Jiaoxia Zhang

List of Publications by Year
in descending order

53	5,481	76326 40	168389 53
papers	citations	h-index	g-index

53	53	53	5864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In situ grown nickel selenide on graphene nanohybrid electrodes for high energy density asymmetric supercapacitors. Nanoscale, 2018, 10, 20414-20425.	5.6	332
2	An overview of stretchable strain sensors from conductive polymer nanocomposites. Journal of Materials Chemistry C, 2019, 7, 11710-11730.	5.5	315
3	Bio-gel derived nickel/carbon nanocomposites with enhanced microwave absorption. Journal of Materials Chemistry C, 2018, 6, 8812-8822.	5.5	301
4	Highly efficient uranium adsorption by salicylaldoxime/polydopamine graphene oxide nanocomposites. Journal of Materials Chemistry A, 2018, 6, 24676-24685.	10.3	281
5	Reduced Graphene Oxide Heterostructured Silver Nanoparticles Significantly Enhanced Thermal Conductivities in Hot-Pressed Electrospun Polyimide Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 25465-25473.	8.0	277
6	Nanocomposite sponges of sodium alginate/graphene oxide/polyvinyl alcohol as potential wound dressing: In vitro and in vivo evaluation. Composites Part B: Engineering, 2019, 167, 396-405.	12.0	258
7	An overview of lead-free piezoelectric materials and devices. Journal of Materials Chemistry C, 2018, 6, 12446-12467.	5.5	256
8	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. ACS Applied Materials & Interfaces, 2019, 11, 21904-21914.	8.0	228
9	Reinforcing carbon fiber epoxy composites with triazine derivatives functionalized graphene oxide modified sizing agent. Composites Part B: Engineering, 2019, 176, 107078.	12.0	204
10	Superhydrophobic/Superoleophilic Polycarbonate/Carbon Nanotubes Porous Monolith for Selective Oil Adsorption from Water. ACS Sustainable Chemistry and Engineering, 2018, 6, 13747-13755.	6.7	198
11	The graphene/lanthanum oxide nanocomposites as electrode materials of supercapacitors. Journal of Power Sources, 2019, 419, 99-105.	7.8	191
12	Ultrathin high-performance electromagnetic wave absorbers with facilely fabricated hierarchical porous Co/C crabapples. Journal of Materials Chemistry C, 2019, 7, 1659-1669.	5.5	181
13	Graphene oxide based dopamine mussel-like cross-linked polyethylene imine nanocomposite coating with enhanced hexavalent uranium adsorption. Journal of Materials Chemistry A, 2019, 7, 16902-16911.	10.3	156
14	Excellent corrosion protection performance of epoxy composite coatings filled with silane functionalized silicon nitride. Journal of Polymer Research, 2018, 25, 1.	2.4	152
15	Constructing fully carbon-based fillers with a hierarchical structure to fabricate highly thermally conductive polyimide nanocomposites. Journal of Materials Chemistry C, 2019, 7, 7035-7044.	5.5	130
16	N self-doped ZnO derived from microwave hydrothermal synthesized zeolitic imidazolate framework-8 toward enhanced photocatalytic degradation of methylene blue. Journal of Colloid and Interface Science, 2020, 565, 142-155.	9.4	126
17	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. ChemNanoMat, 2020, 6, 174-184.	2.8	112
18	A solvent-free graphene oxide nanoribbon colloid as filler phase for epoxy-matrix composites with enhanced mechanical, thermal and tribological performance. Carbon, 2016, 96, 40-48.	10.3	98

#	Article	IF	Citations
19	Solvent-free graphene liquids: Promising candidates for lubricants without the base oil. Journal of Colloid and Interface Science, 2019, 542, 159-167.	9.4	98
20	Potassium Hydroxide Activated and Nitrogen Doped Graphene with Enhanced Supercapacitive Behavior. Science of Advanced Materials, 2018, 10, 937-949.	0.7	98
21	Friction and Wear of MoO₃/Graphene Oxide Modified Glass Fiber Reinforced Epoxy Nanocomposites. Macromolecular Materials and Engineering, 2019, 304, 1900166.	3.6	87
22	3-Dimensional graphene/Cu/Fe₃O₄ composites: Immobilized laccase electrodes for detecting bisphenol A. Journal of Materials Research, 2019, 34, 2964-2975.	2.6	86
23	Tunable negative permittivity and magnetic performance of yttrium iron garnet/polypyrrole metacomposites at the RF frequency. Journal of Materials Chemistry C, 2019, 7, 3160-3167.	5.5	82
24	Continuously fabricated transparent conductive polycarbonate/carbon nanotube nanocomposite films for switchable thermochromic applications. Journal of Materials Chemistry C, 2018, 6, 8360-8371.	5.5	79
25	Antifouling and antibacterial behaviors of capsaicin-based pH responsive smart coatings in marine environments. Materials Science and Engineering C, 2020, 108, 110361.	7.3	74
26	Effect of graphene liquid crystal on dielectric properties of polydimethylsiloxane nanocomposites. Composites Part B: Engineering, 2019, 176, 107338.	12.0	71
27	Alternating Multilayer Structural Epoxy Composite Coating for Corrosion Protection of Steel. Macromolecular Materials and Engineering, 2019, 304, 1900374.	3.6	71
28	Experimental study on thermal expansion coefficient of composite multi-layered flaky gun propellants. Composites Part B: Engineering, 2019, 166, 428-435.	12.0	71
29	Enhanced Photocatalytic Activity of B, N-Codoped TiO₂ by a New Molten Nitrate Process. Journal of Nanoscience and Nanotechnology, 2019, 19, 839-849.	0.9	63
30	Introducing advanced composites and hybrid materials. Advanced Composites and Hybrid Materials, 2018, 1, 1-5.	21.1	57
31	Corn stoverâ€“derived biochar for efficient adsorption of oxytetracycline from wastewater. Journal of Materials Research, 2019, 34, 3050-3060.	2.6	57
32	Polyaniline crystalline nanostructures dependent negative permittivity metamaterials. Polymer, 2020, 188, 122129.	3.8	53
33	2-(3,4-Epoxy) ethyltriethoxysilane-modified waterborne acrylic resin: Preparation and property analysis. Polymer, 2020, 190, 122196.	3.8	52
34	Remarkably Strengthened microinjection molded linear low-density polyethylene (LLDPE) via multi-walled carbon nanotubes derived nanohybrid shish-kebab structure. Composites Part B: Engineering, 2019, 167, 362-369.	12.0	48
35	Assessment of the electrochemical behaviour of silicon@carbon nanocomposite anode for lithium-ion batteries. Journal of Alloys and Compounds, 2020, 832, 154644.	5.5	48
36	The synthesis of functionalized carbon nanotubes by hyperbranched poly(amine-ester) with liquid-like behavior at room temperature. Polymer, 2009, 50, 2953-2957.	3.8	47

#	Article	IF	Citations
37	Interfacial Engineering for High-Efficiency Nanorod Array-Structured Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 33770-33780.	8.0	47
38	Preparation and Characterization of Mesoporous CuO/ZSM-5 Catalysts for Automotive Exhaust Purification. Science of Advanced Materials, 2019, 11, 1198-1205.	0.7	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. Nanotechnology, 2020, 31, 225402.	2.6	43
40	One-step co-precipitation synthesis of novel BiOCl/CeO₂composites with enhanced photodegradation of rhodamine B. Inorganic Chemistry Frontiers, 2020, 7, 1345-1361.	6.0	42
41	Processing conditions dependent tunable negative permittivity in reduced graphene oxide-alumina nanocomposites. Ceramics International, 2019, 45, 17784-17792.	4.8	40
42	GO/TiO₂ composites as a highly active photocatalyst for the degradation of methyl orange. Journal of Materials Research, 2020, 35, 1307-1315.	2.6	39
43	The Graphene Oxide Ionic Solvent-Free Nanofluids and Their Battery Performances. Science of Advanced Materials, 2018, 10, 1706-1713.	0.7	30
44	Plasmonâ€Enhanced Perovskite Solar Cells with Efficiency Beyond 21â€‰%: The Asynchronous Synergistic Effect of Water and Gold Nanorods. ChemPlusChem, 2021, 86, 291-297.	2.8	29
45	Overview of the Experimental Trends in Waterâ€Assisted Injection Molding. Macromolecular Materials and Engineering, 2018, 303, 1800035.	3.6	26
46	Direct Observation of Stable Negative Capacitance in SrTiO₃@BaTiO₃ Heterostructure. Advanced Electronic Materials, 2020, 6, 1901005.	5.1	26
47	Polystyrene Foam with High Cell Density and Small Cell Size by Compressionâ€Injection Molding and Core Back Foaming Technique: Evolution of Cells in Cavity. Macromolecular Materials and Engineering, 2018, 303, 1800110.	3.6	24
48	Thermomechanical investigation on the effect of nitroguanidine on the thermal expansion coefficient and glass transition temperature of double-base gun propellant. Journal of Materials Research and Technology, 2019, 8, 4264-4272.	5.8	16
49	Hydroxyapatite (HA) Modified Nanocoating Enhancement on AZ31 Mg Alloy by Combined Surface Mechanical Attrition Treatment and Electrochemical Deposition Approach. Journal of Nanoscience and Nanotechnology, 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. Physical Chemistry Chemical Physics, 2020, 22, 23743-23753.	2.8	10
51	Core-shell Fe3O4@catechol-formaldehyde trapped satellite-like silver nanoparticles toward catalytic reduction in cationic and anionic dyes. Vacuum, 2022, 202, 111204.	3.5	6
52	MXene-derived TiO2/MXene-loaded Ag for the degradation of the methyl orange. Journal of Materials Research, 2021, 36, 5002-5012.	2.6	4
53	Photocatalytic oxidative degradation of methyl orange by a novel g-C3N4@ZnO based on graphene oxide composites with ternary heterojunction construction. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 1651-1664.	1.7	1