

# Wei Wang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63  
papers

2,060  
citations

24  
h-index

45  
g-index

65  
ext. papers

2,852  
ext. citations

6.9  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
63	Synthesis and characterization of gadolinium doped cobalt ferrite nanoparticles with enhanced adsorption capability for Congo Red. <i>Chemical Engineering Journal</i> , <b>2014</b> , 250, 164-174	14.7	159
62	A Dynamic Three-Dimensional Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4995-4998	16.4	136
61	CoFe <sub>2</sub> O <sub>4</sub> /N-doped reduced graphene oxide aerogels for high-performance microwave absorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124317	14.7	125
60	PVP-encapsulated CoFe <sub>2</sub> O <sub>4</sub> /rGO composites with controllable electromagnetic wave absorption performance. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 755-766	14.7	110
59	Paramagnetic CoS <sub>2</sub> @MoS <sub>2</sub> core-shell composites coated by reduced graphene oxide as broadband and tunable high-performance microwave absorbers. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122159	14.7	105
58	Effect of the rare-earth substitution on the structural, magnetic and adsorption properties in cobalt ferrite nanoparticles. <i>Ceramics International</i> , <b>2016</b> , 42, 4246-4255	5.1	103
57	Rapid hydrothermal synthesis of magnetic Co <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles and their application on removal of Congo red. <i>Chemical Engineering Journal</i> , <b>2014</b> , 242, 226-233	14.7	101
56	3D Nest-Like Architecture of Core-Shell CoFeO@1T/2H-MoS Composites with Tunable Microwave Absorption Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 11252-11264	9.5	90
55	Synthesis, characterization and adsorption capability for Congo red of CoFe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 640, 362-370	5.7	85
54	PEG-assisted hydrothermal synthesis of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles with enhanced selective adsorption properties for different dyes. <i>Applied Surface Science</i> , <b>2016</b> , 389, 1003-1011	6.7	83
53	Synthesis and high-efficiency methylene blue adsorption of magnetic PAA/MnFe <sub>2</sub> O <sub>4</sub> nanocomposites. <i>Applied Surface Science</i> , <b>2015</b> , 346, 348-353	6.7	76
52	Observation of Interpenetration Isomerism in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6763-6766	16.4	75
51	High-efficiency and selective adsorption of organic pollutants by magnetic CoFe <sub>2</sub> O <sub>4</sub> /graphene oxide adsorbents: Experimental and molecular dynamics simulation study. <i>Separation and Purification Technology</i> , <b>2020</b> , 238, 116400	8.3	72
50	A phytic acid modified CoFe <sub>2</sub> O <sub>4</sub> magnetic adsorbent with controllable morphology, excellent selective adsorption for dyes and ultra-strong adsorption ability for metal ions. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 936-946	14.7	71
49	3D CoFe <sub>2</sub> O <sub>4</sub> nanorod/flower-like MoS <sub>2</sub> nanosheet heterojunctions as recyclable visible light-driven photocatalysts for the degradation of organic dyes. <i>Applied Surface Science</i> , <b>2018</b> , 447, 711-723	6.7	68
48	A novel poly(m-phenylenediamine)/reduced graphene oxide/nickel ferrite magnetic adsorbent with excellent removal ability of dyes and Cr(VI). <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 722, 532-543	5.7	58
47	Facile synthesis of rGO/SmFe <sub>5</sub> O <sub>12</sub> /CoFe <sub>2</sub> O <sub>4</sub> ternary nanocomposites: Composition control for superior broadband microwave absorption performance. <i>Applied Surface Science</i> , <b>2018</b> , 453, 464-476	6.7	54

46	Microstructure and magnetic properties of MFe <sub>2</sub> O <sub>4</sub> (M = Co, Ni, and Mn) ferrite nanocrystals prepared using colloid mill and hydrothermal method. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A328	2.5	51
45	Synthesis of nonstoichiometric Co <sub>0.8</sub> Fe <sub>2.2</sub> O <sub>4</sub> /reduced graphene oxide (rGO) nanocomposites and their excellent electromagnetic wave absorption property. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 774, 997-1008	5.7	41
44	Molecular Dynamics Simulation Insight Into Two-Component Solubility Parameters of Graphene and Thermodynamic Compatibility of Graphene and Styrene Butadiene Rubber. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 10163-10173	3.8	33
43	From nanosphere to nanorod: Tuning morphology, structure and performance of cobalt ferrites via Pr <sup>3+</sup> doping. <i>Chemical Engineering Journal</i> , <b>2016</b> , 306, 382-392	14.7	33
42	Constructing multiple heterogeneous interfaces in the composite of bimetallic MOF-derivatives and rGO for excellent microwave absorption performance. <i>Carbon</i> , <b>2021</b> , 173, 1059-1072	10.4	33
41	Achieving super-broad effective absorption bandwidth with low filler loading for graphene aerogels/raspberry-like CoFeO clusters by N doping. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 590, 186-198	9.3	29
40	Effect of polyacrylic acid addition on structure, magnetic and adsorption properties of manganese ferrite nanoparticles. <i>Powder Technology</i> , <b>2016</b> , 295, 59-68	5.2	24
39	Facile synthesis and high-frequency performance of CoFe <sub>2</sub> O <sub>4</sub> nanocubes with different size. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 451, 793-798	2.8	20
38	3D core-shell FeO@SiO <sub>2</sub> @MoS <sub>2</sub> composites with enhanced microwave absorption performance. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 604, 537-549	9.3	18
37	Ethanol-assisted synthesis and adsorption property of flake-like NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , <b>2015</b> , 41, 13624-13629	5.1	17
36	Synthesis and Characteristics of Superparamagnetic Co <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles by a Modified Hydrothermal Method. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 2245-2251	3.8	17
35	Achieving effective control of the photocatalytic performance for CoFe <sub>2</sub> O <sub>4</sub> /MoS <sub>2</sub> heterojunction via exerting external magnetic fields. <i>Materials Letters</i> , <b>2020</b> , 260, 126979	3.3	14
34	Analysis on three-sublattice model of magnetic properties in rare-earth iron garnets under high magnetic fields. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 512, 128-131	5.7	13
33	A Three-Dimensional sp Carbon-Conjugated Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15562-15566	16.4	13
32	Hollow Ni/C microsphere@graphene foam with dual-spatial and porous structure on the microwave absorbing performance. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 873, 159811	5.7	12
31	Nonreciprocal TE <sub>m</sub> Mode Conversion Based on Photonic Crystal Fiber of Air Holes Filled With Magnetic Fluid Into a Terbium Gallium Garnet Fiber. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	10
30	Study of Mn <sub>3</sub> O <sub>4</sub> doping to improve the magnetic properties of MnZn ferrites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2009</b> , 158, 35-39	3.1	10
29	Development of MnZn ferrites by combinatorial synthesis and high throughput screening method. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 463, 112-118	5.7	10

28	High-Temperature Magnetic Properties of Dysprosium Iron Garnet in Strong Magnetic Fields. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3638-3640	2	9
27	Topological transformation strategy for layered double hydroxide@carbon nanofibers as highly efficient electromagnetic wave absorber. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 867, 159046	5.7	8
26	Mean field analysis of the high temperature magnetic properties of terbium iron garnet in strong DC fields. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 393, 437-444	2.8	7
25	Analysis on high-field magnetic properties of aluminum substituted rare-earth iron garnet at low temperatures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 360, 193-199	2.8	6
24	A novel MOF-driven self-decomposition strategy for CoO@N/C-Co/Ni-NiCo <sub>2</sub> O <sub>4</sub> multi-heterostructure composite as high-performance electromagnetic wave absorbing materials. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131667	14.7	6
23	Achieving a high cutting-off frequency in the oriented CoFe <sub>2</sub> O <sub>4</sub> nanocubes. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 133108	3.4	5
22	Properties of exchange interaction in Yb <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> under extreme conditions. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 3307-3310	2.8	5
21	Extension of the molecular-field theory on the magnetic behaviors in paramagnetic Dy <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> . <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 488, 23-26	5.7	5
20	3D porous coral-like CoNiO microspheres embedded into reduced graphene oxide aerogels with lightweight and broadband microwave absorption. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 609, 12-22	9.3	5
19	Lightweight and robust cobalt ferrite/carbon nanotubes/waterborne polyurethane hybrid aerogels for efficient microwave absorption and thermal insulation. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12201-12212	7.1	5
18	Synthesis and Characterization of Co <sub>2</sub> N Ferrite Nanoparticles by Hydrothermal Method: A Comparative Study. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	4
17	Three-sublattice analyses on magnetic and magneto-optical properties of scandium substituted ytterbium iron garnet in high magnetic fields. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 374, 333-337	2.8	4
16	Designing Z-scheme CdS/WS <sub>2</sub> heterojunctions with enhanced photocatalytic degradation of organic dyes and photoreduction of Cr (VI): Experiments, DFT calculations and mechanism. <i>Separation and Purification Technology</i> , <b>2022</b> , 291, 120976	8.3	4
15	High-field magnetic properties in NdBe intermetallic compound. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 331, 225-231	2.8	3
14	High field magnetic anisotropy in praseodymium gallium garnet at low temperatures. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1489-1492	5.7	3
13	Nonlinear field dependence of the Faraday effect in neodymium gallium garnet under high magnetic field. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 1-4	2.8	3
12	Determination of the easy axis of magnetization in terbium-titanium iron garnet Tb <sub>1</sub> Y <sub>2</sub> Fe <sub>5</sub> O <sub>12</sub> at low temperatures. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 476, 129-131	2.8	2
11	Effect of cation size and disorder on the power loss of La <sub>0.7</sub> (Ba <sub>1-x</sub> Sr <sub>x</sub> ) <sub>0.3</sub> MnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 1884-1888	2.8	2

10	PVP modified rGO/CoFe <sub>2</sub> O <sub>4</sub> magnetic adsorbents with a unique sandwich structure and superior adsorption performance for anionic and cationic dyes. <i>Separation and Purification Technology</i> , <b>2022</b> , 286, 120484	8.3	2
9	Current advances of Polyurethane/Graphene composites and its prospects in synthetic leather: A review. <i>European Polymer Journal</i> , <b>2021</b> , 161, 110837	5.2	2
8	Anisotropic, multifunctional and lightweight CNTs@CoFe <sub>2</sub> O <sub>4</sub> /polyimide aerogels for high efficient electromagnetic wave absorption and thermal insulation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 442, 136388	14.7	1
7	Effects of a high DC magnetic field on spin reorientation in dysprosium- yttrium iron garnets at low temperatures. <i>AIP Advances</i> , <b>2019</b> , 9, 035326	1.5	0
6	Micro-flower like Core-shell structured ZnCo@C@1T-2H-MoS composites for broadband electromagnetic wave absorption and photothermal performance.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 622, 261-271	9.3	0
5	Formation of Samarium Ferrites With Controllable Morphology by Changing the Addition of KOH. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-5	2	0
4	Implanting N-doped CQDs into rGO aerogels with diversified applications in microwave absorption and wastewater treatment. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136475	14.7	0
3	A general approach to homogeneous sub-nanometer metallic particle/graphene composites by S-coordinator. <i>Solid State Communications</i> , <b>2018</b> , 273, 17-22	1.6	
2	Analysis on an abnormal behavior of magnetization in neodymium trifluoride at low temperatures. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 550, 71-74	5.7	
1	. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 57, 1-5	2	