

Zhen Xiang

List of Publications by Year in descending order

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40
papers

3,763
citations

126708

33
h-index

288905

40
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40
all docs

40
docs citations

40
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	A hierarchical Co @ mesoporous C/ macroporous C sheet composite derived from bimetallic MOF and oroxylum indicum for enhanced microwave absorption. Carbon, 2022, 187, 477-487.	5.4	89
2	Etching engineering and electrostatic self-assembly of N-doped MXene/hollow Co-ZIF hybrids for high-performance microwave absorbers. Chemical Engineering Journal, 2022, 434, 133865.	6.6	102
3	Dielectric regulation of ultralight EG/bimetallic sulfide hybrids with boosted electromagnetic wave absorption properties. Composites Communications, 2022, 29, 101007.	3.3	4
4	Polarization loss-enhanced honeycomb-like MoS ₂ nanoflowers/undaria pinnatifida-derived porous carbon composites with high-efficient electromagnetic wave absorption. Chemical Engineering Journal, 2022, 431, 134284.	6.6	86
5	Self-assembly of nano/microstructured 2D Ti ₃ CNT _x MXene-based composites for electromagnetic pollution elimination and Joule energy conversion application. Carbon, 2022, 189, 305-318.	5.4	55
6	Implanting NiCo ₂ O ₄ equalizer with designable nanostructures in agaric aerogel-derived composites for efficient multiband electromagnetic wave absorption. Carbon, 2022, 190, 68-79.	5.4	49
7	Fe ₃ O ₄ @PVP@DOX magnetic vortex hybrid nanostructures with magnetic-responsive heating and controlled drug delivery functions for precise medicine of cancers. Advanced Composites and Hybrid Materials, 2022, 5, 1786-1798.	9.9	29
8	Multi-interface Assembled N-Doped MXene/HCFG/AgNW Films for Wearable Electromagnetic Shielding Devices with Multimodal Energy Conversion and Healthcare Monitoring Performances. ACS Nano, 2022, 16, 7816-7833.	7.3	86
9	Improved synergistic effect for achieving ultrathin microwave absorber of 1D Co nanochains/2D carbide MXene nanocomposite. Carbon, 2021, 172, 506-515.	5.4	196
10	Rational construction of MXene/Ferrite@C hybrids with improved impedance matching for high-performance electromagnetic absorption applications. Materials Letters, 2021, 284, 129029.	1.3	36
11	Self-assembled MoS ₂ /3D worm-like expanded graphite hybrids for high-efficiency microwave absorption. Carbon, 2021, 174, 59-69.	5.4	128
12	Electrostatically self-assembled two-dimensional magnetized MXene/hollow Fe ₃ O ₄ nanoparticle hybrids with high electromagnetic absorption performance and improved impedance matching. Journal of Materials Chemistry A, 2021, 9, 3500-3510.	5.2	176
13	Engineering Dielectric Loss of FeCo/Polyvinylpyrrolidone Core@Shell Nanochains@Graphene Oxide Composites with Excellent Microwave Absorbing Properties. Advanced Engineering Materials, 2021, 23, .	1.6	31
14	Facile fabrication of monodisperse CoFe ₂ O ₄ nanocrystals@dopamine@DOX hybrids for magnetic-responsive on-demand cancer theranostic applications. Advanced Composites and Hybrid Materials, 2021, 4, 989-1001.	9.9	20
15	Mace-like carbon fiber/ZnO nanorod composite derived from Typha orientalis for lightweight and high-efficient electromagnetic wave absorber. Advanced Composites and Hybrid Materials, 2021, 4, 1002-1014.	9.9	58
16	Flexible and Waterproof 2D/1D/0D Construction of MXene-Based Nanocomposites for Electromagnetic Wave Absorption, EMI Shielding, and Photothermal Conversion. Nano-Micro Letters, 2021, 13, 150.	14.4	197
17	Electrostatic self-assembly construction of 2D MoS ₂ wrapped hollow Fe ₃ O ₄ nanoflowers@1D carbon tube hybrids for self-cleaning high-performance microwave absorbers. Carbon, 2021, 177, 332-343.	5.4	136
18	Covalent organic framework-derived hollow core-shell Fe/Fe ₃ O ₄ @porous carbon composites with corrosion resistance for lightweight and efficient microwave absorption. Composites Communications, 2021, 25, 100731.	3.3	54

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19	Morphology-controllable synthesis of polyurethane-derived highly cross-linked 3D networks for multifunctional and efficient electromagnetic wave absorption. <i>Carbon</i> , 2021, 182, 254-264.	5.4	68
20	Hollow CuS microflowers anchored porous carbon composites as lightweight and broadband microwave absorber with flame-retardant and thermal stealth functions. <i>Carbon</i> , 2021, 184, 514-525.	5.4	75
21	Biconical prisms Ni@C composites derived from metal-organic frameworks with an enhanced electromagnetic wave absorption. <i>Carbon</i> , 2021, 184, 115-126.	5.4	57
22	Enhanced electromagnetic wave absorption of layered FeCo@carbon nanocomposites with a low filler loading. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160465.	2.8	35
23	Efficient microwave absorption of MOFs derived laminated porous Ni@C nanocomposites with waterproof and infrared shielding versatility. <i>Carbon</i> , 2021, 185, 477-490.	5.4	38
24	Fire-retardant and thermal insulating honeycomb-like NiS ₂ /SnS ₂ nanosheets @ 3D porous carbon hybrids for high-efficiency electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2021, 426, 131272.	6.6	70
25	Metal-organic frameworks derived porous hollow Co/C microcubes with improved synergistic effect for high-efficiency microwave absorption. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161413.	2.8	29
26	Enhanced electromagnetic wave absorption of magnetic Co nanoparticles/CNTs/EG porous composites with waterproof, flame-retardant and thermal management functions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17538-17552.	5.2	89
27	Magnetic vortex core-shell Fe ₃ O ₄ @C nanorings with enhanced microwave absorption performance. <i>Carbon</i> , 2020, 157, 130-139.	5.4	310
28	Rational design of 2D hierarchically laminated Fe ₃ O ₄ @nanoporous carbon@rGO nanocomposites with strong magnetic coupling for excellent electromagnetic absorption applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2123-2134.	2.7	183
29	Fe@NPC@CF nanocomposites derived from Fe-MOFs/biomass cotton for lightweight and high-performance electromagnetic wave absorption applications. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152952.	2.8	87
30	Rational design of hollow nanosphere $\hat{3}$ -Fe ₂ O ₃ /MWCNTs composites with enhanced electromagnetic wave absorption. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153570.	2.8	53
31	Rational design of hierarchical porous Fe ₃ O ₄ /rGO composites with lightweight and high-efficiency microwave absorption. <i>Composites Communications</i> , 2020, 22, 100492.	3.3	33
32	MOF-derived novel porous Fe ₃ O ₄ @C nanocomposites as smart nanomedical platforms for combined cancer therapy: magnetic-triggered synergistic hyperthermia and chemotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8671-8683.	2.9	36
33	Rational construction of hierarchical accordion-like Ni@porous carbon nanocomposites derived from metal-organic frameworks with enhanced microwave absorption. <i>Carbon</i> , 2020, 167, 364-377.	5.4	166
34	Engineering compositions and hierarchical yolk-shell structures of NiCo/GC/NPC nanocomposites with excellent electromagnetic wave absorption properties. <i>Applied Surface Science</i> , 2020, 513, 145778.	3.1	71
35	Sandwich-Like Fe&TiO ₂ @C Nanocomposites Derived from MXene/Fe-MOFs Hybrids for Electromagnetic Absorption. <i>Nano-Micro Letters</i> , 2020, 12, 55.	14.4	240
36	Layered NiCo alloy nanoparticles/nanoporous carbon composites derived from bimetallic MOFs with enhanced electromagnetic wave absorption performance. <i>Carbon</i> , 2019, 154, 391-401.	5.4	179

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37	Carbon nanotube@ZIF-derived Fe-N-doped carbon electrocatalysts for oxygen reduction and evolution reactions. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2225-2232.	1.2	9
38	Microstructure and Magnetic Properties of Mn ₅₅ Bi ₄₅ Powders Obtained by Different Ball Milling Processes. <i>Metals</i> , 2019, 9, 441.	1.0	5
39	Enhanced electromagnetic wave absorption of nanoporous Fe ₃ O ₄ @carbon composites derived from metal-organic frameworks. <i>Carbon</i> , 2019, 142, 20-31.	5.4	352
40	Effect of Ca/P ratio on the structural and corrosion properties of biomimetic Ca P coatings on ZK60 magnesium alloy. <i>Materials Science and Engineering C</i> , 2017, 72, 676-681.	3.8	46