

Xuefeng Zhang

List of Publications by Year in descending order

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190
papers

6,110
citations

87401

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100535

70
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all docs

201
docs citations

201
times ranked

5226
citing authors

#	ARTICLE	IF	CITATIONS
1	Breaking the topological protection of target skyrmions by the excitation of spin wave modes under microwave magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 541, 168521.	1.0	4
2	Solid-state reaction induced defects in multi-walled carbon nanotubes for improving microwave absorption properties. <i>Journal of Materials Science and Technology</i> , 2022, 108, 37-45.	5.6	21
3	Velocity increase of skyrmion motion by constructing wedge nanotracks. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 546, 168877.	1.0	4
4	Understanding the Role of Element Grain Boundary Diffusion Mechanism in Nd-Fe-B Magnets. <i>Advanced Functional Materials</i> , 2022, 32, 2109529.	7.8	49
5	Real-time Tunable Nanoprinting-Multiplexing with Simultaneous Meta-Holography Displays by Stepwise Nanocavities. <i>Advanced Functional Materials</i> , 2022, 32, 2110022.	7.8	42
6	Fabrication of cerium oxide films with thickness and hydrophobicity gradients. <i>Surface and Coatings Technology</i> , 2022, 430, 127985.	2.2	3
7	Nickel-coated wood-derived porous carbon (Ni/WPC) for efficient electromagnetic interference shielding. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 2328-2338.	9.9	31
8	Reconfigurable Ferromagnetic Resonances by Engineering Inhomogeneous Magnetic Textures in Artificial Magnonic Crystals. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	13
9	Wrinkled Titanium Carbide (MXene) with Surface Charge Polarizations through Chemical Etching for Superior Electromagnetic Interference Shielding. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	35
10	Wrinkled Titanium Carbide (MXene) with Surface Charge Polarizations through Chemical Etching for Superior Electromagnetic Interference Shielding. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
11	High-entropy-alloy nanoparticles with 21 ultra-mixed elements for efficient photothermal conversion. <i>National Science Review</i> , 2022, 9, .	4.6	31
12	Non-Isothermal Crystallization of Titanium-Dioxide-Incorporated Rice Straw Fiber/Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.0	4
13	Optimizing magnetic/dielectric matching in permalloy/carbonized cotton fiber composites by strain-tunable ferromagnetic resonance and defect-induced dielectric polarization. <i>Journal of Materials Science and Technology</i> , 2022, 124, 174-181.	5.6	6
14	Quinary High-Entropy-Alloy@Graphite Nanocapsules with Tunable Interfacial Impedance Matching for Optimizing Microwave Absorption. <i>Small</i> , 2022, 18, e2107265.	5.2	60
15	Selective assembly of magnetic nano-antenna for electromagnetic dissipation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10909-10915.	5.2	8
16	Wide Linear Range Strain Sensor Enabled by the Non-Newtonian Fluid for Bio-Signals Monitoring. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	6
17	Vortex tuning magnetization configurations in porous Fe ₃ O ₄ nanotube with wide microwave absorption frequency. <i>Nano Research</i> , 2022, 15, 6743-6750.	5.8	31
18	Synergistic effect of V ₂ O ₅ and Bi ₂ O ₃ on the grain boundary structure of high-frequency NiCuZn ferrite ceramics. <i>Journal of Advanced Ceramics</i> , 2022, 11, 912-921.	8.9	14

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19	Micromagnetic manipulation and spin excitation of skyrmionic structures. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 333001.	1.3	10
20	Intrinsically High Magnetic Performance in Core-Shell Structural (Sm,Y)Fe ₁₂ -Based Permanent Magnets. <i>Advanced Materials</i> , 2022, 34, e2203503.	11.1	7
21	Near-field nano-spectroscopy of strong mode coupling in phonon-polaritonic crystals. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	4
22	Sub-Nanometer Fe Clusters Confined in Carbon Nanocages for Boosting Dielectric Polarization and Broadband Electromagnetic Wave Absorption. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	56
23	Hierarchical Engineering of Double-Shelled Nanotubes toward Hetero-Interfaces Induced Polarization and Microscale Magnetic Interaction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	161
24	Regulation of structural and terahertz properties of TiC nanoparticles by carbon-coating and nitrogen-doping. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 169, 110825.	1.9	6
25	Influence of N-doping on dielectric properties of carbon-coated copper nanocomposites in the microwave and terahertz ranges. <i>Journal of Materiomics</i> , 2022, 8, 1131-1140.	2.8	4
26	Morphology-Evolved Succulent-like FeCo Microarchitectures with Magnetic Configuration Regulation for Enhanced Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32369-32378.	4.0	16
27	Theoretical Modeling of Site Selectivity and Chemical Substitution Effect of H ₂ O ₂ Production Efficiency on Modified Graphene. <i>Catalysis Letters</i> , 2021, 151, 390-397.	1.4	3
28	Highly ordered, ultralight three-dimensional graphene-like carbon for high-frequency electromagnetic absorption. <i>Journal of Materials Science</i> , 2021, 56, 4305-4315.	1.7	6
29	Microwave absorption performance of FeCoNiAlCr _{0.9} alloy powders by adjusting the amount of process control agent. <i>Journal of Materials Science and Technology</i> , 2021, 77, 209-216.	5.6	64
30	Response to comment on "Thickness-dependent morphology, microstructure, adsorption and surface free energy of sputtered CeO ₂ films". <i>Ceramics International</i> , 2021, 47, 4363-4364.	2.3	0
31	Understanding the hierarchical behavior of Bi ₂ WO ₆ with enhanced photocatalytic nitrogen fixation activity. <i>Dalton Transactions</i> , 2021, 50, 7427-7432.	1.6	7
32	Concurrently Improved Breakdown Strength and Storage Energy Capacitance in the Core-Shell-Structured Aromatic Polythiourea@BaTiO ₃ Polymer Nanocomposites Induced by the Nature of Interfacial Polarization and Crystallization. <i>ACS Applied Energy Materials</i> , 2021, 4, 470-481.	2.5	14
33	Position selective dielectric polarization enhancement in CNT based heterostructures for highly efficient microwave absorption. <i>Nanoscale</i> , 2021, 13, 2324-2332.	2.8	30
34	Sulfur-doped wood-derived porous carbon for optimizing electromagnetic response performance. <i>Nanoscale</i> , 2021, 13, 16084-16093.	2.8	6
35	Flexible and tunable microwave absorption structures using carbonyl iron@polydimethylsiloxane pillar arrays. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 145001.	1.3	3
36	Preparation of transparent and hydrophobic cerium oxide films with stable mechanical properties by magnetron sputtering. <i>Vacuum</i> , 2021, 184, 109888.	1.6	13

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37	Logical devices based on the antiferromagnetic-antimeron in a ferromagnet nanodot with gain. Applied Physics Letters, 2021, 118, 172410.	1.5	3
38	Spontaneous Formation of Ordered Magnetic Domains by Patterning Stress. Nano Letters, 2021, 21, 5430-5437.	4.5	22
39	Enhanced dielectric and conductivity properties of carbon-coated SiC nanocomposites in the terahertz frequency range. Nanotechnology, 2021, 32, 265705.	1.3	13
40	Facile morphology controllable synthesis of zinc oxide decorated carbon nanotubes with enhanced microwave absorption. Journal of Materials Science: Materials in Electronics, 2021, 32, 12208-12222.	1.1	7
41	Tailoring Helicity Angle of Twisted Skyrmions in Multilayered Nanostructures. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100076.	1.2	3
42	Structural and Electronic Properties of MgO/TiO ₂ Interfaces: A First-Principles Molecular-Simulation Study. Journal of Physical Chemistry C, 2021, 125, 10795-10802.	1.5	2
43	Spontaneous Adsorption-Induced <i>Salvinia</i> -like Micropillars with High Adhesion. Langmuir, 2021, 37, 6728-6735.	1.6	17
44	Highly efficient electromagnetic absorption on ZnN ₄ -based MOFs-derived carbon composites. Carbon, 2021, 177, 44-51.	5.4	37
45	Energy-efficient polarity reversal of a target skyrmion driven by spin-transfer effect. Journal of Magnetism and Magnetic Materials, 2021, 528, 167705.	1.0	4
46	3D Meta-Prisms for Versatile Beam Steering by Hybridizing Plasmonic and Diffractive Effect in the Broadband Visible Regime. Small, 2021, 17, e2100561.	5.2	9
47	What is the important factor affecting microwave absorption performance in corn-cob-derived carbon/Ni composites?. Journal Physics D: Applied Physics, 2021, 54, 365005.	1.3	12
48	Multiscale design of carbon-based, high-efficiency and wide-frequency microwave-absorption composites. Ceramics International, 2021, 47, 20467-20475.	2.3	12
49	A review of coextruded wood-plastic composites. Polymer Composites, 2021, 42, 4174-4186.	2.3	23
50	Controlled Doping Engineering in 2D MoS ₂ Crystals toward Performance Augmentation of Optoelectronic Devices. ACS Applied Materials & Interfaces, 2021, 13, 31861-31869.	4.0	16
51	Transformation from antiferromagnetic target skyrmion to antiferromagnetic skyrmion by unzipping process through a confined nanostructure. Journal of Physics Condensed Matter, 2021, 33, 425801.	0.7	5
52	Anisotropy engineering of metal organic framework derivatives for effective electromagnetic wave absorption. Carbon, 2021, 181, 48-57.	5.4	37
53	3D Meta-Prisms for Versatile Beam Steering by Hybridizing Plasmonic and Diffractive Effect in the Broadband Visible Regime (Small 34/2021). Small, 2021, 17, 2170175.	5.2	0
54	Optimized microwave absorption properties by tailoring the morphology of carbon coated TiC nanoparticles by N ₂ pressure. Ceramics International, 2021, 47, 23950-23957.	2.3	7

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55	Fe ₃ O ₄ @silica nanoparticles for reliable identification and magnetic separation of <i>Listeria monocytogenes</i> based on molecular-scale physiochemical interactions. <i>Journal of Materials Science and Technology</i> , 2021, 84, 116-123.	5.6	9
56	Synthesizing CN _x heterostructures on ferromagnetic nanoparticles for improving microwave absorption property. <i>Applied Surface Science</i> , 2021, 564, 150480.	3.1	5
57	Multiscale collaborative coupling of wood-derived porous carbon modified by three-dimensional conductive magnetic networks for electromagnetic interference shielding. <i>Composites Part B: Engineering</i> , 2021, 224, 109169.	5.9	42
58	The modes of skyrmionium motion induced by vacancy defects on a racetrack. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 537, 168173.	1.0	4
59	Flexible and superhydrophobic carbonized cotton fabrics for effective electromagnetic interference shielding. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 540, 168434.	1.0	4
60	Carbonized fibers with multi-elemental doping and hollow architecture derived from natural cotton for tunable microwave absorption properties. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161084.	2.8	12
61	Auto-oscillations for the coupling between breathing mode and chiral switching in magnetic skyrmions. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 015005.	1.3	3
62	High-Entropy Alloy Nanoparticles with Enhanced Interband Transitions for Efficient Photothermal Conversion. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27113-27118.	7.2	56
63	Grayscale-patterned metal-hydrogel-metal microcavity for dynamic multi-color display. <i>Nanophotonics</i> , 2021, 10, 4125-4131.	2.9	14
64	High-Entropy Alloy Nanoparticles with Enhanced Interband Transitions for Efficient Photothermal Conversion. <i>Angewandte Chemie</i> , 2021, 133, 27319-27324.	1.6	11
65	Spin excitation spectrum of a magnetic hopfion. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	13
66	Microwave absorption performance of reduced graphene oxide with negative imaginary permeability. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 02LT01.	1.3	71
67	Energy level engineering of PEDOT:PSS by antimonene quantum sheet doping for highly efficient OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1796-1802.	2.7	16
68	Oxygen-sulfur Co-substitutional Fe@C nanocapsules for improving microwave absorption properties. <i>Science Bulletin</i> , 2020, 65, 623-630.	4.3	100
69	Development of high-temperature high-permeability MnZn power ferrites for MHz application by Nb ₂ O ₅ and TiO ₂ co-doping. <i>Ceramics International</i> , 2020, 46, 8935-8941.	2.3	21
70	Novel and dual-mode strain-detecting performance based on a layered NiO/ZnO p-n junction for flexible electronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1466-1474.	2.7	12
71	Preparation of black titanium monoxide nanoparticles and their potential in electromagnetic wave absorption. <i>Advanced Powder Technology</i> , 2020, 31, 3458-3464.	2.0	21
72	Corn-cob-derived hierarchical porous carbon/Ni composites for microwave absorbing application. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156662.	2.8	40

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73	FeCoNiCuAl high entropy alloys microwave absorbing materials: Exploring the effects of different Cu contents and annealing temperatures on electromagnetic properties. Journal of Alloys and Compounds, 2020, 848, 156491.	2.8	28
74	Lightweight and Hydrophobic Three-Dimensional Wood-Derived Anisotropic Magnetic Porous Carbon for Highly Efficient Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2020, 12, 40802-40814.	4.0	106
75	In-situ gold nanoparticle synthesis in polymer films. , 2020, , .		0
76	Wiggling Skyrmions Confined in a Linear Potential Well. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000214.	1.2	1
77	Infrared Nanoimaging of Surface Plasmons in Type-II Dirac Semimetal PtTe ₂ Nanoribbons. ACS Nano, 2020, 14, 6276-6284.	7.3	20
78	Band Structure Engineering in MoS ₂ Based Heterostructures toward High-Performance Phototransistors. Advanced Optical Materials, 2020, 8, 2000430.	3.6	28
79	High-resolution structural mapping and single-domain switching kinetics in 2D-confined ferroelectric nanodots for low-power FeRAM. Nanoscale, 2020, 12, 11997-12006.	2.8	11
80	Linear dependence of skyrmion velocity on response resonance frequency of local magnetization. Applied Physics Letters, 2020, 116, .	1.5	9
81	Improved fluorescence stability for Fe ₃ O ₄ /silica @fluorescein/dense silica structure with double shell. Composites Communications, 2020, 20, 100368.	3.3	6
82	Regulation of dielectric loss by different exposed crystal facets in graphite-coated titanium carbide nanocomposites. Ceramics International, 2020, 46, 18339-18346.	2.3	19
83	Accelerated wetting transition from hydrophilic to hydrophobic of sputtered Cu films with micro-scale patterns. Applied Surface Science, 2020, 527, 146741.	3.1	12
84	MoS ₂ co-catalyst sensitized 3D TiO ₂ /CdS photoanodes with enhanced photoelectrochemical performances. Journal of the American Ceramic Society, 2020, 103, 5778-5786.	1.9	4
85	Efficient polymer solar cells utilizing solution-processed interlayer based on different conjugated backbones. Journal of Applied Polymer Science, 2020, 137, 49527.	1.3	4
86	Enhanced high-frequency microwave absorption in core-shell nanocapsules with atomic-scale oxygen substitutions. Journal of Applied Physics, 2020, 127, .	1.1	7
87	Heterogeneous iron-nickel compound/RGO composites with tunable microwave absorption frequency and ultralow filler loading. Physical Chemistry Chemical Physics, 2020, 22, 8639-8646.	1.3	51
88	Asymmetric diffraction mechanism induced by inclined all-dielectric nanostructure. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	1
89	Co(OH) ₂ ELECTROCATALYST DECORATED ON TiO ₂ FILM FOR ENHANCED PHOTOELECTROCATALYTIC WATER OXIDATION. Surface Review and Letters, 2020, 27, 2050003.	0.5	1
90	A universal law for predicting the motion behaviors of skyrmions under spatially-varying strain field. Journal of Magnetism and Magnetic Materials, 2020, 513, 166954.	1.0	8

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91	Engineering defect concentrations of multiwalled carbon nanotubes by microwave irradiation for tunable electromagnetic absorption properties. <i>Journal of Materials Science</i> , 2020, 55, 13871-13880.	1.7	14
92	Tuning phase constitution and magnetic properties by composition in FeCoNiAlMn high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156204.	2.8	21
93	Effects of Sm content on the phase structure, microstructure and magnetic properties of the Sm Zr _{0.2} (Fe _{0.8} Co _{0.2}) _{11.5} Ti _{0.5} (x=0.8~1.4) alloys. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154428.	2.8	16
94	Self-transforming ultrathin γ -Co(OH) ₂ nanosheet arrays from metal-organic framework modified graphene oxide with sandwichlike structure for efficient electrocatalytic oxygen evolution. <i>Nano Research</i> , 2020, 13, 810-817.	5.8	53
95	Low-temperature direct synthesis of perovskite nanocrystals in water and their application in light-emitting diodes. <i>Nanoscale</i> , 2020, 12, 6522-6528.	2.8	17
96	Thickness-dependent morphology, microstructure, adsorption and surface free energy of sputtered CeO ₂ films. <i>Ceramics International</i> , 2020, 46, 13925-13931.	2.3	11
97	Second Time-Scale Synthesis of High-Quality Graphite Films by Quenching for Effective Electromagnetic Interference Shielding. <i>ACS Nano</i> , 2020, 14, 3121-3128.	7.3	57
98	Nitrogen-doped graphene layer-encapsulated NiFe bimetallic nanoparticles synthesized by an arc discharge method for a highly efficient microwave absorber. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1148-1160.	3.0	48
99	Superhigh Electromagnetic Interference Shielding of Ultrathin Aligned Pristine Graphene Nanosheets Film. <i>Advanced Materials</i> , 2020, 32, e1907411.	11.1	310
100	Bridging the neighbor plasma coupling on curved surface array for early hepatocellular carcinoma detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127759.	4.0	15
101	Formation of skyrmion and skyrmionium in confined nanodisk with perpendicular magnetic anisotropy. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 195001.	1.3	18
102	Persistent excitation of spin waves for k π -state skyrmions. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	15
103	Wedged γ -In ₂ S ₃ sensitized TiO ₂ films for enhanced photoelectrochemical hydrogen generation. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154798.	2.8	17
104	TiN/Ni/C ternary composites with expanded heterogeneous interfaces for efficient microwave absorption. <i>Composites Part B: Engineering</i> , 2020, 193, 108028.	5.9	116
105	Zeolitic imidazolate framework derived Fe-N/C for efficient microwave absorbers. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155629.	2.8	26
106	Enhanced thermal stability and dielectric performance of γ -MnO ₂ by Ni ²⁺ doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15362-15370.	1.1	12
107	Regulating the magnetic skyrmion in a confined nanochannel under a gradient magnetic field. <i>Nanotechnology</i> , 2019, 30, 415401.	1.3	5
108	Driving the magnetic phase transition of graphene nanoribbons with fluctuation fields and doping. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 415003.	1.3	0

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109	Electrospinning of lightweight TiN fibers with superior microwave absorption. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14519-14527.	1.1	38
110	Visualizing spatial potential and charge distribution in Ru/N-doped carbon electrocatalysts for superior hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18072-18080.	5.2	41
111	W ^{1/4} stite-type Fe _{0.78} Mn _{0.22} O nanocubes: A new class for high-sensitive T ₂ -weighted magnetic resonance imaging agent. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2485-2493.	5.6	13
112	Nanohoneycomb Surface-Enhanced Raman Spectroscopy-Active Chip for the Determination of Biomarkers of Hepatocellular Carcinoma. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44617-44623.	4.0	31
113	Tuning Resonance Frequency of Spin Wave Localized in an Isolated Skyrmion by Magnetoelectric Couplings. <i>Spin</i> , 2019, 09, 1950009.	0.6	1
114	High performance and lightweight electromagnetic wave absorbers based on TiN/RGO flakes. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151950.	2.8	57
115	Achieving excellent metallic magnet-based absorbents by regulating the eddy current effect. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	31
116	Hydrogen peroxide-assisted synthesis of oxygen-doped carbon nitride nanorods for enhanced photocatalytic hydrogen evolution. <i>RSC Advances</i> , 2019, 9, 28421-28431.	1.7	6
117	Significant magnetocaloric and microwave absorption performances in ultrafine ErC ₂ @C core-shell structural nanocomposites. <i>Composites Communications</i> , 2019, 12, 123-127.	3.3	19
118	Electron Holography of Yolk-Shell Fe ₃ O ₄ @mSiO ₂ Microspheres for Use in Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2019, 2, 910-916.	2.4	41
119	Doping strategy to boost electromagnetic property and gigahertz tunable electromagnetic attenuation of hetero-structured manganese dioxide. <i>Dalton Transactions</i> , 2019, 48, 2407-2421.	1.6	29
120	Rational design of mesoporous MnO ₂ microwave absorber with tunable microwave frequency response. <i>Applied Surface Science</i> , 2019, 490, 372-382.	3.1	53
121	Fe@CN Nanocapsules for Microwave Absorption at Gigahertz Frequency. <i>ACS Applied Nano Materials</i> , 2019, 2, 3648-3653.	2.4	13
122	Ultralight and high-elastic carbon foam with hollow framework for dynamically tunable electromagnetic interference shielding at gigahertz frequency. <i>Carbon</i> , 2019, 153, 330-336.	5.4	42
123	Structuring micro/nanoscale hybrid Fe@SiC flakes for tunable microwave absorption properties. <i>Materials Research Bulletin</i> , 2019, 118, 110487.	2.7	6
124	Graphene nanoflakes with optimized nitrogen doping fabricated by arc discharge as highly efficient absorbers toward microwave absorption. <i>Carbon</i> , 2019, 148, 204-213.	5.4	117
125	Synergistic effects of carbon-encapsulated cobalt/tricobalt tetroxide nanocapsules on hydrogenation of 4-nitrophenol. <i>Functional Materials Letters</i> , 2019, 12, 1950059.	0.7	1
126	Fe@Graphite nanocapsules with atomic-scale substitutional oxygen in graphitic shells for improving gigahertz dielectric losses and microwave absorption properties. <i>Journal of Alloys and Compounds</i> , 2019, 792, 291-296.	2.8	3

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127	Arc-discharge synthesis of nitrogen-doped C embedded TiCN nanocubes with tunable dielectric/magnetic properties for electromagnetic absorbing applications. <i>Nanoscale</i> , 2019, 11, 19994-20005.	2.8	42
128	Incorporation of magnetic component to construct (TiC/Ni)@C ternary composite with heterogeneous interface for enhanced microwave absorption. <i>Journal of Alloys and Compounds</i> , 2019, 778, 779-786.	2.8	25
129	Tuning microwave absorption properties of multi-walled carbon nanotubes by surface functional groups. <i>Journal of Materials Science</i> , 2019, 54, 2417-2426.	1.7	42
130	Millimeter-scale metamaterial absorbers by structuring Ni@C nanocapsules for tunable microwave absorption. <i>Journal of Alloys and Compounds</i> , 2019, 784, 1205-1211.	2.8	10
131	Strong microwave absorption of Fe@SiO ₂ nanocapsules fabricated by one-step high energy plasma. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 129, 242-251.	1.9	19
132	Insights into the micro magnetic loss mechanism of microwave absorption by off-axis electron holography. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 24-29.	1.0	16
133	Superconductor-insulator transition driven by pressure-tuned intergrain coupling in nanodiamond films. <i>Physical Review Materials</i> , 2019, 3, .	0.9	5
134	Novel nanocapsules with Co@TiC twin cores and regulable graphitic shells for superior electromagnetic wave absorption. <i>RSC Advances</i> , 2018, 8, 6397-6405.	1.7	26
135	Confining Gold Nanoclusters in Highly Defective Graphitic Layers To Enhance the Methanol Electrooxidation Reaction. <i>ChemCatChem</i> , 2018, 10, 141-147.	1.8	9
136	Fe@C nanocapsules with substitutional sulfur heteroatoms in graphitic shells for improving microwave absorption at gigahertz frequencies. <i>Carbon</i> , 2018, 126, 372-381.	5.4	122
137	Multi-interfacial Co@CoN x @C(N) nanocapsules with nitrogen substitutions in graphitic shells for improving microwave absorption properties. <i>Journal of Alloys and Compounds</i> , 2018, 736, 51-56.	2.8	13
138	High-yield production of stable antimonene quantum sheets for highly efficient organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23773-23779.	5.2	26
139	Constructing sandwich-like polyaniline/graphene oxide composites with tunable conjugation length toward enhanced microwave absorption. <i>Organic Electronics</i> , 2018, 63, 175-183.	1.4	45
140	Tunable optical absorption of dimer nanostructure array achieved by angular evaporation. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 115010.	1.5	0
141	A novel Sn/SnO/graphene triple core-shell heterogeneous catalyst for oxygen reduction reaction. <i>Inorganic Chemistry Communication</i> , 2018, 96, 101-105.	1.8	8
142	High performance microwave absorption through multi-scale metamaterial by integrating Ni@C nanocapsules with millimetric polystyrene sphere. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 365303.	1.3	8
143	Electric-Field-Triggered Electromagnetic Polarizations in the Close-Packed Fe at C Nanocapsules. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	1.2	1
144	Improved microwave absorbing properties by designing heterogeneous interfaces in Mo@2D-MoS ₂ . <i>Journal of Alloys and Compounds</i> , 2018, 767, 1-6.	2.8	16

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145	Tuning microwave absorption properties by hybridizing heterogeneous components for core@shell structural Fe@SiC flakes. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 462, 46-52.	1.0	11
146	Buildup of Sn@CNT nanorods by in-situ thermal plasma and the electronic transport behaviors. <i>Science China Materials</i> , 2018, 61, 1605-1613.	3.5	6
147	Ultralight and ultraelastic sponge/Al@Al ₂ O ₃ nanocomposite with tunable electromagnetic properties. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	3
148	Quasi-static asymmetric magnetization for hemisphere structure. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	4
149	Improved microwave absorption properties by atomic-scale substitutions. <i>Carbon</i> , 2018, 139, 181-188.	5.4	54
150	Tunable dielectric response and electronic conductivity of potassium-ion-doped tunnel-structured manganese oxides. <i>Journal of Applied Physics</i> , 2018, 123, 214101.	1.1	6
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