

Xinli Guo

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,437
citations

236925

25
h-index

197818

49
g-index

51
all docs

51
docs citations

51
times ranked

2401
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfur-doped g-C ₃ N ₄ /rGO porous nanosheets for highly efficient photocatalytic degradation of refractory contaminants. <i>Journal of Materials Science and Technology</i> , 2020, 41, 117-126.	10.7	220
2	Mechanical behavior and toughening mechanism of polycarboxylate superplasticizer modified graphene oxide reinforced cement composites. <i>Composites Part B: Engineering</i> , 2017, 113, 308-316.	12.0	182
3	N/S co-doped three-dimensional graphene hydrogel for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 278, 51-60.	5.2	136
4	An intensive review on the role of graphene oxide in cement-based materials. <i>Construction and Building Materials</i> , 2020, 241, 117939.	7.2	124
5	Ni-Co Selenide Nanosheet/3D Graphene/Nickel Foam Binder-Free Electrode for High-Performance Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7946-7953.	8.0	120
6	Graphene Mode-Locked Fiber Laser at 2.8 μm . <i>IEEE Photonics Technology Letters</i> , 2016, 28, 7-10.	2.5	119
7	Investigation of dispersion behavior of GO modified by different water reducing agents in cement pore solution. <i>Carbon</i> , 2018, 127, 255-269.	10.3	118
8	Investigation of the effectiveness of PC@GO on the reinforcement for cement composites. <i>Construction and Building Materials</i> , 2016, 113, 470-478.	7.2	116
9	Synergistic effects of silica nanoparticles/polycarboxylate superplasticizer modified graphene oxide on mechanical behavior and hydration process of cement composites. <i>RSC Advances</i> , 2017, 7, 16688-16702.	3.6	99
10	Microwave-synthesis of g-C ₃ N ₄ nanoribbons assembled seaweed-like architecture with enhanced photocatalytic property. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118624.	20.2	92
11	Modulating Mn ⁴⁺ Ions and Oxygen Vacancies in Nonstoichiometric LaMnO ₃ Perovskite by a Facile Sol-Gel Method as High-Performance Supercapacitor Electrodes. <i>Electrochimica Acta</i> , 2017, 253, 422-429.	5.2	91
12	Hydration kinetics, pore structure, 3D network calcium silicate hydrate, and mechanical behavior of graphene oxide reinforced cement composites. <i>Construction and Building Materials</i> , 2018, 190, 150-163.	7.2	90
13	Rapid Microwave Synthesis of Mesoporous Oxygen-Doped g-C ₃ N ₄ with Carbon Vacancies for Efficient Photocatalytic H ₂ O ₂ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6788-6798.	6.7	71
14	Fabrication of Li ₄ Ti ₅ O ₁₂ -TiO ₂ Nanosheets with Structural Defects as High-Rate and Long-Life Anodes for Lithium-Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 2960.	3.3	54
15	Porous graphene paper for supercapacitor applications. <i>Journal of Materials Science and Technology</i> , 2017, 33, 793-799.	10.7	54
16	In-situ hybridization of polyaniline nanofibers on functionalized reduced graphene oxide films for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 285, 221-229.	5.2	54
17	Plasma-induced hierarchical amorphous carbon nitride nanostructure with two N ₂ C-site vacancies for photocatalytic H ₂ O ₂ production. <i>Applied Catalysis B: Environmental</i> , 2022, 311, 121372.	20.2	54
18	One-step microwave-hydrothermal preparation of NiS/rGO hybrid for high-performance symmetric solid-state supercapacitor. <i>Applied Surface Science</i> , 2020, 514, 146080.	6.1	50

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19	A Brief Review of the Shape Memory Phenomena in Polymers and Their Typical Sensor Applications. <i>Polymers</i> , 2019, 11, 1049.	4.5	48
20	Template-free preparation of non-metal (B, P, S) doped g-C ₃ N ₄ tubes with enhanced photocatalytic H ₂ O ₂ generation. <i>Journal of Materials Science and Technology</i> , 2021, 95, 127-135.	10.7	41
21	Deep research about the mechanisms of graphene oxide (GO) aggregation in alkaline cement pore solution. <i>Construction and Building Materials</i> , 2020, 247, 118446.	7.2	39
22	Self-Assembly of Ni-Doped Co-MOF Spherical Shell Electrode for a High-Performance Supercapacitor. <i>Energy & Fuels</i> , 2022, 36, 1716-1725.	5.1	39
23	Toward advanced sodium-ion batteries: a wheel-inspired yolk-shell design for large-volume-change anode materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13153-13163.	10.3	30
24	Magnetic Mn-Doped Fe ₃ O ₄ hollow Microsphere/RGO heterogeneous Photo-Fenton Catalyst for high efficiency degradation of organic pollutant at neutral pH. <i>Materials Chemistry and Physics</i> , 2019, 238, 121893.	4.0	29
25	Experimental and molecular dynamics studies on the durability of sustainable cement-based composites: Reinforced by graphene. <i>Construction and Building Materials</i> , 2020, 257, 119566.	7.2	27
26	Au nanoparticles decorated graphene/nickel foam nanocomposite for sensitive detection of hydrogen peroxide. <i>Journal of Materials Science and Technology</i> , 2017, 33, 246-250.	10.7	25
27	High performance Bi ₂ O ₂ CO ₃ /rGO electrode material for asymmetric solid-state supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157394.	5.5	24
28	Construction of high-performance asymmetric supercapacitor based on the hierarchical Ni ₃ S ₂ /CoFe LDH/Ni foam hybrid. <i>Applied Surface Science</i> , 2021, 561, 150049.	6.1	24
29	In-situ construction of morphology-controllable 0D/1D g-C ₃ N ₄ homojunction with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2021, 563, 150317.	6.1	24
30	Plasma-Tuned nitrogen vacancy graphitic carbon nitride sphere for efficient photocatalytic H ₂ O ₂ production. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 75-85.	9.4	22
31	Synthesis of g-C ₃ N ₄ microrods with superficial C, N dual vacancies for enhanced photocatalytic organic pollutant removal and H ₂ O ₂ production. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164028.	5.5	22
32	S, Na Co-Doped Graphitic Carbon Nitride/Reduced Graphene Oxide Hollow Mesoporous Spheres for Photoelectrochemical Catalysis Application. <i>ACS Applied Nano Materials</i> , 2020, 3, 7982-7991.	5.0	21
33	Direct growth of graphene on vertically standing glass by a metal-free chemical vapor deposition method. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1919-1924.	10.7	20
34	Graphene-Carbon nanotube @ cobalt derivatives from ZIF-67 for All-Solid-State asymmetric supercapacitor. <i>Applied Surface Science</i> , 2021, 568, 150929.	6.1	20
35	An investigation into the dynamic indentation response of metallic materials. <i>Journal of Materials Science</i> , 2016, 51, 8310-8322.	3.7	16
36	High-performance Cu nanoparticles/three-dimensional graphene/Ni foam hybrid for catalytic and sensing applications. <i>Nanotechnology</i> , 2018, 29, 145703.	2.6	16

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37	High performance Ni ₃ S ₂ /3D graphene/nickel foam composite electrode for supercapacitor applications. <i>Materials Chemistry and Physics</i> , 2021, 257, 123769.	4.0	16
38	Carbon-coated Li ₄ Ti ₅ O ₁₂ TiO ₂ microspheres as anode materials for lithium ion batteries. <i>Surface Engineering</i> , 2017, 33, 559-566.	2.2	15
39	High-Performance Nickel Cobalt Hydroxide Nanosheets/Graphene/Ni foam Composite Electrode for Supercapacitor Applications. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115543.	3.8	13
40	SnO ₂ nanorods encapsulated within a 3D interconnected graphene network architecture as high-performance lithium-ion battery anodes. <i>Sustainable Energy and Fuels</i> , 2018, 2, 262-270.	4.9	12
41	Room temperature ferromagnetic Zn _{0.98} Co _{0.02} O powders with improved visible-light photocatalysis. <i>RSC Advances</i> , 2016, 6, 6761-6767.	3.6	9
42	Fabrication of multilayered MoS ₂ coated raspberry-like TiO ₂ on rGO with enhanced photocatalytic reduction of Cr(VI). <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12901-12910.	2.2	9
43	Growth of graphene/Ag nanowire/graphene sandwich films for transparent touch-sensitive electrodes. <i>Materials Chemistry and Physics</i> , 2019, 221, 78-88.	4.0	8
44	Oxygen vacancies mediated ferromagnetism in hydrogenated Zn _{0.9} Co _{0.1} O film. <i>AIP Advances</i> , 2018, 8, .	1.3	6
45	In-situ microwave synthesis of metal-organic framework-derived mesoporous polymorphic CoSe ₂ @N-doped carbon for supercapacitor applications. <i>Materials Chemistry and Physics</i> , 2022, 287, 126311.	4.0	6
46	Ferroelectric and piezoelectric properties of Ba(Ti _{0.89} Sn _{0.11})O ₃ thin films prepared by sol-gel method. <i>Chemical Physics Letters</i> , 2015, 638, 168-172.	2.6	5
47	Facile preparation of graphene nanowalls/EVA hybrid film for ultraflexible transparent electrodes. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1473-1480.	2.5	2
48	Enhanced photocatalytic activity based on TiO ₂ hollow hierarchical microspheres/reduced graphene hybrid. <i>Materials Research Express</i> , 2019, 6, 025909.	1.6	2
49	Thickness-dependent frictional behavior of topological insulator Bi ₂ Se ₃ nanoplates. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	2
50	The IV period transition metal modified carbon@TiO ₂ nanoflower with high photo-electrochemical water oxidation performance under solar irradiation. <i>Applied Surface Science</i> , 2019, 493, 795-806.	6.1	1
51	Au/ITO dual-layer-coated optical fiber probe for multifunctional scanning tunneling microscopy. <i>Nanotechnology</i> , 2010, 21, 045204.	2.6	0