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Co<sup>2+</sup>/Co<sup>3+</sup> ratio dependence of electromagnetic wave absorption in hierarchical NiCo<sub>2</sub>O<sub>4</sub>CoNiO<sub>2</sub> hybrids

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#	Paper	IF	Citations
395	Synthesis and Electromagnetic and Microwave Absorption Properties of Monodispersive Fe <sub>3</sub> O <sub>4</sub> /-Fe <sub>2</sub> O <sub>3</sub> Composites.		
394	Synthesis and characterization of Fe <sub>2</sub> O <sub>3</sub> @C nanorod-carbon sphere composite and its application as microwave absorbing material. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 652, 346-350	5.7	169
393	Achieving hierarchical hollow carbon@Fe@Fe <sub>3</sub> O <sub>4</sub> nanospheres with superior microwave absorption properties and lightweight features. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10232-10241	7.1	317
392	Multishelled Metal Oxide Hollow Spheres: Easy Synthesis and Formation Mechanism. <b>2016</b> , 22, 8864-71		115
391	Enhanced Microwave Absorption Properties of Flexible Polymer Composite Based on Hexagonal NiCo <sub>2</sub> O <sub>4</sub> Microplates and PVDF. <b>2016</b> , 45, 4202-4207		10
390	Enhanced microwave absorption capacity of hierarchical structural MnO <sub>2</sub> @NiMoO <sub>4</sub> composites. <b>2016</b> , 6, 36484-36490		9
389	Controlled growth of Cu-Ni nanowires and nanospheres for enhanced microwave absorption properties. <b>2016</b> , 27, 125602		13
388	Synthesis and excellent microwave absorption properties of reduced graphene oxide/FeNi <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> composite. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6238-6243	3.6	23
387	Improved microwave absorption properties of TiO <sub>2</sub> and Ni <sub>0.53</sub> Cu <sub>0.12</sub> Zn <sub>0.35</sub> Fe <sub>2</sub> O <sub>4</sub> nanocomposites potential for microwave devices. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 681, 499-507	5.7	33
386	Synergetic effect of hexagonal nitride nanopowder and graphene nanosheets on thermal and electrical conductivity of the hBN/GNs/CE resin nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 6216-6222	2.1	1
385	Interface Strategy To Achieve Tunable High Frequency Attenuation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6529-38	9.5	238
384	Facile Hydrothermal Synthesis of Fe <sub>3</sub> O <sub>4</sub> /C Core-Shell Nanorings for Efficient Low-Frequency Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7370-80	9.5	412
383	Controlled synthesis of Fe <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> /RGO nanocomposite for microwave absorption enhancement. <i>Ceramics International</i> , <b>2016</b> , 42, 10682-10689	5.1	70
382	MOF Derived Nonstoichiometric Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> Nanocage for Superior Electrocatalytic Oxygen Evolution. <b>2016</b> , 3, 1600632		86
381	Achieving tunable electromagnetic absorber via graphene/carbon sphere composites. <i>Carbon</i> , <b>2016</b> , 110, 130-137	10.4	119
380	Microwave absorption of a TiO <sub>2</sub> @PPy hybrid and its nonlinear dielectric resonant attenuation mechanism. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 385502	3	14
379	Rich surface Co(III) ions-enhanced Co nanocatalyst benzene/toluene oxidation performance derived from Co(II)Co(III) layered double hydroxide. <i>Nanoscale</i> , <b>2016</b> , 8, 15763-73	7.7	87

378	Bias voltage-dependent low field spin transport properties of Fe <sub>3</sub> O <sub>4</sub> /PEG with different particle sizes. <b>2016</b> , 30, 1650301		
377	High-performance electromagnetic wave absorbing composites prepared by one-step transformation of Fe <sup>3+</sup> mediated egg-box structure of seaweed. <b>2016</b> , 6, 98128-98140		24
376	Three-dimensional NiCo <sub>2</sub> O <sub>4</sub> /NiCo <sub>2</sub> S <sub>4</sub> hybrid nanostructure on Ni-foam as a high-performance supercapacitor electrode. <b>2016</b> , 6, 95760-95767		36
375	Small magnetic Co-doped NiZn ferrite/graphene nanocomposites and their dual-region microwave absorption performance. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 9738-9749	7.1	327
374	The electromagnetic property and microwave absorption of wormhole-like mesoporous carbons with different surface areas. <b>2016</b> , 51, 9723-9731		16
373	FeNi <sub>3</sub> nanoalloy decorated on 3D architecture composite of reduced graphene oxide/molybdenum disulfide giving excellent electromagnetic wave absorption properties. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 689, 208-217	5.7	54
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371	Facial Synthesis of Zn-Doped Fe <sub>3</sub> O <sub>4</sub> with Enhanced Electromagnetic Wave Absorption Performance in S and C Bands. <i>Nano</i> , <b>2016</b> , 11, 1650091	1.1	8
370	In-situ synthesis of carbon nanotubes decorated by magnetite nanoclusters and their applications as highly efficient and enhanced microwave absorber. <i>Ceramics International</i> , <b>2016</b> , 42, 19110-19118	5.1	31
369	Titanium carbide (MXene) nanosheets as promising microwave absorbers. <i>Ceramics International</i> , <b>2016</b> , 42, 16412-16416	5.1	209
368	Facile Synthesis of Porous Nickel/Carbon Composite Microspheres with Enhanced Electromagnetic Wave Absorption by Magnetic and Dielectric Losses. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 20258-66	9.5	155
367	Temperature dependence of the electromagnetic properties of graphene nanosheet reinforced alumina ceramics in the X-band. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4853-4862	7.1	132
366	Tunable high-performance microwave absorption for manganese dioxides by one-step Co doping modification. <b>2016</b> , 6, 37400		13
365	2D MoS <sub>2</sub> /graphene composites with excellent full Ku band microwave absorption. <b>2016</b> , 6, 106187-106193		50
364	Structure evolution of Prussian blue analogues to CoFe@C core-shell nanocomposites with good microwave absorbing performances. <b>2016</b> , 6, 105644-105652		59
363	CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> particles and MWCNT-filled microwave absorber with improved microwave absorption by FSS incorporation. <b>2016</b> , 122, 1		7
362	A simple hydrothermal process to grow MoS <sub>2</sub> nanosheets with excellent dielectric loss and microwave absorption performance. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6816-6821	7.1	187
361	Facile synthesis and application of multi-shelled SnO <sub>2</sub> hollow spheres in lithium ion battery. <b>2016</b> , 6, 58069-58076		84

360	Mechanical, thermal conductive and dielectrical properties of organic montmorillonite reinforced benzoxazine/cyanate ester copolymer for electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 8279-8287	2.1	42
359	Superior performance of 3 D Co-Ni bimetallic oxides for catalytic degradation of organic dye: Investigation on the effect of catalyst morphology and catalytic mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 186, 193-203	21.8	58
358	Enhancing the strain sensitivity of CoFeO <sub>3</sub> at low magnetic fields without affecting the magnetostriction coefficient by substitution of small amounts of Mg for Fe. <b>2016</b> , 18, 10516-27		86
357	Carbon Hollow Microspheres with a Designable Mesoporous Shell for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6332-6341	9.5	319
356	Achieving rough sphere-shaped ZnS with superior attenuation electromagnetic absorption performance. <b>2017</b> , 7, 3907-3913		13
355	Thermal decomposition synthesis of single-crystalline porous ZnO nanoplates self-assembled by tiny nanocrystals and their pore-dependent magnetic properties. <i>Ceramics International</i> , <b>2017</b> , 43, 6029-6038	5.1	9
354	Solvothermal synthesis and good microwave absorbing properties for magnetic porous-Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposites. <b>2017</b> , 7, 056605		15
353	Simultaneous Synthesis of WO Quantum Dots and Bundle-Like Nanowires Using a One-Pot Template-Free Solvothermal Strategy and Their Versatile Applications. <b>2017</b> , 13, 1603689		64
352	Improvement of microwave magnetic properties by inserting nonmagnetic layer. <b>2017</b> , 31, 1750004		
351	Growth of Polyaniline Nanoneedles on MoS <sub>2</sub> Nanosheets, Tunable Electroresponse, and Electromagnetic Wave Attenuation Analysis. <b>2017</b> , 121, 4989-4998		71
350	Asymmetric whole-cell bioreduction of sterically bulky 2-benzoylpyridine derivatives in aqueous hydrophilic ionic liquid media. <i>Chemical Engineering Journal</i> , <b>2017</b> , 316, 919-927	14.7	29
349	In situ synthesis and preparation of TiO <sub>2</sub> /polyimide composite containing phenolphthalein functional group. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 6544-6551	2.1	63
348	Preferential orientation and relaxation behaviors of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films in a low frequency range. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 704, 676-682	5.7	7
347	Facile design of a ZnO nanorod@Ni core-shell composite with dual peaks to tune its microwave absorption properties. <b>2017</b> , 7, 9294-9302		90
346	Super-light Cu@Ni nanowires/graphene oxide composites for significantly enhanced microwave absorption performance. <b>2017</b> , 7, 1584		51
345	Facile Synthesis and Hierarchical Assembly of Flowerlike NiO Structures with Enhanced Dielectric and Microwave Absorption Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16404-16416	9.5	236
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343	Facile approach of Ni/C composites from Ni/cellulose composites as broadband microwave absorbing materials. <b>2017</b> , 7, 31129-31132		13

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341	Hydrothermal synthesis of carbonyl iron-carbon nanocomposite: Characterization and electromagnetic performance. <b>2017</b> , 7, 1978-1986		9
340	Porous-carbon-nanotube decorated carbon nanofibers with effective microwave absorption properties. <b>2017</b> , 28, 355708		32
339	Facile, Large-Scale, and Expeditious Synthesis of Hollow Co and Co@Fe Nanostructures: Application for Electromagnetic Wave Absorption. <b>2017</b> , 121, 8557-8568		27
338	Rice husk-based hierarchically porous carbon and magnetic particles composites for highly efficient electromagnetic wave attenuation. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4695-4705	7.1	112
337	Fabrication and microwave absorption performances of hollow-structure $\text{Fe}_3\text{O}_4/\text{PANI}$ microspheres. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 9279-9288	2.1	21
336	Hierarchical $\text{NiCo}_2\text{O}_4/\text{Co}_3\text{O}_4/\text{NiO}$ porous composite: a lightweight electromagnetic wave absorber with tunable absorbing performance. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3770-3778	7.1	125
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334	Synthesis of novel $\text{Fe}_2\text{O}_3$ nanorods without surfactant and its electrochemical performance. <i>Powder Technology</i> , <b>2017</b> , 308, 266-272	5.2	26
333	Effect of chemical composition on the surface charge property and flotation behavior of pyrophyllite particles. <b>2017</b> , 28, 836-841		7
332	Towards efficient microwave absorption: intrinsic heterostructure of fluorinated SWCNTs. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11847-11855	7.1	18
331	Design of hollow $\text{ZnFe}_2\text{O}_4$ microspheres@graphene decorated with $\text{TiO}_2$ nanosheets as a high-performance low frequency absorber. <b>2017</b> , 202, 184-189		37
330	Performance of MOF-Derived Spinel Type $\text{Ni}_x\text{Co}_{3-x}\text{O}_4$ -y Nanocages in Efficient Methanol Electro-Oxidation. <b>2017</b> , 4, 2989-2996		15
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322	The characterization and preparation of core-shell structure particles of carbon-sphere@NiFe <sub>2</sub> O <sub>4</sub> @PPy as microwave absorbing materials in X band. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 14988-14995	2.1	14
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320	Ternary composites RGO/MoS <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> : synthesis and enhanced electromagnetic wave absorbing performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16802-16812	2.1	22
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314	Dipolar-Distribution Cavity [Fe <sub>3</sub> O <sub>4</sub> @C@MnO Nanospindle with Broadened Microwave Absorption Bandwidth by Chemically Etching. <b>2017</b> , 13, 1602779		163
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312	A Polypyrrole/CoFe <sub>2</sub> O <sub>4</sub> /Hollow Glass Microspheres three-layer sandwich structure microwave absorbing material with wide absorbing bandwidth and strong absorbing capacity. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 519-525	2.1	25
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302	Structural and Carbonized Design of 1D FeNi/C Nanofibers with Conductive Network to Optimize Electromagnetic Parameters and Absorption Abilities. <b>2018</b> , 6, 7239-7249		104
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300	Enhanced low-frequency microwave absorbing property of SCFs@TiO <sub>2</sub> composite. <i>Powder Technology</i> , <b>2018</b> , 333, 153-159	5.2	119
299	Synthesis and electromagnetic absorbing performances of CNTs/PMMA laminated nanocomposite foams in X-band. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 107, 334-341	8.4	33
298	Facile synthesis of 2D single-phase Ni <sub>0.9</sub> Zn <sub>0.1</sub> O and its application in decolorization of dye. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 9740-9744	2.1	11
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278	Optimization on microwave absorbing properties of carbon nanotubes and magnetic oxide composite materials. <i>Applied Surface Science</i> , <b>2018</b> , 434, 1321-1326	6.7	25
277	Microwave-Assisted Synthesis of NiCoO Double-Shelled Hollow Spheres for High-Performance Sodium Ion Batteries. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 13	19.5	31
276	Easy hydrothermal synthesis of multi-shelled La <sub>2</sub> O <sub>3</sub> hollow spheres for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 1232-1237	2.1	39
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268	Synthesis and characterization of magnetic and microwave absorbing properties in polycrystalline cobalt zinc ferrite (Co <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) composite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20573-20579	2.1	17
267	Light weight RGO/Fe <sub>3</sub> O <sub>4</sub> nanocomposite for efficient electromagnetic absorption coating in X-band. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 19775-19782	2.1	6
266	Dielectric and electromagnetic interference shielding properties of germanium dioxide nanoparticle reinforced poly(vinyl chloride) and poly(methylmethacrylate) blend nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20172-20188	2.1	28
265	Facile Synthesis of Carbon-Encapsulated Ni Nanoparticles Embedded into Porous Graphite Sheets as High-Performance Microwave Absorber. <b>2018</b> , 6, 16179-16185		13
264	Synthesis of hybrid Au@PbI <sub>2</sub> core-shell nanoparticles by pulsed laser ablation in ethanol. <b>2018</b> , 5, 115024		7
263	Microwave-assisted synthesis of graphene-NiS/Ni <sub>3</sub> S <sub>2</sub> composites for enhanced microwave absorption behaviors through a sulfuration method. <i>Ceramics International</i> , <b>2018</b> , 44, 21786-21793	5.1	24
262	Coaxial double-layer-coated multiwalled carbon nanotubes toward microwave absorption. <b>2018</b> , 233, 203-206		11
261	Selective fabrication of porous iron oxides hollow spheres and nanofibers by electrospinning for photocatalytic water purification. <b>2018</b> , 82, 24-28		9
260	Flake-like oxygen-deficient lithium vanadium oxides as a high ionic and electronic conductive cathode material for high-power Li-ion battery. <b>2018</b> , 124, 1		5
259	Cr <sub>2</sub> O <sub>3</sub> nanocrystal anode materials with improved cyclic stability for lithium ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 11795-11800	2.1	3
258	Electrochemical oxygen evolution reaction catalyzed by a novel nickel-cobalt-fluoride catalyst. <b>2018</b> , 54, 6204-6207		56
257	ZnCo <sub>2</sub> O <sub>4</sub> nanorods as a novel class of high-performance adsorbent for removal of methyl blue. <b>2018</b> , 29, 1933-1939		22
256	Near-Infrared Spectroscopic Study of Chlorite Minerals. <b>2018</b> , 2018, 1-11		9
255	Oxygen-Vacancy and Surface Modulation of Ultrathin Nickel Cobaltite Nanosheets as a High-Energy Cathode for Advanced Zn-Ion Batteries. <b>2018</b> , 30, e1802396		335
254	Synthesis and characterization of CuWO <sub>4</sub> nanoparticle and CuWO <sub>4</sub> /NiO nanocomposite using co-precipitation method; application in photodegradation of organic dye in water. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 13737-13745	2.1	53
253	Vertically distributed VO <sub>2</sub> nanoplatelets on hollow spheres with enhanced thermochromic properties. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7896-7904	7.1	8

252	Preparation and Microwave Absorption of Nitrogen-Doped Carbon Nanotubes With Iron Particles. <b>2018</b> , 1-6		3
251	Synthesis of graphene/thorns-like polyaniline/FeO@SiO <sub>2</sub> nanocomposites for lightweight and highly efficient electromagnetic wave absorber. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 530, 212-222	9.3	36
250	Lithium-ion storage performances of sunflower-like and nano-sized hollow SnO spheres by spray pyrolysis and the nanoscale Kirkendall effect. <i>Nanoscale</i> , <b>2018</b> , 10, 13531-13538	7.7	18
249	Influence of morphologies on the electromagnetic and microwave absorbing properties of nickel cobaltite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 14643-14650	2.1	12
248	Changing Face of Wood Science in Modern Era: Contribution of Nanotechnology. <b>2018</b> , 12, 13-21		21
247	Highly enhanced microwave absorption properties of CoFeBSiNb metallic glasses through corrosion. <b>2018</b> , 468, 109-114		7
246	Encapsulating metal nanoparticles inside carbon nanoflakes: a stable absorbent designed from free-standing sandwiched composites. <b>2018</b> , 47, 11713-11721		10
245	Interfacial polymerization preparation of polyaniline fibers/Co <sub>0.2</sub> Ni <sub>0.4</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> urchin-like composite with superior microwave absorption performance. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 669-677	5.7	27
244	Synthesis and Electromagnetic and Microwave Absorption Properties of Monodisperse Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> Composites. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3935-3944	5.6	31
243	Alignment of Boron Nitride Nanofibers in Epoxy Composite Films for Thermal Conductivity and Dielectric Breakdown Strength Improvement. <b>2018</b> , 8,		38
242	Ultrasmall Fe <sub>3</sub> O <sub>4</sub> nanoparticles on MXenes with high microwave absorption performance. <b>2018</b> , 229, 286-289		64
241	Recent Progresses of High-Temperature Microwave-Absorbing Materials. <i>Nano</i> , <b>2018</b> , 13, 1830005	1.1	99
240	Fe <sub>3</sub> O <sub>4</sub> @LAS/RGO composites with a multiple transmission-absorption mechanism and enhanced electromagnetic wave absorption performance. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 510-518	14.7	148
239	Lightweight and highly efficient electromagnetic wave-absorbing of 3D CNTs/GNS@CoFe <sub>2</sub> O <sub>4</sub> ternary composite aerogels. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 768, 6-14	5.7	68
238	Formation mechanism and electromagnetic-microwave-absorbing properties of carbon-encapsulated permalloy nanoparticles prepared by detonation. <b>2018</b> , 220, 1-10		8
237	Progress in low-frequency microwave absorbing materials. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 17122-17136	2.1	102
236	Microstructure and Electrochemical Properties of ZnMn <sub>2</sub> O <sub>4</sub> Nanopowder Synthesized Using Different Surfactants. <b>2018</b> , 47, 6428-6436		20
235	The Distinctly Enhanced Electromagnetic Wave Absorption Properties of FeNi/rGO Nanocomposites Compared with Pure FeNi Alloys. <b>2019</b> , 32, 385-392		12

234	Core-shell nanostructured CS/MoS <sub>2</sub> : A promising material for microwave absorption. <i>Applied Surface Science</i> , <b>2019</b> , 463, 182-189	6.7	38
233	Development of sulfide-doped Graphene/Fe <sub>3</sub> O <sub>4</sub> absorber with wide band electromagnetic absorption performance. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 770, 90-97	5.7	21
232	Design of hierarchical 1D/2D NiCo <sub>2</sub> O <sub>4</sub> as high-performance microwave absorber with strong loss and wide absorbing frequency. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 16287-16297	3.7	7
231	Laminated microwave absorbers of A-site cation deficiency perovskite La <sub>0.8</sub> FeO <sub>3</sub> doped at hybrid RGO carbon. <b>2019</b> , 176, 107246		87
230	Achieving MOF-derived one-dimensional porous ZnO/C nanofiber with lightweight and enhanced microwave response by an electrospinning method. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 806, 983-995	5.7	47
229	Distinct plasmon resonance enhanced microwave absorption of strawberry-like Co/C/Fe/C core-shell hierarchical flowers engineering the diameter and interparticle spacing of Fe/C nanoparticles.. <b>2019</b> , 9, 22644-22655		17
228	Facile synthesis of ellipsoid-like MgCo <sub>2</sub> O <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> composites for strong wideband microwave absorption application. <b>2019</b> , 176, 107240		117
227	Preparation of SiO-MnFeO Composites via One-Pot Hydrothermal Synthesis Method and Microwave Absorption Investigation in S-Band. <b>2019</b> , 24,		12
226	Study of an energy-efficient and cost-friendly electromagnetic shielding material with three-dimensional conductive network fabricated by dispersing NiFeB alloys coated bamboo fibers in a HDPE matrix. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14631-14645	2.1	3
225	Synthesis and electromagnetic wave absorption properties of three-dimensional nano-flower structure of MoS <sub>2</sub> /polyaniline nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 13948-13956	2.1	12
224	Electrospinning of lightweight TiN fibers with superior microwave absorption. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14519-14527	2.1	24
223	Monte Carlo study of the magnetic properties of the rare earth-based perovskite LaSr <sub>2</sub> Cr <sub>3</sub> O <sub>9</sub> . <b>2019</b> , 125, 1		1
222	Graphene anchored with super-tiny Ni nanoparticles for high performance electromagnetic absorption applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14480-14489	2.1	5
221	Novel Microwave Absorber of Ni Mn FeO/Carbonized Chaff (= 0.3, 0.5, and 0.7) Based on Biomass. <b>2019</b> , 4, 12376-12384		8
220	Nitrogen-doped and Fe-filled CNTs/NiCo <sub>2</sub> O <sub>4</sub> porous sponge with tunable microwave absorption performance. <i>Carbon</i> , <b>2019</b> , 153, 737-744	10.4	91
219	Dielectric response and microwave absorption properties of SiC whisker-coated carbon fibers. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 15075-15083	2.1	6
218	Rietveld refinement and FTIR spectroscopic studies of Ni <sup>2+</sup> -substituted Zn-ferrite nanoparticles. <b>2019</b> , 125, 1		8
217	Jute-based porous biomass carbon composited by Fe <sub>3</sub> O <sub>4</sub> nanoparticles as an excellent microwave absorber. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 803, 1119-1126	5.7	32

216	Ultra-thin broccoli-like SCFs@TiO <sub>2</sub> one-dimensional electromagnetic wave absorbing material. <b>2019</b> , 178, 107507		60
215	Low frequency microwave absorption property of CIPs/ZnO/Graphene ternary hybrid prepared via facile high-energy ball milling. <i>Powder Technology</i> , <b>2019</b> , 356, 325-334	5.2	14
214	High-entropy alloy@air@Ni/NiO core-shell microspheres for electromagnetic absorption applications. <b>2019</b> , 179, 107524		58
213	Synthesis of holey reduced graphene oxide covered in the [email protected] <sub>2</sub> and their enhanced electromagnetic absorption properties. <b>2019</b> , 53, 1973-1983		5
212	Double-Shelled Co <sub>3</sub> O <sub>4</sub> /C Nanocages Enabling Polysulfides Adsorption for High-Performance Lithium-Sulfur Batteries. <b>2019</b> , 2, 8153-8162		32
211	Tailorable Topologies for Selectively Controlling Crystals of Expanded Prussian Blue Analogues. <b>2019</b> , 19, 7385-7395		14
210	Two-Step Solvothermal Synthesis of (ZnCoFeO/MnNiFeO)@C-MWCNTs Hybrid with Enhanced Low Frequency Microwave Absorbing Performance. <b>2019</b> , 9,		7
209	The rambutan-like C@NiCo <sub>2</sub> O <sub>4</sub> composites for enhanced microwave absorption performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 3124-3136	2.1	13
208	Rational Construction of Hierarchically Porous Fe-Co/N-Doped Carbon/rGO Composites for Broadband Microwave Absorption. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 76	19.5	83
207	Synthesis of Fe <sub>3</sub> O <sub>4</sub> /carbon foams composites with broadened bandwidth and excellent electromagnetic wave absorption performance. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 127, 105627	8.4	100
206	Strong electromagnetic wave absorption and microwave shielding in the Ni <sub>3</sub> Tu@MoS <sub>2</sub> /rGO composite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 18666-18677	2.1	12
205	Highly Bendable and Durable Waterproof Paper for Ultra-High Electromagnetic Interference Shielding. <b>2019</b> , 11,		15
204	Hydrothermal solvothermal synthesis and microwave absorbing study of MCo <sub>2</sub> O <sub>4</sub> (M = Mn, Ni) microparticles. <b>2019</b> , 118, 466-472		5
203	Synthesis and characterisation of a ternary composite of polyaniline, reduced graphene-oxide and chitosan with reduced optical band gap and stable aqueous dispersibility. <b>2019</b> , 15, 102690		27
202	Large-Scale Synthesis of Three-Dimensional Reduced Graphene Oxide/Nitrogen-Doped Carbon Nanotube Heteronanostructures as Highly Efficient Electromagnetic Wave Absorbing Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39100-39108	9.5	60
201	A facile coprecipitation method to synthesize FeO/Fe decorated graphite sheets with enhanced microwave absorption properties. <b>2019</b> , 30, 185704		9
200	Microwave absorption properties of SiO <sub>2</sub> doped furan resin derived carbon particles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 3359-3364	2.1	4
199	Lightweight TiCT MXene/Poly(vinyl alcohol) Composite Foams for Electromagnetic Wave Shielding with Absorption-Dominated Feature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10198-10207	9.5	266

198	Facile synthesis of Fe <sub>3</sub> O <sub>4</sub> /PANI rod/rGO nanocomposites with giant microwave absorption bandwidth. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 4819-4830	2.1	13
197	Nitrogen-doped carbon sheets coated on CoNiO <sub>2</sub> @textile carbon as bifunctional electrodes for asymmetric supercapacitors. <b>2019</b> , 7, 4165-4174		49
196	Preparation of microwave absorbing Co-C nanofibers with robust superhydrophobic properties by electrospinning. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 3365-3377	2.1	11
195	Effect of Er <sup>3+</sup> substitution on structural and magnetic properties of narrow size distributed ZnFe <sub>2</sub> Er <sub>x</sub> O <sub>4</sub> nanoparticles. <b>2019</b> , 125, 1		0
194	Interfacial polarizations induced by incorporating traditional perovskites into reduced graphene oxide (RGO) for strong microwave response. <b>2019</b> , 48, 2359-2366		11
193	Two-dimensional MoS <sub>2</sub> modified using CoFe <sub>2</sub> O <sub>4</sub> nanoparticles with enhanced microwave response in the X and Ku band. <b>2019</b> , 6, 590-597		57
192	Symmetrical polyhedron-bowl Co/CoO with hexagonal plate to forward electromagnetic wave absorption ability. <b>2019</b> , 21, 816-826		64
191	A review of metal oxide-related microwave absorbing materials from the dimension and morphology perspective. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 10961-10984	2.1	57
190	Facile fabrication of SiC/Fe <sub>x</sub> O <sub>y</sub> embellished graphite layers with enhanced electromagnetic wave absorption. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 798, 386-393	5.7	8
189	Surfactants assisted SnO <sub>2</sub> nanoparticles synthesized by a hydrothermal approach and potential applications in water purification and energy conversion. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 13174-13190	2.1	8
188	Promising TiCT MXene/Ni Chain Hybrid with Excellent Electromagnetic Wave Absorption and Shielding Capacity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 25399-25409	9.5	183
187	Effect of powder characteristics on the thermal conductivity and mechanical properties of Si <sub>3</sub> N <sub>4</sub> ceramics sintered by Spark plasma sintering. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 7590-7599	2.1	2
186	Synthesis of fish skin-derived 3D carbon foams with broadened bandwidth and excellent electromagnetic wave absorption performance. <i>Carbon</i> , <b>2019</b> , 152, 827-836	10.4	203
185	Core@shell structured flower-like Co <sub>0.6</sub> Fe <sub>2.4</sub> O <sub>4</sub> @MoS <sub>2</sub> nanocomposites: a strong absorption and broadband electromagnetic wave absorber. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8975-8981	7.1	66
184	Tuning the inner hollow structure of lightweight amorphous carbon for enhanced microwave absorption. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121914	14.7	43
183	Surfactant-free carbon black@graphene conductive ink for flexible electronics. <b>2019</b> , 54, 11157-11167		6
182	Electromagnetic shielding effectiveness and electrical conductivity of a thin silver layer deposited onto cellulose film via electroless plating. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 12044-12053	2.1	5
181	Enhanced electromagnetic wave absorption of worm-like hollow porous MnO@C/CNTs composites. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 1086-1094	5.7	13

180	Removal of oxytetracycline by Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> /modified zeolite composites under visible light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 9087-9096	2.1	3
179	Thin carbon nanostructure mat with high electromagnetic interference shielding performance. <b>2019</b> , 253, 48-56		5
178	High temperature anti-oxidative and tunable wave absorbing SiC/Fe <sub>3</sub> Si/CNTs composite ceramic derived from a novel polysilyacetylene. <i>Ceramics International</i> , <b>2019</b> , 45, 16369-16379	5.1	16
177	Electrospinning Synthesis of Porous NiCo <sub>2</sub> O <sub>4</sub> Nanofibers as High-Performance Anode for Lithium-Ion Batteries. <b>2019</b> , 36, 1900109		11
176	Ultra-wideband microwave absorber via an integrated metasurface and impedance-matching lattice design. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 31LT01	3	5
175	Combination of various grain sizes from nano to micron in polycrystalline holmium manganite (HoMnO <sub>3</sub> ) as potential microwave absorbing application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 10742-10753	2.1	1
174	Electrospun carbon nanofibers loaded with spinel-type cobalt oxide as bifunctional catalysts for enhanced oxygen electrocatalysis. <i>Journal of Energy Storage</i> , <b>2019</b> , 23, 269-277	7.8	24
173	Engineering morphology configurations of hierarchical flower-like MoSe <sub>2</sub> spheres enable excellent low-frequency and selective microwave response properties. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 390-398	14.7	164
172	Edge-oriented MoS <sub>2</sub> supported on nickel/carbon core-shell nanospheres for enhanced hydrogen evolution reaction performance. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 6146-6152	3.6	17
171	Preparation of ternary Pt <sub>3</sub> NiO <sub>2</sub> ZnO hybrids and investigation of its photocatalytic performance toward methyl orange. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 5158-5169	2.1	15
170	Mesoporous carbon hollow microspheres with tunable pore size and shell thickness as efficient electromagnetic wave absorbers. <b>2019</b> , 167, 690-699		125
169	Modulation of the structure and magnetic properties of the Ni <sub>1-x</sub> Co <sub>2-y</sub> O <sub>4</sub> powders by hydrothermal temperature. <b>2019</b> , 561, 147-154		3
168	High-Temperature Oxidation-Resistant ZrNB/SiC Nanohybrid for Enhanced Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15869-15880	9.5	110
167	Novel multilayer-like structure of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /CNZF composites for low-frequency electromagnetic absorption. <b>2019</b> , 248, 214-217		34
166	Constructing a tunable heterogeneous interface in bimetallic metal-organic frameworks derived porous carbon for excellent microwave absorption performance. <i>Carbon</i> , <b>2019</b> , 148, 421-429	10.4	70
165	Synthesis and analysing the structural, optical, morphological, photocatalytic and magnetic properties of TiO <sub>2</sub> and doped (Ni and Cu) TiO <sub>2</sub> nanoparticles by sol-gel technique. <b>2019</b> , 125, 1		27
164	Composition and Structure Design of Co <sub>3</sub> O <sub>4</sub> Nanowires Network by Nickel Foam with Effective Electromagnetic Performance in C and X Band. <b>2019</b> , 7, 5543-5552		38
163	Metal-organic framework derived NiMo polyhedron as an efficient hydrogen evolution reaction electrocatalyst. <i>Applied Surface Science</i> , <b>2019</b> , 478, 916-923	6.7	32

162	New insights into element migration on La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\lambda</math></sub> cathodes of intermediate temperature solid oxide fuel cells. <b>2019</b> , 334, 145-151		11
161	Porous C/Ni composites derived from fluid coke for ultra-wide bandwidth electromagnetic wave absorption performance. <i>Chemical Engineering Journal</i> , <b>2019</b> , 366, 415-422	14.7	25
160	Thin and broadband Ce <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> - $\gamma$ -MWCNTs composite absorber with efficient microwave absorption. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 787, 1097-1103	5.7	13
159	Facile synthesis of hierarchical chrysanthemum-like copper cobaltate-copper oxide composites for enhanced microwave absorption performance. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 533, 481-491	9.3	155
158	Easy synthesis of multi-shelled ZnO hollow spheres and their conversion into hedgehog-like ZnO hollow spheres with superior rate performance for lithium ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 464, 472-478	6.7	98
157	Metal organic framework (ZIF-67)-derived hollow CoS <sub>2</sub> /N-doped carbon nanotube composites for extraordinary electromagnetic wave absorption. <b>2019</b> , 163, 67-76		132
156	Broadband microwave absorption of Fe <sub>3</sub> O <sub>4</sub> /BaTiO <sub>3</sub> composites enhanced by interfacial polarization and impedance matching. <b>2019</b> , 163, 598-605		56
155	Preparation and electromagnetic wave absorption performance of Fe <sub>3</sub> Si/SiC@SiO <sub>2</sub> nanocomposites. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 619-627	14.7	63
154	Coupling Fe@Fe <sub>3</sub> O <sub>4</sub> nanoparticles with multiple-walled carbon nanotubes with width band electromagnetic absorption performance. <i>Applied Surface Science</i> , <b>2019</b> , 467-468, 836-843	6.7	25
153	Investigation and optimization of Fe/ZnFeO as a Wide-band electromagnetic absorber. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 536, 548-555	9.3	122
152	The design and the preparation of mesoporous Ag <sub>3</sub> PO <sub>4</sub> nanorod/SrFe <sub>12</sub> O <sub>19</sub> hexagonal nanoflake heterostructure for excellent microwave absorption. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 775, 225-232	5.7	38
151	Synthesis of porous carbon matrix with inlaid Fe <sub>3</sub> C/Fe <sub>3</sub> O <sub>4</sub> micro-particles as an effective electromagnetic wave absorber from natural wood shavings. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 775, 800-809	5.7	84
150	Simple, controllable fabrication and electromagnetic wave absorption properties of hollow Ni nanosphere. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 2166-2176	2.1	3
149	Fabrication of MnO <sub>2</sub> @Fe rod-like composite with controllable weight ratios of Fe/MnO <sub>2</sub> and excellent wideband electromagnetic absorption performance. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 773, 150-157	5.7	18
148	Microwave-assisted self-reduction of composite briquettes of zinc ferrite and carbonaceous materials. <i>Powder Technology</i> , <b>2019</b> , 342, 224-232	5.2	15
147	Fe/Co/Ni mixed oxide nanoparticles supported on oxidized multi-walled carbon nanotubes as electrocatalysts for the oxygen reduction and the oxygen evolution reactions in alkaline media. <b>2020</b> , 357, 259-268		30
146	Wire-in-tube ZnO@carbon by molecular layer deposition: Accurately tunable electromagnetic parameters and remarkable microwave absorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122860	14.7	61
145	Novel binary cobalt nickel oxide hollowed-out spheres for electromagnetic absorption applications. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122797	14.7	123

144	Synthesis of Single-Component Metal Oxides with Controllable Multi-Shelled Structure and their Morphology-Related Applications. <b>2020</b> , 20, 102-119		43
143	MoS <sub>2</sub> spheres decorated on hollow porous ZnO microspheres with strong wideband microwave absorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122625	14.7	133
142	Microstructural and magnetic evolution of MnZn/FeSiAl composites synthesized by mechanochemistry. <i>Ceramics International</i> , <b>2020</b> , 46, 1784-1792	5.1	5
141	Preparation of two-dimensional titanium carbide (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) and NiCo <sub>2</sub> O <sub>4</sub> composites to achieve excellent microwave absorption properties. <b>2020</b> , 180, 107577		121
140	Sodium citrate assisted hydrothermal synthesis of nickel cobaltate absorbers with tunable morphology and complex dielectric parameters toward efficient electromagnetic wave absorption. <i>Applied Surface Science</i> , <b>2020</b> , 504, 144480	6.7	67
139	Design of controlled-morphology NiCo <sub>2</sub> O <sub>4</sub> with tunable and excellent microwave absorption performance. <i>Ceramics International</i> , <b>2020</b> , 46, 7833-7841	5.1	43
138	Facile fabrication hierarchical urchin-like C/NiCo <sub>2</sub> O <sub>4</sub> /ZnO composites as excellent microwave absorbers. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153491	5.7	27
137	Synthesis and Catalytic Properties of Porous Metal Silica Materials Templated and Functionalized by Extended Coordination Cages. <b>2020</b> , 59, 767-776		8
136	Enhanced Electromagnetic Wave-Absorbing Performance of Magnetic Nanoparticles-Anchored 2D TiCT MXene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2644-2654	9.5	98
135	Enhanced microwave absorption performance of Fe <sub>3</sub> O <sub>4</sub> /Cu composites with coexistence of nanospheres and nanorods. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 817, 152764	5.7	17
134	Synthesis and electrochemical properties of Co-doped (hbox {ZnMn}_{2}hbox {O}_{4}) hollow nanospheres. <b>2020</b> , 43, 1		4
133	Three-dimensional architectures assembled with branched metal nanoparticle-encapsulated nitrogen-doped carbon nanotube arrays for absorption of electromagnetic wave. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153267	5.7	12
132	NiCo <sub>2</sub> O <sub>4</sub> constructed by different dimensions of building blocks with superior electromagnetic wave absorption performance. <b>2020</b> , 182, 107620		71
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130	Erbium-chromium substituted strontium hexaferrite particles: Characterization of the physical and Ku-band microwave absorption properties. <b>2020</b> , 262, 114796		8
129	Using Ca <sub>2</sub> 9Nd <sub>0.1</sub> Co <sub>4</sub> O <sub>9</sub> + $\delta$ perovskites to convert a flexible carbon nanotube based supercapacitor to a battery-like device. <i>Electrochimica Acta</i> , <b>2020</b> , 355, 136768	6.7	1
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127	Hierarchical dense Ni <sub>2</sub> O layered double hydroxide supported carbon nanofibers for the electrochemical determination of metronidazole in biological samples. <i>Electrochimica Acta</i> , <b>2020</b> , 354, 136723	6.7	19



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125	Recycling of waste straw in sorghum for preparation of biochar/(Fe,Ni) hybrid aimed at significant electromagnetic absorbing of low-frequency band. <b>2020</b> , 9, 14212-14222		9
124	The strain induced magnetic and anisotropic variations of LaCoO <sub>3</sub> thin films. <b>2020</b> , 515, 167303		4
123	Recent advances and prospect of cobalt based microwave absorbing materials. <i>Ceramics International</i> , <b>2020</b> , 46, 26466-26485	5.1	24
122	Boosting alkaline hydrogen evolution: the dominating role of interior modification in surface electrocatalysis. <b>2020</b> , 13, 3110-3118		43
121	Surface state effect on gas sensitivity in nano-hierarchical tin oxide. <i>Ceramics International</i> , <b>2020</b> , 46, 26871-26879	5.1	3
120	Spinel oxides wrapped on electrospun carbon nanofibers: Superior electrocatalysts boosted by enhanced conductivity and rich oxygen vacancies. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 22873-22882	6.7	4
119	In-situ synthesis of layered porous coal-derived carbon/Ni magnetic composites with promising microwave absorption performance. <b>2020</b> , 513, 167231		11
118	The microwave electromagnetic and absorption properties of Fe-Si-B-P-C glassy powders under chemical corrosion. <b>2020</b> , 549, 120352		
117	Recent Progress in Ferrite Microwave Absorbing Composites. <b>2020</b> , 211, 82-101		8
116	Combination of pumpkin-derived biochar with nickel ferrite/FeNi <sub>3</sub> toward low frequency electromagnetic absorption. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 1	2.1	2
115	Investigation on the critical factors of MoSe <sub>2</sub> -based microwave absorbing property. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 1	2.1	1
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110	One-step plasma electrochemical synthesis and oxygen electrocatalysis of nanocomposite of few-layer graphene structures with cobalt oxides. <b>2020</b> , 17, 100459		3
109	Glycine-assisted solution combustion synthesis of NiCo <sub>2</sub> O <sub>4</sub> electromagnetic wave absorber with wide absorption bandwidth. <i>Ceramics International</i> , <b>2020</b> , 46, 22313-22320	5.1	10

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105	Delamination strategy to achieve Ti3C2Tx/CNZF composites with tunable electromagnetic absorption. <b>2020</b> , 112, 105008		16
104	Enhanced Microwave Absorption and Electromagnetic Properties of Si-Modified rGO@FeO/PVDF--HFP Composites. <i>Materials</i> , <b>2020</b> , 13,	3.5	7
103	Apium-derived biochar loaded with MnFe2O4@C for excellent low frequency electromagnetic wave absorption. <i>Ceramics International</i> , <b>2020</b> , 46, 13641-13650	5.1	25
102	Highly Interconnected Nanorods and Nanosheets Based on a Hierarchically Layered MetalOrganic Framework for a Flexible, High-Performance Energy Storage Device. <b>2020</b> , 8, 3773-3785		23
101	Near-Infrared Spectroscopic Study of Heavy-Metal-Contaminated Loess Soils in Tongguan Gold Area, Central China. <b>2020</b> , 10, 89		3
100	Filter paper templated one-dimensional NiO/NiCoO microrod with wideband electromagnetic wave absorption capacity. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 566, 347-356	9.3	45
99	Phase and morphology evolution of high dielectric CoO/Co3O4 particles with Co3O4 nanoneedles on surface for excellent microwave absorption application. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125203	14.7	66
98	Dual-template hydrothermal synthesis of multi-channel porous NiCo2O4 hollow spheres as high-performance electromagnetic wave absorber. <i>Applied Surface Science</i> , <b>2020</b> , 515, 146132	6.7	51
97	Phosphate ion and oxygen defect-modulated nickel cobaltite nanowires: a bifunctional cathode for flexible hybrid supercapacitors and microbial fuel cells. <b>2020</b> , 8, 8722-8730		10
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91	Delafossite type CuCo0.5Ti0.5O2 composite structure: A futuristic ceramics for supercapacitor and EMI shielding application. <i>Ceramics International</i> , <b>2021</b> , 47, 9907-9922	5.1	4

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89	Preparing high purity $\text{Ti}_2\text{O}_5$ and $\text{Li/Ti}_2\text{O}_5$ as high-performance electromagnetic wave absorbers. <i>Journal of Materials Chemistry C</i> ,	7.1	2
88	Compressible and flexible PPy@MoS/C microwave absorption foam with strong dielectric polarization from 2D semiconductor intermediate sandwich structure. <i>Nanoscale</i> , <b>2021</b> , 13, 5115-5124	7.7	7
87	Field-dependent Morin Transition and Temperature-Dependent Spin-flop in Synthetic Hematite Nanoparticles. <i>Current Nanoscience</i> , <b>2021</b> , 16, 967-975	1.4	1
86	Fabrication of N-Doped Reduced Graphite Oxide/MnCoO Nanocomposites for Enhanced Microwave Absorption Performance. <i>Langmuir</i> , <b>2021</b> , 37, 2213-2226	4	8
85	Recent Trends in Nanoelectronic Device Fabrication. <i>Current Nanoscience</i> , <b>2021</b> , 16, 851-862	1.4	
84	Defect Induced Polarization Loss in Multi-Shelled Spinel Hollow Spheres for Electromagnetic Wave Absorption Application. <i>Advanced Science</i> , <b>2021</b> , 8, 2004640	13.6	69
83	Facile preparation of cotton-derived carbon fibers loaded with hollow $\text{Fe}_3\text{O}_4$ and CoFe NPs for significant low-frequency electromagnetic absorption. <i>Powder Technology</i> , <b>2021</b> , 380, 134-142	5.2	7
82	Electromagnetic wave-absorbing performance of carbons, carbides, oxides, ferrites and sulfides: review and perspective. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 203001	3	28
81	Construction of multiple interfaces and dielectric/magnetic heterostructures in electromagnetic wave absorbers with enhanced absorption performance: A review. <i>Journal of Materiomics</i> , <b>2021</b> ,	6.7	27
80	Ethylenediamine-assisted hydrothermal synthesis of NiCoO absorber with controlled morphology and excellent absorbing performance. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 588, 336-345	9.3	43
79	Outstanding stability and photoelectrochemical catalytic performance of (Fe, Ni) co-doped $\text{Co}_3\text{O}_4$ photoelectrodes for solar hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 12915-12935	6.7	35
78	Boosted electromagnetic wave absorption performance from vacancies, defects and interfaces engineering in $\text{Co}(\text{OH})\text{F}/\text{Zn}_0.76\text{Co}_0.24\text{S}/\text{Co}_3\text{S}_4$ composite. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128601	14.7	33
77	Decreasing the complex permittivity to enhance microwave absorption properties of flaky $\text{FeSiAl}/\text{MnZn}$ ferrites composites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18371-18380	3.1	1
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75	Self-supported construction of three-dimensional $\text{NiCo}_2\text{O}_4$ hierarchical nanoneedles for high-performance microwave absorption. <i>Ceramics International</i> , <b>2021</b> ,	5.1	1
74	Liquid Metal-Derived Two-Dimensional Layered Double Oxide Nanoplatelet-Based Coatings for Electromagnetic Wave Absorption. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 9200-9212	5.6	8
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71	Detecting cadmium contamination in loessal soils using near-infrared spectroscopy in the Xiaoqinling gold area. <i>Energy and Environment</i> , 0958305X2110301	2.4	
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69	Tailoring high-electroconductivity carbon cloth coated by nickel cobaltate/nickel oxide: A case of transition from microwave shielding to absorption. <i>Carbon</i> , <b>2021</b> , 183, 138-149	10.4	22
68	Insight into photoelectrocatalytic mechanisms of bifunctional cobaltite hollow-nanofibers towards oxygen evolution and oxygen reduction reactions for high-energy zinc-air batteries. <i>Electrochimica Acta</i> , <b>2021</b> , 392, 139022	6.7	3
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66	Size-controllable porous flower-like NiCoO fabricated via sodium tartrate assisted hydrothermal synthesis for lightweight electromagnetic absorber. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 834-845	9.3	3
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62	Rapid and direct growth of bipyramid TiO <sub>2</sub> from Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene to prepare Ni/TiO <sub>2</sub> /C heterogeneous composites for high-performance microwave absorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123095	14.7	57
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44	Surface plasmon resonance-enhanced dielectric polarization endows coral-like Co@CoO nanostructures with good electromagnetic wave absorption performance. <i>Applied Surface Science</i> , <b>2022</b> , 585, 152704	6.7	2
43	Electromagnetic wave absorption performance and mechanism of Co/C composites derived from different cobalt source ZIF-67: a comparative study. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 5730	2.1	0
42	Dielectric Loss Mechanism in Electromagnetic Wave Absorbing Materials.. <i>Advanced Science</i> , <b>2022</b> , e2105553	15.3	37
41	Constructing interpenetrating structured NiCoO/HCNT composites with heterogeneous interfaces as low-thickness microwave absorber.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 616, 44-54	9.3	0
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39	Sustainable Microwave Absorbing Material based on Macadamia Nutshell Derived Porous Carbon. <i>Nano</i> ,	1.1	1
38	Microstructure induced dielectric loss in lightweight FeO foam for electromagnetic wave absorption.. <i>IScience</i> , <b>2022</b> , 25, 103925	6.1	5
37	Anion-Doping-Induced Vacancy Engineering of Cobalt Sulfoselenide for Boosting Electromagnetic Wave Absorption. <i>Advanced Functional Materials</i> , 2200544	15.6	6

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34	Electromagnetic absorption materials: Current progress and new frontiers. <i>Progress in Materials Science</i> , <b>2022</b> , 127, 100946	42.2	21
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32	Enhancing the Low/Middle-Frequency Electromagnetic Wave Absorption of Metal Sulfides through F Regulation Engineering. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2110496	15.6	11
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28	Effects of Dysprosium Substitution on the Structure, Magnetic Properties and Microwave Absorption Properties of Z-Type Hexaferrite Synthesized by Sol-Gel Method. <i>SSRN Electronic Journal</i> ,	1	
27	Facile Preparation of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Mxene @Zn-Mn Ferrite Composites and Their Excellent Microwave Absorption Performance. <i>SSRN Electronic Journal</i> ,	1	
26	Comparative supercapacitive analysis of 2-methylimidazole derived cobalt nickel oxides (CoNiO <sub>2</sub> and Co <sub>2</sub> NiO <sub>4</sub> ) and subsequent fabrication of asymmetric supercapacitor devices. <i>Journal of Energy Storage</i> , <b>2022</b> , 52, 104993	7.8	0
25	Sustainable Kapok Fiber-Derived Carbon Microtube as Broadband Microwave Absorbing Material. <i>Materials</i> , <b>2022</b> , 15, 4845	3.5	1
24	Reduced graphene oxide(rGO)-Ferrite composite inks and their printed meta-structures as an adaptable EMI shielding material. 1-21		1
23	Effects of dysprosium substitution on the structure, magnetic properties and microwave absorption properties of Z-type hexaferrite Ba <sub>3</sub> Co <sub>2</sub> Fe <sub>24</sub> O <sub>41</sub> synthesized by the sol-gel method. <b>2022</b> , 20, 1603-1615		0
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21	A novel core/shell cuprous oxide-based structure with improved microwave absorbing and antibacterial performance. <b>2022</b> , 134419		0
20	Silver-Sandwiched Natural Rubber/St-LDH/MWCNT Hybrid Bio-Nano-Composite System as a High-Performing Multimedia Laminated Electromagnetic Interference Shield Through a Tripling Mechanism.		0
19	Electroless plating silver nanoparticles mixed in oxidized microcrystalline cellulose for microwave absorption applications.		0

- 18 From core@shell ZnSe/FeSe<sub>2</sub>@MoSe<sub>2</sub> to core@shell@shell magnetic ZnFe<sub>2</sub>O<sub>4</sub>@C@MoSe<sub>2</sub> flower-like nanocomposites: An effective strategy to boost microwave absorption performance of MoSe<sub>2</sub>-based nanocomposites. **2023**, 30, 100952 ○
- 17 3D flower-shape Co/Cu bimetallic nanocomposites with excellent wideband electromagnetic microwave absorption. **2022**, 156219 ○
- 16 Defect-induced dipole polarization engineering of electromagnetic wave absorbers: Insights and perspectives. **2022**, 110479 ○
- 15 Integrated design and fabrication strategies based on bioprinting for skeletal muscle regeneration: Current status and future perspectives. **2023**, 225, 111591 ○
- 14 Construction of Co<sub>2</sub>NiO<sub>4</sub>@MnCo<sub>2</sub>O<sub>4.5</sub> nanoparticles with multiple hetero-interfaces for enhanced electromagnetic wave absorption. **2023**, ○
- 13 Highly stable Fe<sub>2</sub>O<sub>3</sub>@SnO<sub>2</sub>@HNCS hollow nanospheres with enhanced lithium-ion battery performance. ○
- 12 Top-down construction strategy toward sustainable cellulose composite paper with tunable electromagnetic interference shielding. **2023**, 31, 100962 ○
- 11 A broadband and strong microwave absorption of Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene/PPy composites with a core-shell structure. **2023**, 293, 117254 ○
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- 5 3D skeletal porous nanocage of ternary metallic oxide with excellent electromagnetic wave absorption. **2023**, 462, 141983 ○
- 4 Physical properties of Ni: Co<sub>3</sub>O<sub>4</sub> thin films and their electrochemical performance. **2023**, 98, 045816 ○
- 3 Steered electrical pathways of plasmonic metal-semiconductor heterostructures via crystal-phase-dependent selective deposition. **2023**, 39, 101558 ○
- 2 Construction of Bi<sub>2</sub>S<sub>3</sub>/Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> layered composites for highly efficient electromagnetic wave absorption. **2023**, 4, 101345 ○
- 1 MoO<sub>3</sub>-MoC/Co@NC coupled heterostructures with strong connections and abundant interfaces for electromagnetic wave absorption. **2023**, 668, 131427 ○

