Yin Liu

List of Publications by Year
in descending order

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69	1,350	471061	360668
papers	citations	17	35
		h-index	g-index

69	69	69	932
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facile synthesis of nitrogen-doped reduced graphene oxide/nickel-zinc ferrite composites as high-performance microwave absorbers in the X-band. Chemical Engineering Journal, 2020, 384, 123266.	6.6	226
2	Facile Design of Three-Dimensional Nitrogen-Doped Reduced Graphene Oxide/Multi-Walled Carbon Nanotube Composite Foams as Lightweight and Highly Efficient Microwave Absorbers. ACS Applied Materials & Interfaces, 2020, 12, 4689-4698.	4.0	220
3	Embedded MoS2-PANI nanocomposites with advanced microwave absorption performance. Composites Science and Technology, 2020, 198, 108239.	3.8	73
4	Hydrothermal synthesis of polyhedral FeCo alloys with enhanced electromagnetic absorption performances. Journal of Alloys and Compounds, 2019, 794, 68-75.	2.8	67
5	Enhanced electromagnetic wave absorption performance of silane coupling agent KH550@Fe₃O₄ hollow nanospheres/graphene composites. Journal of Materials Chemistry C, 2020, 8, 2913-2926.	2.7	61
6	Oxygen vacancies regulated microwave absorption properties of reduced graphene oxide/multi-walled carbon nanotubes/cerium oxide ternary nanocomposite. Journal of Alloys and Compounds, 2020, 819, 152944.	2.8	49
7	Enhanced microwave absorption properties of (1â^'x)CoFe2O4/xCoFe composites at multiple frequency bands. Journal of Magnetism and Magnetic Materials, 2020, 493, 165699.	1.0	44
8	Facile design of cubic-like cerium oxide nanoparticles decorated reduced graphene oxide with enhanced microwave absorption properties. Journal of Alloys and Compounds, 2020, 817, 152766.	2.8	39
9	Dielectric Tunability, Dielectric Relaxation, and Impedance Spectroscopic Studies on (<scp><scp>Ba</scp></scp>_{0.85}<scp><scp>Ca</scp></scp>_{0.15})(<scp><scp>Ti</scp></scp>_{0.9} Leadâ€free Ceramics. Journal of the American Ceramic Society, 2013, 96, 1847-1851.	1.9	30
10	Facile synthesis of Laâ€doped cobalt ferrite@glucoseâ€based carbon composite as effective multiband microwave absorber. Journal of the American Ceramic Society, 2021, 104, 2191-2200.	1.9	25
11	Comparative Study of Electrochemical Biosensors Based on Highly Efficient Mesoporous ZrO₂-Ag-G-SiO₂ and In₂O₃-G-SiO₂ for Rapid Recognition of E. coli O157:H7. ACS Omega, 2020, 5, 22719-22730.	1.6	24
12	Hollow Fe3O4 microspheres/graphene composites with adjustable electromagnetic absorption properties. Diamond and Related Materials, 2019, 97, 107441.	1.8	22
13	In-situ hydrothermal synthesis of NiCo alloy particles@hydrophilic carbon cloth to construct corncob-like heterostructure for high-performance electromagnetic wave absorbers. Journal of Colloid and Interface Science, 2022, 616, 823-833.	5.0	22
14	Purification and dissociation of raw palygorskite through wet ball milling as a carrier to enhance the microwave absorption performance of Fe3O4. Applied Clay Science, 2021, 200, 105915.	2.6	21
15	Dispersed spherical shell-shaped palygorskite/carbon/polyaniline composites with advanced microwave absorption performances. Powder Technology, 2021, 387, 277-286.	2.1	20
16	Improved magnetic and electromagnetic absorption properties of xSrFe₁₂O₁₉/(1â^'x)NiFe₂O₄ composites. Journal of the American Ceramic Society, 2019, 102, 6680-6687.	1.9	18
17	One-step preparation of environment-oriented magnetic coal-based activated carbon with high adsorption and magnetic separation performance. Journal of Magnetism and Magnetic Materials, 2021, 521, 167517.	1.0	18
18	Microwave Sintering of Nanocrystalline <scp><scp>Ni</scp></scp>_{1â^'x}<scp><scp>Zn</scp></scp>_x<scp><scp>Fe</scp></scp><sub> Ferrite Powder and Their Magnetic Properties. Journal of the American Ceramic Society, 2013, 96, 151-156.	1.9	17

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19	New Design of Active Material Based on YInWO₄-G-SiO₂for a Urea Sensor and High Performance for Nonenzymatic Electrical Sensitivity. ACS Biomaterials Science and Engineering, 2020, 6, 6981-6994.	2.6	17
20	Polypyrrole-Bonded Quaternary Semiconductor LiCuMo₂O₁₁â€“Graphene Nanocomposite for a Narrow Band Gap Energy Effect and Its Gas-Sensing Performance. ACS Omega, 2020, 5, 17337-17346.	1.6	17
21	New design of mesoporous SiO2 combined In2O3-graphene semiconductor nanocomposite for highly effective and selective gas detection. Journal of Materials Science, 2020, 55, 13085-13101.	1.7	17
22	Broadband electromagnetic absorption of Ti₃C₂T_x MXene/WS₂ composite via constructing twoâ€dimensional heterostructure. Journal of the American Ceramic Society, 2021, 104, 5537-5546.	1.9	17
23	MXene/CoS heterostructures self-assembled through electrostatic interaction as superior microwave absorber. Journal of Alloys and Compounds, 2022, 900, 163452.	2.8	15
24	Constructing interpenetrating structured NiCo2O4/HCNT composites with heterogeneous interfaces as low-thickness microwave absorber. Journal of Colloid and Interface Science, 2022, 616, 44-54.	5.0	15
25	In-situ synthesis of graphite carbon nitride nanotubes/Cobalt@Carbon with castor-fruit-like structure as high-efficiency electromagnetic wave absorbers. Journal of Colloid and Interface Science, 2022, 620, 454-464.	5.0	15
26	Synthesis and mechanical properties of mullite ceramics with coal gangue and wastes refractory as raw materials. International Journal of Applied Ceramic Technology, 2020, 17, 205-210.	1.1	14
27	Insight into the enhanced photocatalytic activity of Mo and P codoped SrTiO₃from first-principles prediction. RSC Advances, 2020, 10, 40117-40126.	1.7	12
28	Effect of TiO₂ arrays on surface enhanced Raman scattering (SERS) performance for Ag/TiO₂ substrates. Nanotechnology, 2021, 32, 075708.	1.3	12
29	3D Modeling of Silver Doped ZrO2 Coupled Graphene-Based Mesoporous Silica Quaternary Nanocomposite for a Nonenzymatic Glucose Sensing Effects. Nanomaterials, 2022, 12, 193.	1.9	12
30	Preparation of coral-like palygorskite-dispersed Fe3O4/polyaniline with improved electromagnetic absorption performance. Applied Clay Science, 2021, 204, 106009.	2.6	11
31	Preparation and characterization of nanocomposites of MoS2 nanoflowers and palygorskite nanofibers as lightweight microwave absorbers. Applied Clay Science, 2021, 211, 106169.	2.6	10
32	Enhanced microwave absorption performance of nitrogen-doped porous carbon dodecahedrons composite embedded with ceric dioxide. Advanced Powder Technology, 2022, 33, 103527.	2.0	10
33	NiCo alloy/C nanocomposites derived from a Ni-doped ZIF-67 for lightweight microwave absorbers. Nanotechnology, 2021, 32, 385602.	1.3	9
34	Novel composites with a cross-linked polyaniline shell and oriented palygorskite as ideal microwave absorbers. New Journal of Chemistry, 2021, 45, 2765-2774.	1.4	9
35	A General in Situ Deposition Strategy for Synthesis of Janus Composite Fabrics with Co(CO3)0.5OHÂ·0.11H2O Nanoneedles for Oilâ€“Water Separation. ACS Applied Nano Materials, 2020, 3, 3779-3786.	2.4	8
36	Polymer bonded Graphene- LaNiSbWO ₄ nanocomposite (G-LaNiSbWO ₄ -PPy) for CO ₂ sensing performance under normal temperature condition. Inorganic and Nano-Metal Chemistry, 2021, 51, 1803-1812.	0.9	8

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37	Interface Engineering of a 2D/2D BiVO₄/Bi₄V₂O₁₀ Heterostructure with Improved Photocatalytic Photoredox Activity. Langmuir, 2022, 38, 7558-7566.	1.6	8
38	Sonochemical synthesis of PANI-BiVO4-GO semiconductor nanocomposite highly efficient visible-light photocatalytic performance. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 945-958.	1.0	7
39	Chemo-Electrical Gas Sensors Based on LaNiMoSe2 in Graphene and Conducting Polymer PANI Composite Semiconductor Nanocomposite. Journal of Electronic Materials, 2021, 50, 5754-5764.	1.0	7
40	Fabrication and properties of alumina ceramics shaped by digital light processing as an additive manufacturing technology. International Journal of Applied Ceramic Technology, 2022, 19, 281-288.	1.1	7
41	Anchoring 1D nanochain-like Co₃O₄ on a 2D layered Ti₃C₂T_x MXene with outstanding electromagnetic absorption. New Journal of Chemistry, 2022, 46, 14626-14634.	1.4	7
42	Photocatalytic Properties of SrTiO₃ Nanocubes Synthesized Through Molten Salt Modified Pechini Route. Journal of Nanoscience and Nanotechnology, 2016, 16, 12321-12325.	0.9	6
43	Facile synthesis and enhanced microwave absorption properties of anthracite-based carbon/Ni₃Fe/NiO ternary composites. New Journal of Chemistry, 2020, 44, 13962-13970.	1.4	6
44	Photocatalytic concrete paving block reinforced by TiO2 nanotubes for NO removal. Journal of Materials Science, 2020, 55, 14280-14291.	1.7	6
45	Phase formation, microstructure development, and mechanical properties of kaolinâ€based mullite ceramics added with Fe₂O₃. International Journal of Applied Ceramic Technology, 2021, 18, 1074-1081.	1.1	6
46	Coal-based carbon/FeCo magnetic composites with layered stripes as novel light-weight microwave absorber. Diamond and Related Materials, 2021, 120, 108685.	1.8	6
47	Novel designed quaternary CuZnSnSe semiconductor combined graphene-polymer (CuZnSnSe-G-PPy) composites for highly selective gas-sensing properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 12812-12821.	1.1	5
48	Effects of flake-shape and content of nano-mullite on mechanical properties and fracture process of corundum composite ceramics. Journal of Asian Ceramic Societies, 2021, 9, 459-470.	1.0	5
49	Quaternary nanorod-type BaInSbSe5 semiconductor combined graphene-based conducting polymer (PPy) nanocomposite and highly sensing performance of H2O2 & H2S gases. Journal of Materials Science: Materials in Electronics, 2021, 32, 15944-15963.	1.1	5
50	Synthesis of palygorskite supported spherical ZnS nanocomposites with enhanced photocatalytic activity. CrystEngComm, 2021, 23, 4229-4236.	1.3	5
51	Rapid fabrication of extremely thin Nano-Al2O3 transparent ceramic wafers through nonaqueous tape casting. Ceramics International, 2021, 47, 30677-30684.	2.3	4
52	Low-Cost magnetic adsorbent for efficient Cu(II) removal from water. Materials Research Express, 2020, 7, 105503.	0.8	4
53	MICROWAVE-ASSISTED HYDROTHERMAL SYNTHESIS, OPTICAL AND ELECTROCHEMICAL PROPERTIES OF AgBi(MoO₄)₂ NANOSPHERES. Functional Materials Letters, 2013, 06, 1350011.	0.7	3
54	Modification of graphene based on a Ba2Cu8Ni2Se12 catalyst with CoS nanospheres for a counter electrode for dye-sensitized solar cells. New Journal of Chemistry, 2020, 44, 4199-4205.	1.4	3

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55	2D Z-scheme TiO₂/SnS₂ heterojunctions with enhanced visible-light photocatalytic performance for refractory contaminants and mechanistic insights. New Journal of Chemistry, 2021, 45, 16131-16142.	1.4	3
56	Nitrogen-doped graphene oxide and lanthanum-doped cobalt ferrite composites as high-performance microwave absorber. Journal of Materials Science: Materials in Electronics, 2021, 32, 21685-21696.	1.1	3
57	Mechanical properties of in situ synthesized mulliteâ€based composite ceramics with threeâ€dimensional network structure. International Journal of Applied Ceramic Technology, 0, , .	1.1	3
58	Preparation and Characterization of Porous Palygorskite/Carbon Composites through Zinc Chloride Activation for Wastewater Treatment. Clays and Clay Minerals, 2022, 70, 450-459.	0.6	3
59	Enhanced magnetic properties of xSrFe₁₂O₁₉/(1â€‰â€‰â^'â€‰â€‰x)CoFe₂O₄ composites. Materials Research Express, 2017, 4, 106107.	0.8	2
60	In situ synthesis of layered coal-based carbon/Co porous magnetic composites with promising microwave absorption performance. New Journal of Chemistry, 2021, 45, 15525-15535.	1.4	2
61	Preparation of environmentally friendly lowâ€cost mullite porous Ceramics and the effect of Waste Glass Powder on structure and mechanical Properties. International Journal of Precision Engineering and Manufacturing - Green Technology, 0, , 1.	2.7	2
62	Effect of hyperbranched polycarboxylic acid superplasticiser on the properties of cement paste. Advances in Cement Research, 2021, 33, 506-514.	0.7	2
63	Effect of Zn2+ content on the microstructure and magnetic properties of nanocrystalline Ni1â^'x Zn x Fe2O4 ferrite by a spraying-coprecipitation method. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 429-431.	0.4	1
64	Dielectric and magnetic properties of (1-x)CaTiO3-xNi0.5Zn0.5Fe2O4 composite ceramics. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 786-790.	0.4	1
65	Parameter Optimization of Ultrafine Comminution Based on Analytic Hierarchy Process: Fuzzy Comprehensive Evaluation. Journal of Control Science and Engineering, 2021, 2021, 1-7.	0.8	1
66	Chitosan/lemon residues activated carbon efficiently removal of acid red 18 from aqueous solutions: batch study, isotherm and kinetics. Environmental Technology (United Kingdom), 2021, , 1-10.	1.2	1
67	Synergistic effect of niobium oxide and cobalt on electromagnetic properties of dodecahedron-carbon composites. Journal of Solid State Chemistry, 2022, 311, 123122.	1.4	1
68	Irradiation-Induced Defects and Their Effects on the Electronic Structures in T-Carbon. Journal of Physical Chemistry C, 2021, 125, 28067-28074.	1.5	1
69	First principles study on the electronic and magnetic properties in Zn doped BiFe0.9375Mg0.0625O3 with intrinsic defects. Materials Research Express, 2019, 6, 036104.	0.8	0