Guizhen Wang

List of Publications by Year
in descending order

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105	5,991	66343	71685
papers	citations	42	76
		h-index	g-index

112	112	112	6029
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NiFe2O4/CNTs fabricated by atomic layer deposition as highly stable peroxidase mimics for sensitive colorimetric detection of hydrogen peroxide and glucose. Materials Research Bulletin, 2022, 147, 111637.	5.2	10
2	Lightweight and broadband 2D MoS2 nanosheets/3D carbon nanofibers hybrid aerogel for high-efficiency microwave absorption. Journal of Colloid and Interface Science, 2022, 609, 33-42.	9.4	48
3	Multiple reinforcement effect induced by gradient carbon coating to comprehensively promote lithium storage performance of Ti2Nb10O29. Nano Energy, 2022, 96, 107132.	16.0	28
4	BCN nanosheets derived from coconut shells with outstanding microwave absorption and thermal conductive properties. Chemical Engineering Journal, 2022, 437, 135285.	12.7	67
5	Ozone-activated CNTs to induce uniform coating of MnO₂ as high-performance supercapacitor electrodes. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 1163-1169.	2.1	4
6	A Lamellar MoNb12O33 as the High-Rate Anode Material for Lithium-Ion Batteries. Journal of Electronic Materials, 2022, 51, 4125-4132.	2.2	2
7	Synergistic effect of nanosheet structure and carbon coating engineering to enhance lithium storage performance of molybdenum niobium oxides. Materials Today Sustainability, 2022, 19, 100176.	4.1	1
8	Rationally tailoring interface characteristics of ZnO/amorphous carbon/graphene for heat-conduction microwave absorbers. Nano Research, 2022, 15, 8677-8687.	10.4	34
9	Ni/CNTs and carbon coating engineering to synergistically optimize the interfacial behaviors of TiO2 for thermal conductive microwave absorbers. Chemical Engineering Journal, 2022, 448, 137600.	12.7	45
10	Novel hierarchical CuNiAl LDH nanotubes with excellent peroxidase-like activity for wide-range detection of glucose. Dalton Transactions, 2021, 50, 95-102.	3.3	13
11	Titanium niobate (Ti2Nb10O29) anchored on nitrogen-doped carbon foams as flexible and self-supported anode for high-performance lithium ion batteries. Journal of Colloid and Interface Science, 2021, 587, 622-632.	9.4	26
12	Linker Defects Triggering Boosted Oxygen Reduction Activity of Co/Znâ€ZIF Nanosheet Arrays for Rechargeable Znâ€“Air batteries. Small, 2021, 17, e2007085.	10.0	36
13	Biomolecules induce the synthesis of hollow hierarchical mesoporous structured hydroxyapatite microflowers: application in macromolecule drug delivery. Journal of Materials Science, 2021, 56, 7034-7049.	3.7	6
14	CNT@NiO/natural rubber with excellent impedance matching and low interfacial thermal resistance toward flexible and heat-conducting microwave absorption applications. Journal of Materials Chemistry C, 2021, 9, 869-880.	5.5	59
15	Growth of NiAlâ€Layered Double Hydroxide on Graphene toward Excellent Anticorrosive Microwave Absorption Application. Advanced Science, 2021, 8, 2002658.	11.2	227
16	CoP/C hollow hybrids inducing abundant active interfaces and fast electron transfers to activate peroxymonosulfates for bisphenol A degradation. Materials Today Nano, 2021, 14, 100116.	4.6	6
17	Colistin-resistance mcr genes in Klebsiella pneumoniae from companion animals. Journal of Global Antimicrobial Resistance, 2021, 25, 35-36.	2.2	5
18	Magnetic Ni/graphene connected with conductive carbon nano-onions or nanotubes by atomic layer deposition for lightweight and low-frequency microwave absorption. Chemical Engineering Journal, 2020, 382, 122980.	12.7	181

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19	Boosting fast energy storage by synergistic engineering of carbon and deficiency. Nature Communications, 2020, 11, 132.	12.8	92
20	Ultrafast and durable lithium ion storage enabled by intertwined carbon nanofiber/Ti2Nb10O29 core-shell arrays. Electrochimica Acta, 2020, 332, 135433.	5.2	30
21	Novel ceramic-based microwave absorbents derived from gangue. Journal of Materials Chemistry C, 2020, 8, 14238-14245.	5.5	15
22	Hollandite-type Î²-FeOOH(Cl) as a new cathode material for chloride ion batteries. Chemical Communications, 2020, 56, 12435-12438.	4.1	20
23	Morin inhibits Listeria monocytogenes virulence in vivo and in vitro by targeting listeriolysin O and inflammation. BMC Microbiology, 2020, 20, 112.	3.3	12
24	Facile synthesis and photoelectrochemical properties of novel TiN/C3N4/CdS nanotube core/shell arrays. Chinese Journal of Catalysis, 2020, 41, 1645-1653.	14.0	11
25	Strong and super thermally insulating in-situ nanofibrillar PLA/PET composite foam fabricated by high-pressure microcellular injection molding. Chemical Engineering Journal, 2020, 390, 124520.	12.7	103
26	High-performance and flexible all-solid-state hybrid supercapacitor constructed by NiCoP/CNT and N-doped carbon coated CNT nanoarrays. Journal of Colloid and Interface Science, 2020, 572, 151-159.	9.4	68
27	Organic Phosphorous and Calcium Source Induce the Synthesis of Yolk-Shell Structured Microspheres of Calcium Phosphate with High-Specific Surface Area: Application in HEL Adsorption. Nanoscale Research Letters, 2020, 15, 69.	5.7	7
28	Ti₂Nb₁₀O₂₉ microspheres coated with ultrathin N-doped carbon layers by atomic layer deposition for enhanced lithium storage. Chemical Communications, 2019, 55, 517-520.	4.1	36
29	Uniformly coating MnOx nanoflakes onto carbon nanofibers as lightweight and wideband microwave absorbers with frequency-selective absorption. Materials and Design, 2019, 183, 108167.	7.0	40
30	Highly efficient and stable p-type ZnO nanowires with piezotronic effect for photoelectrochemical water splitting. Nano Energy, 2019, 61, 550-558.	16.0	57
31	Inhibition of suilysin activity and inflammation by myricetin attenuates Streptococcus suis virulence. Life Sciences, 2019, 223, 62-68.	4.3	15
32	Atomic layer deposition-assisted growth of CuAl LDH on carbon fiber as a peroxidase mimic for colorimetric determination of H₂O₂ and glucose. New Journal of Chemistry, 2019, 43, 5826-5832.	2.8	28
33	Ultrathin manganese oxide nanosheets uniformly coating on carbon nanocoils as high-performance asymmetric supercapacitor electrodes. Journal of Colloid and Interface Science, 2019, 537, 142-150.	9.4	49
34	Oxygen vacancy modulated Ti2Nb10O29-x embedded onto porous bacterial cellulose carbon for highly efficient lithium ion storage. Nano Energy, 2019, 58, 355-364.	16.0	137
35	Atomic layer deposition assisted fabrication of high-purity carbon nanocoil for electrochemical energy storage. Electrochimica Acta, 2018, 268, 283-294.	5.2	22
36	Lightweight, super-elastic, and thermal-sound insulation bio-based PEBA foams fabricated by high-pressure foam injection molding with mold-opening. European Polymer Journal, 2018, 103, 68-79.	5.4	120

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37	Facile synthesis and wide-band electromagnetic wave absorption properties of carbon-coated ZnO nanorods. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 398-403.	2.1	3
38	The construction of carbon-coated Fe3O4 yolk-shell nanocomposites based on volume shrinkage from the release of oxygen anions for wide-band electromagnetic wave absorption. Journal of Colloid and Interface Science, 2018, 511, 307-317.	9.4	111
39	Peroxidase-like activity of Au@TiO2 yolk-shell nanostructure and its application for colorimetric detection of H2O2 and glucose. Sensors and Actuators B: Chemical, 2018, 257, 166-177.	7.8	61
40	Ultralow-Threshold and Lightweight Biodegradable Porous PLA/MWCNT with Segregated Conductive Networks for High-Performance Thermal Insulation and Electromagnetic Interference Shielding Applications. ACS Applied Materials & Interfaces, 2018, 10, 1195-1203.	8.0	241
41	Synthesis of Porous CoFe2O4 and Its Application as a Peroxidase Mimetic for Colorimetric Detection of H2O2 and Organic Pollutant Degradation. Nanomaterials, 2018, 8, 451.	4.1	40
42	The Fabrication and High-Efficiency Electromagnetic Wave Absorption Performance of CoFe/C Coreâ€“Shell Structured Nanocomposites. Nanoscale Research Letters, 2018, 13, 68.	5.7	18
43	Carbon-coated Ni(OH)2-NiAl LDH hierarchical nanostructures on Ni foam as a high areal capacitance electrode for supercapacitor application. Materials Letters, 2018, 228, 179-182.	2.6	18
44	Long Blood Residence and Large Tumor Uptake of Ruthenium Sulfide Nanoclusters for Highly Efficient Cancer Photothermal Therapy. Scientific Reports, 2017, 7, 41571.	3.3	20
45	Photoelectrochemical Performance of Quantum dot-Sensitized TiO2 Nanotube Arrays: a Study of Surface Modification by Atomic Layer Deposition Coating. Nanoscale Research Letters, 2017, 12, 261.	5.7	14
46	Interface optimization of ZnO nanorod/CdS quantum dots heterostructure by a facile two-step low-temperature thermal treatment for improved photoelectrochemical water splitting. Chemical Engineering Journal, 2017, 325, 151-159.	12.7	65
47	Role of elastic strain energy in cell nucleation of polymer foaming and its application for fabricating sub-microcellular TPU microfilms. Polymer, 2017, 119, 28-39.	3.8	91
48	Ultra-tough and super thermal-insulation nanocellular PMMA/TPU. Chemical Engineering Journal, 2017, 325, 632-646.	12.7	165
49	Modelling of thermal transport through a nanocellular polymer foam: toward the generation of a new superinsulating material. Nanoscale, 2017, 9, 5996-6009.	5.6	124
50	Hierarchical NiAl LDH nanotubes constructed via atomic layer deposition assisted method for high performance supercapacitors. Electrochimica Acta, 2017, 255, 15-22.	5.2	71
51	Low-density and structure-tunable microcellular PMMA foams with improved thermal-insulation and compressive mechanical properties. European Polymer Journal, 2017, 95, 382-393.	5.4	136
52	The Preparation of Au@TiO2 Yolkâ€“Shell Nanostructure and its Applications for Degradation and Detection of Methylene Blue. Nanoscale Research Letters, 2017, 12, 535.	5.7	33
53	Trapped Waves Over the Hyperbolic-Cosine Ocean Ridge. , 2017, , .		0
54	Gravity anomaly in the southern South China Sea: a connection of Moho depth to the nature of the sedimentary basins' crust. Geological Journal, 2016, 51, 244-262.	1.3	14

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55	Analysis of on-chip copper-single-walled carbon nanotube composite interconnects using transmission line model. , 2016, , .		2
56	Rheological properties and application of wormlike micelles formed by sodium oleate/benzyltrimethyl ammonium bromide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 500, 222-229.	4.7	24
57	Electrochemical properties of carbon nanocoils and hollow graphite fibers as anodes for rechargeable lithium ion batteries. Electrochimica Acta, 2016, 199, 204-209.	5.2	25
58	Enhanced photoelectrochemical performance of quantum dot-sensitized TiO₂ nanotube arrays with Al₂O₃ overcoating by atomic layer deposition. Physical Chemistry Chemical Physics, 2016, 18, 17404-17413.	2.8	44
59	Highly effective synthesis of NiO/CNT nanohybrids by atomic layer deposition for high-rate and long-life supercapacitors. Dalton Transactions, 2016, 45, 13779-13786.	3.3	78
60	Alternate nonmagnetic and magnetic multilayer nanofilms deposited on carbon nanocoils by atomic layer deposition to tune microwave absorption property. Carbon, 2016, 98, 196-203.	10.3	114
61	Highly dispersed Ag nanoparticles embedded in alumina nanobelts as excellent surface-enhanced Raman scattering substrates. RSC Advances, 2016, 6, 8580-8583.	3.6	2
62	Fabrication of carbon-coated NiO supported on graphene for high performance supercapacitors. RSC Advances, 2016, 6, 14199-14204.	3.6	37
63	Improving photoelectrochemical performance on quantum dots co-sensitized TiO2 nanotube arrays using ZnO energy barrier by atomic layer deposition. Applied Surface Science, 2016, 388, 352-358.	6.1	19
64	Defective Ti2Nb10O27.1: an advanced anode material for lithium-ion batteries. Scientific Reports, 2015, 5, 17836.	3.3	81
65	Multiply Confined Nickel Nanocatalysts Produced by Atomic Layer Deposition for Hydrogenation Reactions. Angewandte Chemie - International Edition, 2015, 54, 9006-9010.	13.8	96
66	Enhanced microwave absorption of ZnO coated with Ni nanoparticles produced by atomic layer deposition. Journal of Materials Chemistry A, 2015, 3, 2734-2740.	10.3	192
67	TiO₂â€“graphene hybrid nanostructures by atomic layer deposition with enhanced electrochemical performance for Pb(<scp>ii</scp>) and Cd(<scp>ii</scp>) detection. RSC Advances, 2015, 5, 4343-4349.	3.6	24
68	NiO/SiC Nanocomposite Prepared by Atomic Layer Deposition Used as a Novel Electrocatalyst for Nonenzymatic Glucose Sensing. ACS Applied Materials & Interfaces, 2015, 7, 4772-4777.	8.0	78
69	TiNb₆O₁₇: a new electrode material for lithium-ion batteries. Chemical Communications, 2015, 51, 8970-8973.	4.1	110
70	Preparation and microwave absorption properties of uniform TiO₂@C coreâ€“shell nanocrystals. RSC Advances, 2015, 5, 77443-77448.	3.6	45
71	Uniform Fe₃O₄ coating on flower-like ZnO nanostructures by atomic layer deposition for electromagnetic wave absorption. Dalton Transactions, 2015, 44, 18804-18809.	3.3	58
72	PAK1 regulates RUFY3-mediated gastric cancer cell migration and invasion. Cell Death and Disease, 2015, 6, e1682-e1682.	6.3	46

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73	Li5Cr9Ti4O24: A new anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2015, 650, 616-621.	5.5	22
74	Oncogenic PAK4 regulates Smad2/3 axis involving gastric tumorigenesis. Oncogene, 2014, 33, 3473-3484.	5.9	49
75	Acute myeloid leukemia cells harboring MLL fusion genes or with the acute promyelocytic leukemia phenotype are sensitive to the Bcl-2-selective inhibitor ABT-199. Leukemia, 2014, 28, 1557-1560.	7.2	87
76	PAK4 kinase-mediated SCG10 phosphorylation involved in gastric cancer metastasis. Oncogene, 2014, 33, 3277-3287.	5.9	56
77	Size-Selective Catalytic Growth of Nearly 100% Pure Carbon Nanocoils with Copper Nanoparticles Produced by Atomic Layer Deposition. ACS Nano, 2014, 8, 5330-5338.	14.6	61
78	Improved cycling performance of a silicon anode for lithium ion batteries using carbon nanocoils. RSC Advances, 2014, 4, 40812-40815.	3.6	10
79	Reduced graphene oxides: the thinnest and most lightweight materials with highly efficient microwave attenuation performances of the carbon world. Nanoscale, 2014, 6, 5754-5761.	5.6	347
80	Efficient adsorptive removal of dibenzothiophene by graphene oxide-based surface molecularly imprinted polymer. RSC Advances, 2014, 4, 1469-1475.	3.6	55
81	High densities of magnetic nanoparticles supported on graphene fabricated by atomic layer deposition and their use as efficient synergistic microwave absorbers. Nano Research, 2014, 7, 704-716.	10.4	316
82	Nanoporous Nitrogenâ€Doped Titanium Dioxide with Excellent Photocatalytic Activity under Visible Light Irradiation Produced by Molecular Layer Deposition. Angewandte Chemie - International Edition, 2013, 52, 9196-9200.	13.8	72
83	Uniform and Conformal Carbon Nanofilms Produced Based on Molecular Layer Deposition. Materials, 2013, 6, 5602-5612.	2.9	24
84	SYNTHESIS OF Bi₂WO₆ MICROSPHERES WITH VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC PROPERTIES. International Journal of Nanoscience, 2013, 12, 1350035.	0.7	3
85	Growth Process and Optical Properties of SrWO₄ Microcrystal Prepared by a Microwave-Assisted Method. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 888-891.	0.6	5
86	SYNTHESIS OF CROSS Bi₂ WO₆ MICROWAFERS WITH ENHANCED PHOTOCATALYTIC ACTIVITY UNDER VISIBLE LIGHT IRRADIATION. Surface Review and Letters, 2012, 19, 1250005.	1.1	1
87	Microwave Absorption Properties of Carbon Nanocoils Coated with Highly Controlled Magnetic Materials by Atomic Layer Deposition. ACS Nano, 2012, 6, 11009-11017.	14.6	727
88	Ultrasonic synthesis, formation mechanism and optical properties of single-crystalline Pb(OH)Br microrings. Materials Chemistry and Physics, 2012, 132, 923-928.	4.0	7
89	Fabrication and characterisation of multiwalled carbon nanotubes decorated by magnetic Ni nanoparticles. Materials Science and Technology, 2011, 27, 180-183.	1.6	1
90	Synthesis and optical properties of elliptic Pb(OH)Br microdiskettes. Materials Research Bulletin, 2011, 46, 487-491.	5.2	6

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91	Magnetic alignment of nickel-coated carbon fibers. Materials Research Bulletin, 2011, 46, 2090-2093.	5.2	6
92	Preparation and Characterization of FeCo Alloy Nanoparticles. Integrated Ferroelectrics, 2011, 128, 177-182.	0.7	4
93	Long-Term Effect of Thinning and Creating Gaps on Tree Regeneration and Understory Vegetation in Larch Plantation. , 2011, , .		0
94	PREPARATION OF LUMINESCENT PbWO4 MICROCRYSTALS WITH HIERARCHICAL STRUCTURES BY USING MICROWAVE IRRADIATION HEATING METHOD. Modern Physics Letters B, 2010, 24, 3081-3087.	1.9	4
95	STRUCTURE AND MAGNETIC PROPERTIES OF CARBON-ENCAPSULATED Fe NANOPARTICLES OBTAINED BY A MODIFIED ARC PLASMA METHOD. Modern Physics Letters B, 2009, 23, 2149-2153.	1.9	7
96	Fast synthesis and morphology control of lead tungstate microcrystals via a microwave-assisted method. Materials Research Bulletin, 2009, 44, 418-421.	5.2	13
97	Structures and luminescence properties of PbWO4 microcrystals prepared by the microwave irradiation method. Journal of Alloys and Compounds, 2009, 484, 505-509.	5.5	16
98	Preparation of floral-patterned ZnO/MWCNT heterogeneity structure using microwave irradiation heating method. Materials Letters, 2008, 62, 30-32.	2.6	23
99	Microwave-assisted synthesis and characterization of luminescent lead tungstate microcrystals. Materials Letters, 2008, 62, 3163-3166.	2.6	17
100	Determination of the Mode of Occurrence of As, Cr, and Hg in Three Chinese Coal Samples by Sequential Acid Leaching. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2007, 29, 1327-1336.	2.3	4
101	The Direct Liquefaction of Sawdust in Tetralin. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2007, 29, 1221-1231.	2.3	22
102	Some theoretical and computational aspects in grain boundaries and triple lines. Journal of Materials Science, 2005, 40, 841-845.	3.7	1
103	Microstructural Characteristics by EBSD and ECC in ECAE Processed Pure Cu Samples. Advanced Engineering Materials, 2003, 5, 593-597.	3.5	1
104	A novel emitting polymer with bipolar carrier transporting abilities. Journal of Applied Polymer Science, 2003, 88, 50-53.	2.6	2
105	Homogeneous time-resolved fluoroimmunoassay of bensulfuron-methyl by using terbium fluorescence energy transfer. Talanta, 2001, 55, 1119-1125.	5.5	14