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	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
2	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
3	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
4	MXene-derived TiO2/MXene-loaded Ag for the degradation of the methyl orange. Journal of Materials Research, 2021, 36, 5002-5012.	2.6	4
5	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
6	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. ChemNanoMat, 2020, 6, 174-184.	2.8	112
7	Polyaniline crystalline nanostructures dependent negative permittivity metamaterials. Polymer, 2020, 188, 122129.	3.8	53
8	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
9	Direct Observation of Stable Negative Capacitance in SrTiO₃@BaTiO₃ Heterostructure. Advanced Electronic Materials, 2020, 6, 1901005.	5.1	26
10	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
11	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
12	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
13	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
14	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
15	2-(3,4-Epoxy) ethyltriethoxysilane-modified waterborne acrylic resin: Preparation and property analysis. Polymer, 2020, 190, 122196.	3.8	52
16	Interfacial Engineering for High-Efficiency Nanorod Array-Structured Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 33770-33780.	8.0	47
17	Effect of graphene liquid crystal on dielectric properties of polydimethylsiloxane nanocomposites. Composites Part B: Engineering, 2019, 176, 107338.	12.0	71
18	Friction and Wear of MoO₃/Graphene Oxide Modified Glass Fiber Reinforced Epoxy Nanocomposites. Macromolecular Materials and Engineering, 2019, 304, 1900166.	3.6	87

#	Article	IF	Citations
19	Reinforcing carbon fiber epoxy composites with triazine derivatives functionalized graphene oxide modified sizing agent. Composites Part B: Engineering, 2019, 176, 107078.	12.0	204
20	Alternating Multilayer Structural Epoxy Composite Coating for Corrosion Protection of Steel. Macromolecular Materials and Engineering, 2019, 304, 1900374.	3.6	71
21	3-Dimensional graphene/Cu/Fe₃O₄ composites: Immobilized laccase electrodes for detecting bisphenol A. Journal of Materials Research, 2019, 34, 2964-2975.	2.6	86
22	An overview of stretchable strain sensors from conductive polymer nanocomposites. Journal of Materials Chemistry C, 2019, 7, 11710-11730.	5.5	315
23	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
24	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
25	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
26	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
27	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
28	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
29	Corn stoverâ€“derived biochar for efficient adsorption of oxytetracycline from wastewater. Journal of Materials Research, 2019, 34, 3050-3060.	2.6	57
30	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
31	Processing conditions dependent tunable negative permittivity in reduced graphene oxide-alumina nanocomposites. Ceramics International, 2019, 45, 17784-17792.	4.8	40
32	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
33	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
34	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
35	The graphene/lanthanum oxide nanocomposites as electrode materials of supercapacitors. Journal of Power Sources, 2019, 419, 99-105.	7.8	191
36	Experimental study on thermal expansion coefficient of composite multi-layered flaky gun propellants. Composites Part B: Engineering, 2019, 166, 428-435.	12.0	71

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37	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
38	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
39	Preparation and Characterization of Mesoporous CuO/ZSM-5 Catalysts for Automotive Exhaust Purification. Science of Advanced Materials, 2019, 11, 1198-1205.	0.7	46
40	Introducing advanced composites and hybrid materials. Advanced Composites and Hybrid Materials, 2018, 1, 1-5.	21.1	57
41	Excellent corrosion protection performance of epoxy composite coatings filled with silane functionalized silicon nitride. Journal of Polymer Research, 2018, 25, 1.	2.4	152
42	An overview of lead-free piezoelectric materials and devices. Journal of Materials Chemistry C, 2018, 6, 12446-12467.	5.5	256
43	In situ grown nickel selenide on graphene nanohybrid electrodes for high energy density asymmetric supercapacitors. Nanoscale, 2018, 10, 20414-20425.	5.6	332
44	Highly efficient uranium adsorption by salicylaldoxime/polydopamine graphene oxide nanocomposites. Journal of Materials Chemistry A, 2018, 6, 24676-24685.	10.3	281
45	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
46	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
47	Overview of the Experimental Trends in Waterâ€Assisted Injection Molding. Macromolecular Materials and Engineering, 2018, 303, 1800035.	3.6	26
48	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
49	Bio-gel derived nickel/carbon nanocomposites with enhanced microwave absorption. Journal of Materials Chemistry C, 2018, 6, 8812-8822.	5.5	301
50	Potassium Hydroxide Activated and Nitrogen Doped Graphene with Enhanced Supercapacitive Behavior. Science of Advanced Materials, 2018, 10, 937-949.	0.7	98
51	The Graphene Oxide Ionic Solvent-Free Nanofluids and Their Battery Performances. Science of Advanced Materials, 2018, 10, 1706-1713.	0.7	30
52	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
53	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