-13755.	3.2	198
11	The graphene/lanthanum oxide nanocomposites as electrode materials of supercapacitors. <i>Journal of Power Sources</i> , 2019, 419, 99-105.	4.0	191
12	Ultrathin high-performance electromagnetic wave absorbers with facilely fabricated hierarchical porous Co/C crabapples. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1659-1669.	2.7	181
13	Graphene oxide based dopamine mussel-like cross-linked polyethylene imine nanocomposite coating with enhanced hexavalent uranium adsorption. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16902-16911.	5.2	156
14	Excellent corrosion protection performance of epoxy composite coatings filled with silane functionalized silicon nitride. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	152
15	Constructing fully carbon-based fillers with a hierarchical structure to fabricate highly thermally conductive polyimide nanocomposites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7035-7044.	2.7	130
16	N self-doped ZnO derived from microwave hydrothermal synthesized zeolitic imidazolate framework-8 toward enhanced photocatalytic degradation of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 142-155.	5.0	126
17	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. <i>ChemNanoMat</i> , 2020, 6, 174-184.	1.5	112
18	A solvent-free graphene oxide nanoribbon colloid as filler phase for epoxy-matrix composites with enhanced mechanical, thermal and tribological performance. <i>Carbon</i> , 2016, 96, 40-48.	5.4	98

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19	Solvent-free graphene liquids: Promising candidates for lubricants without the base oil. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 159-167.	5.0	98
20	Potassium Hydroxide Activated and Nitrogen Doped Graphene with Enhanced Supercapacitive Behavior. <i>Science of Advanced Materials</i> , 2018, 10, 937-949.	0.1	98
21	Friction and Wear of MoO ₃ /Graphene Oxide Modified Glass Fiber Reinforced Epoxy Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900166.	1.7	87
22	3-Dimensional graphene/Cu/Fe ₃ O ₄ composites: Immobilized laccase electrodes for detecting bisphenol A. <i>Journal of Materials Research</i> , 2019, 34, 2964-2975.	1.2	86
23	Tunable negative permittivity and magnetic performance of yttrium iron garnet/polypyrrole metamaterials at the RF frequency. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3160-3167.	2.7	82
24	Continuously fabricated transparent conductive polycarbonate/carbon nanotube nanocomposite films for switchable thermochromic applications. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8360-8371.	2.7	79
25	Antifouling and antibacterial behaviors of capsaicin-based pH responsive smart coatings in marine environments. <i>Materials Science and Engineering C</i> , 2020, 108, 110361.	3.8	74
26	Effect of graphene liquid crystal on dielectric properties of polydimethylsiloxane nanocomposites. <i>Composites Part B: Engineering</i> , 2019, 176, 107338.	5.9	71
27	Alternating Multilayer Structural Epoxy Composite Coating for Corrosion Protection of Steel. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900374.	1.7	71
28	Experimental study on thermal expansion coefficient of composite multi-layered flaky gun propellants. <i>Composites Part B: Engineering</i> , 2019, 166, 428-435.	5.9	71
29	Enhanced Photocatalytic Activity of B, N-Codoped TiO ₂ by a New Molten Nitrate Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 839-849.	0.9	63
30	Introducing advanced composites and hybrid materials. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 1-5.	9.9	57
31	Corn stover-derived biochar for efficient adsorption of oxytetracycline from wastewater. <i>Journal of Materials Research</i> , 2019, 34, 3050-3060.	1.2	57
32	Polyaniline crystalline nanostructures dependent negative permittivity metamaterials. <i>Polymer</i> , 2020, 188, 122129.	1.8	53
33	2-(3,4-Epoxy) ethyltriethoxysilane-modified waterborne acrylic resin: Preparation and property analysis. <i>Polymer</i> , 2020, 190, 122196.	1.8	52
34	Remarkably Strengthened microinjection molded linear low-density polyethylene (LLDPE) via multi-walled carbon nanotubes derived nanohybrid shish-kebab structure. <i>Composites Part B: Engineering</i> , 2019, 167, 362-369.	5.9	48
35	Assessment of the electrochemical behaviour of silicon@carbon nanocomposite anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154644.	2.8	48
36	The synthesis of functionalized carbon nanotubes by hyperbranched poly(amine-ester) with liquid-like behavior at room temperature. <i>Polymer</i> , 2009, 50, 2953-2957.	1.8	47

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37	Interfacial Engineering for High-Efficiency Nanorod Array-Structured Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33770-33780.	4.0	47
38	Preparation and Characterization of Mesoporous CuO/ZSM-5 Catalysts for Automotive Exhaust Purification. <i>Science of Advanced Materials</i> , 2019, 11, 1198-1205.	0.1	46
39	Low optical dosage heating-reduced viscosity for fast and large-scale cleanup of spilled crude oil by reduced graphene oxide melamine nanocomposite adsorbents. <i>Nanotechnology</i> , 2020, 31, 225402.	1.3	43
40	One-step co-precipitation synthesis of novel BiOCl/CeO ₂ composites with enhanced photodegradation of rhodamine B. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1345-1361.	3.0	42
41	Processing conditions dependent tunable negative permittivity in reduced graphene oxide-alumina nanocomposites. <i>Ceramics International</i> , 2019, 45, 17784-17792.	2.3	40
42	GO/TiO ₂ composites as a highly active photocatalyst for the degradation of methyl orange. <i>Journal of Materials Research</i> , 2020, 35, 1307-1315.	1.2	39
43	The Graphene Oxide Ionic Solvent-Free Nanofluids and Their Battery Performances. <i>Science of Advanced Materials</i> , 2018, 10, 1706-1713.	0.1	30
44	Plasmon-Enhanced Perovskite Solar Cells with Efficiency Beyond 21%: The Asynchronous Synergistic Effect of Water and Gold Nanorods. <i>ChemPlusChem</i> , 2021, 86, 291-297.	1.3	29
45	Overview of the Experimental Trends in Water-Assisted Injection Molding. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800035.	1.7	26
46	Direct Observation of Stable Negative Capacitance in SrTiO ₃ @BaTiO ₃ Heterostructure. <i>Advanced Electronic Materials</i> , 2020, 6, 1901005.	2.6	26
47	Polystyrene Foam with High Cell Density and Small Cell Size by Compression-Injection Molding and Core Back Foaming Technique: Evolution of Cells in Cavity. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800110.	1.7	24
48	Thermomechanical investigation on the effect of nitroguanidine on the thermal expansion coefficient and glass transition temperature of double-base gun propellant. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4264-4272.	2.6	16
49	Hydroxyapatite (HA) Modified Nanocoating Enhancement on AZ31 Mg Alloy by Combined Surface Mechanical Attrition Treatment and Electrochemical Deposition Approach. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 810-818.	0.9	14
50	One-pot microwave-hydrothermally synthesized carbon nanotube-cerium oxide nanocomposites for enhanced visible photodegradation of acid orange 7. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23743-23753.	1.3	10
51	Core-shell Fe ₃ O ₄ @catechol-formaldehyde trapped satellite-like silver nanoparticles toward catalytic reduction in cationic and anionic dyes. <i>Vacuum</i> , 2022, 202, 111204.	1.6	6
52	MXene-derived TiO ₂ /MXene-loaded Ag for the degradation of the methyl orange. <i>Journal of Materials Research</i> , 2021, 36, 5002-5012.	1.2	4
53	Photocatalytic oxidative degradation of methyl orange by a novel g-C ₃ N ₄ @ZnO based on graphene oxide composites with ternary heterojunction construction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 1651-1664.	0.8	1