## The effects of temperature and frequency on the dielect interference shielding and microwave-absorption of sh

Carbon 48, 788-796 DOI: 10.1016/j.carbon.2009.10.028

**Citation Report** 

#	Article	IF	CITATIONS
1	Dielectric and impedance properties' studies of the of lead doped (PbO)-Co2Y type hexaferrite (Ba2Co2Fe12O22 (Co2Y)). Materials Chemistry and Physics, 2010, 123, 35-39.	2.0	108
2	Effect of hydrostatic pressure on the electrical properties of blend vulcanizates loaded with paraffin wax. Materials & Design, 2010, 31, 3207-3214.	5.1	1
3	Dynamic compressive response and failure behavior of fiber polymer composites embedded with tetra-needle-like ZnO nanowhiskers. Composite Structures, 2010, 92, 2984-2991.	3.1	20
4	Deposition Behavior and Mechanism of Ni Nanoparticles on Surface of SiC Particles in Solution Systems. Chinese Physics Letters, 2010, 27, 058103.	1.3	11
5	Preparation and microwave absorption properties of basalt fiber/nickel core–shell heterostructures. Journal of Alloys and Compounds, 2010, 495, 254-259.	2.8	80
6	New electromagnetic wave shielding effectiveness at microwave frequency of polyvinyl chloride reinforced graphite/copper nanoparticles. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1693-1701.	3.8	112
7	Facile and Efficient Route to Polyimide-TiO <sub>2</sub> Nanocomposite Coating onto Carbon Fiber. ACS Applied Materials & Interfaces, 2011, 3, 4744-4750.	4.0	43
8	The Effect of Filler Morphology and Distribution on Electrical and Shielding Properties of Graphite-Epoxy Composites. Molecular Crystals and Liquid Crystals, 2011, 535, 179-188.	0.4	40
9	Impedance and modulus studies of magnetic ceramic oxide Ba2Co2Fe12O22 (Co2Y) doped with Bi2O3. Journal of Applied Physics, 2011, 110, .	1.1	151
10	Facile Synthesis of Size-Controlled Silver Nanoparticles Using Plant Tannin Grafted Collagen Fiber As Reductant and Stabilizer for Microwave Absorption Application in the Whole Ku Band. Journal of Physical Chemistry C, 2011, 115, 23688-23694.	1.5	66
11	Influence of ZnO content and annealing temperature on the dielectric properties of ZnO/Al2O3 composite coatings. Journal of Alloys and Compounds, 2011, 509, 5903-5907.	2.8	17
12	Design of mesostructured Î <sup>3</sup> -Fe2O3/carbon nanocomposites for electromagnetic wave absorption applications. Journal of Alloys and Compounds, 2011, 509, 8211-8214.	2.8	55
13	Study of the temperature and organic bindings effects in the dielectric and structural properties of the lithium ferrite ceramic matrix (LiFe5O8). Journal of Alloys and Compounds, 2011, 509, 9466-9471.	2.8	11
14	A Method to Adjust Dielectric Property of SiC Powder in the GHz Range. Journal of Materials Science and Technology, 2011, 27, 421-425.	5.6	9
15	Synthesis and Electromagnetic Shielding Property of Pyrolytic Carbonâ€ <b>s</b> ilicon Nitride Ceramics with Dense Silicon Nitride Coating. Journal of the American Ceramic Society, 2012, 95, 1038-1041.	1.9	9
16	Influence of graphite nanosheets on the structure and properties of PVC-based nanocomposites. Journal of Applied Polymer Science, 2011, 120, 3628-3634.	1.3	25
17	MWCNTs/SiO <sub>2</sub> Composite System: Carrier Transmission, Twin-Percolation and Dielectric Properties. Chinese Physics Letters, 2011, 28, 107701.	1.3	5
18	Effect of interphase on effective permittivity of composites. Journal Physics D: Applied Physics, 2011, 44, 115402.	1.3	20

#	Article	IF	Citations
19	High-Temperature Permittivity and Data-Mining of Silicon Dioxide at GHz Band. Chinese Physics Letters, 2012, 29, 027701.	1.3	6
20	Comparison of electromagnetic interference shielding properties between single-wall carbon nanotube and graphene sheet/polyaniline composites. Journal Physics D: Applied Physics, 2012, 45, 235108.	1.3	159
21	Influence of pyrolytic carbon coatings on complex permittivity and microwave absorbing properties of Al2O3 fiber woven fabrics. Transactions of Nonferrous Metals Society of China, 2012, 22, 354-359.	1.7	27
22	A New Method to Calculate the Degree of Electromagnetic Impedance Matching in One-Layer Microwave Absorbers. Chinese Physics Letters, 2012, 29, 038401.	1.3	107
23	Green dielectric materials composed of natural graphite minerals and biodegradable polymer. RSC Advances, 2012, 2, 8793.	1.7	19
24	Synthesis and microwave electromagnetic properties of nanosized titanium nitride. Journal of Materials Chemistry, 2012, 22, 3370.	6.7	83
25	Graphene/polyaniline nanorod arrays: synthesis and excellent electromagnetic absorption properties. Journal of Materials Chemistry, 2012, 22, 21679.	6.7	455
26	Plasma sprayed Al2O3/FeCrAl composite coatings for electromagnetic wave absorption application. Applied Surface Science, 2012, 258, 2691-2696.	3.1	49
27	Oxidized electroplating zinc-covered carbon fibers as microwave absorption materials. Journal of Alloys and Compounds, 2012, 524, 59-62.	2.8	27
28	Fabrication of Si3N4–SiBC composite ceramic and its excellent electromagnetic properties. Journal of the European Ceramic Society, 2012, 32, 4025-4029.	2.8	34
29	Dielectric and microwave-absorption properties of the partially carbonized PAN cloth/epoxy–silicone composites. Composites Part B: Engineering, 2012, 43, 2980-2984.	5.9	11
30	Influence of iron (III) acetylacetonate on structure and electrical conductivity of Fe3O4/carbon composite nanofibers. Polymer, 2012, 53, 6000-6007.	1.8	18
31	Ferroferric Oxide/Multiwalled Carbon Nanotube vs Polyaniline/Ferroferric Oxide/Multiwalled Carbon Nanotube Multiheterostructures for Highly Effective Microwave Absorption. ACS Applied Materials & Interfaces, 2012, 4, 6949-6956.	4.0	823
32	Study of Heavy Crude Oil Flows in Pipelines with Electromagnetic Heaters. Energy & Fuels, 2012, 26, 4426-4437.	2.5	17
33	THE USE OF DIELECTRIC MIXTURE EQUATIONS TO ANALYZE THE DIELECTRIC PROPERTIES OF A MIXTURE OF RUBBER TIRE DUST AND RICE HUSKS IN A MICROWAVE ABSORBER. Progress in Electromagnetics Research, 2012, 129, 559-578.	1.6	22
34	Multiscale electronic transport mechanism and true conductivities in amorphous carbon–LiFePO <sub>4</sub> nanocomposites. Journal of Materials Chemistry, 2012, 22, 2641-2649.	6.7	63
35	Dielectric, electromagnetic absorption and interference shielding properties of porous yttria-stabilized zirconia/silicon carbide composites. Ceramics International, 2012, 38, 2421-2427.	2.3	119
36	Effects of BaTiO3 and FeAlSi as fillers on the magnetic, dielectric and microwave absorption characteristics of the epoxy-based composites. Ceramics International 2012, 38, 3553-3562	2.3	38

#	Article	IF	CITATIONS
37	Effects of diameter and hollow structure on the microwave absorption properties of short carbon fibers. Ceramics International, 2012, 38, 4867-4873.	2.3	77
38	Effect of Aluminum Doping on Microwave Absorption Properties of <scp><scp>ZnO</scp></scp> / <scp><scp>ZrSiO</scp></scp> <sub>4</sub> Composite Ceramics. Journal of the American Ceramic Society, 2012, 95, 3158-3165.	1.9	67
39	Synthesis of zinc oxide particles coated multiwalled carbon nanotubes: Dielectric properties, electromagnetic interference shielding and microwave absorption. Materials Research Bulletin, 2012, 47, 1747-1754.	2.7	122
40	Preparation and microwave absorbing property of silver-coated graphite nanosheet NanoG with Pyrrole. Materials Letters, 2012, 66, 229-232.	1.3	28
41	Synthesis, electromagnetic reflection loss and oxidation resistance of pyrolytic carbon-Si3N4 ceramics with dense Si3N4 coating. Journal of the European Ceramic Society, 2012, 32, 1485-1489.	2.8	31
42	Controlled synthesis and shape-dependent electromagnetic wave absorption characteristics of porous Fe3O4 sub-micro particles. Science China: Physics, Mechanics and Astronomy, 2012, 55, 25-32.	2.0	5
43	Electrical conductivity and microwave absorption of shortened multi-walled carbon nanotube/alumina ceramic composites. Ceramics International, 2013, 39, 5979-5983.	2.3	63
44	Microwave Absorbing Performances of Silica Matrix Composites Reinforced by Carbon Nanotubes and Carbon Fiber. International Journal of Applied Ceramic Technology, 2013, 10, 245-250.	1.1	8
45	Highâ€Temperature Electromagnetic Wave Absorption Properties of <scp><scp>ZnO</scp></scp> / <scp>ZrSiO</scp> <sub>4</sub> Composite Ceramics. Journal of the American Ceramic Society, 2013, 96, 2211-2217.	1.9	54
46	Combustion synthesis and microwave absorption property of SiC(Fe) solid solution powder under different reaction time. Journal of Materials Science: Materials in Electronics, 2013, 24, 1905-1912.	1.1	20
47	Short-carbon-fiber reinforced alumina ceramic with improved mechanical property and dielectric property in the Ku-band. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1944-1949.	0.8	7
48	Electromagnetic properties of SiO2 reinforced with both multi-wall carbon nanotubes and ZnO particles. Carbon, 2013, 64, 541-544.	5.4	49
49	Temperature dependent microwave attenuation behavior for carbon-nanotube/silica composites. Carbon, 2013, 65, 124-139.	5.4	1,009
50	Carbon materials with quasi-graphene layers: The dielectric, percolation properties and the electronic transport mechanism. Chinese Physics B, 2013, 22, 037701.	0.7	15
51	Dielectric properties of BN modified carbon fibers by dip-coating. Ceramics International, 2013, 39, 6569-6576.	2.3	42
52	Stacking faults induced high dielectric permittivity of SiC wires. Applied Physics Letters, 2013, 103, .	1.5	79
53	Structure, ferromagnetism and microwave absorption properties of La substituted BiFeO3 nanoparticles. Materials Letters, 2013, 111, 130-133.	1.3	47
54	Mechanical and dielectric properties of shortâ€carbonâ€fibers/epoxyâ€modifiedâ€organicâ€siliconeâ€resin as he resistant microwave absorbing coatings. Journal of Applied Polymer Science, 2013, 130, 1392-1398.	at 1.3	10

#	Article	IF	CITATIONS
55	Synthesis and growth mechanism of 3D α-MnO2 clusters and their application in polymer composites with enhanced microwave absorption properties. RSC Advances, 2013, 3, 18009.	1.7	49
56	Electromagnetic Wave Absorption Properties of Reduced Graphene Oxide Modified by Maghemite Colloidal Nanoparticle Clusters. Journal of Physical Chemistry C, 2013, 117, 19701-19711.	1.5	322
57	Complex Permittivity and Microwaveâ€Absorbing Properties of Fe/Al <sub>2</sub> O <sub>3</sub> Coatings by Air Plasma Spraying Technique. International Journal of Applied Ceramic Technology, 2013, 10, E88.	1.1	18
58	Ni-decorated SiC powders: Enhanced high-temperature dielectric properties and microwave absorption performance. Powder Technology, 2013, 237, 309-313.	2.1	75
59	The effect of oxidation treatment with supercritical water/hydrogen peroxide system on intersurface performance for polyacrylonitrile-based carbon fibers. Applied Surface Science, 2013, 273, 167-172.	3.1	24
60	High dielectric loss and microwave absorption behavior of multiferroic BiFeO 3 ceramic. Ceramics International, 2013, 39, 7241-7246.	2.3	49
61	Magnetite Nanocrystals on Multiwalled Carbon Nanotubes as a Synergistic Microwave Absorber. Journal of Physical Chemistry C, 2013, 117, 5446-5452.	1.5	189
62	Silicon carbide powders: Temperature-dependent dielectric properties and enhanced microwave absorption at gigahertz range. Solid State Communications, 2013, 163, 1-6.	0.9	133
63	Alignment of graphene sheets in wax composites for electromagnetic interference shielding improvement. Nanotechnology, 2013, 24, 115708.	1.3	87
64	Electromagnetic Wave Absorption Properties of ZnO-Based Materials Modified with ZnAl <sub>2</sub> O <sub>4</sub> Nanograins. Journal of Physical Chemistry C, 2013, 117, 2135-2146.	1.5	149
65	Electromagnetic interference shielding efficiency of polyaniline composites filled with graphene decorated with metallic nanoparticles. Composites Science and Technology, 2013, 80, 80-86.	3.8	185
66	Improved dielectric properties and highly efficient and broadened bandwidth electromagnetic attenuation of thickness-decreased carbon nanosheet/wax composites. Journal of Materials Chemistry C, 2013, 1, 1846.	2.7	98
67	Synthesis and characterization of polyaniline nanoparticles with enhanced microwave absorption. RSC Advances, 2013, 3, 12694.	1.7	124
68	Improved electromagnetic absorbing properties of Si3N4–SiC/SiO2 composite ceramics with multi-shell microstructure. Journal of the European Ceramic Society, 2013, 33, 2173-2180.	2.8	83
69	Electromagnetic properties of pyrolytic carbon-Si3N4 ceramics with gradient PyC distribution. Journal of the European Ceramic Society, 2013, 33, 647-651.	2.8	29
70	Influence of spatial configurations on electromagnetic interference shielding of ordered mesoporous carbon/ordered mesoporous silica/silica composites. Scientific Reports, 2013, 3, 3252.	1.6	40
71	Facile Preparation, Characterization, and Highly Effective Microwave Absorption Performance of CNTs/Fe <sub><b>3</b></sub> O <sub><b>4</b>2013, 2013, 1-7.</sub>	1.5	5
72	Tetra-needle zinc oxide/silica composites: High-temperature dielectric properties at X-band. Solid State Communications, 2013, 154, 64-68.	0.9	20

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#	Article	IF	CITATIONS
73	Fabrication of polyvinyl alcohol/multiâ€walled carbon nanotubes composite electrospun nanofibres and their application as microwave absorbing material. Micro and Nano Letters, 2013, 8, 455-459.	0.6	38
74	Preparation of Magnetic Carbon Nanotubes (Mag-CNTs) for Biomedical and Biotechnological Applications. International Journal of Molecular Sciences, 2013, 14, 24619-24642.	1.8	88
75	Characterization and Microwave Absorption Performance of CNTs/Fe <sub>3</sub> O <sub>4</sub> /PANI Nanocomposites. Advanced Materials Research, 2013, 842, 242-246.	0.3	4
76	Microwave properties of double layer absorber reinforced with carbon fibre powders. Plastics, Rubber and Composites, 2013, 42, 82-87.	0.9	11
77	Microwave permittivity and permeability experiments in high-loss dielectrics: Caution with implicit Fabry-Pérot resonance for negative imaginary permeability. Applied Physics Letters, 2013, 103, .	1.5	58
78	The effects of annealing treatment on the morphology and microwave absorption properties of α-MnO2. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2013, 227, 61-69.	0.7	4
79	Influence of Thermal Oxidation on Complex Permittivity and Microwave Absorbing Potential of KD-I SiC Fiber Fabrics. Journal of Engineered Fibers and Fabrics, 2014, 9, 155892501400900.	0.5	2
80	Analysis of the alternating current conductivity and magnetic behaviors for the polycrystalline Y-type Ba0.5Sr1.5Co2(Fe1- <i>x</i> Al <i>x</i> )12O22 hexaferrites. Journal of Applied Physics, 2014, 116, .	1.1	16
81	<scp>E</scp> ffects of Y <sub>2</sub> <scp>O</scp> <sub>3</sub> on mechanical, dielectric, and microwaveâ€absorbing properties of short carbonâ€fiber/ <scp>A</scp> l <sub>2</sub> <scp>O</scp> <sub>3</sub> composites. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 630-635.	0.8	13
82	The enhanced polarization relaxation and excellent high-temperature dielectric properties of N-doped SiC. Applied Physics Letters, 2014, 104, .	1.5	109
83	Dielectric behavior of laminate-structure Cf/Si3N4 composites in X-band. Applied Physics Letters, 2014, 105, 172903.	1.5	20
84	Effect of crosslinking reaction on the electromagnetic interference shielding of a Fe–Si–Al alloy (Sendust)/polymer composite at high frequency. Polymers for Advanced Technologies, 2014, 25, 1366-1370.	1.6	14
85	Electromagnetic shielding materials and coatings derived from gelation of multiwall carbon nanotubes in an LCST mixture. RSC Advances, 2014, 4, 55341-55348.	1.7	18
86	Enhanced Dielectric Properties and Excellent Microwave Absorption of SiC Powders Driven with NiO Nanorings. Advanced Optical Materials, 2014, 2, 214-219.	3.6	290
87	Design of ACF Microwave Absorbing Composites with Triangle Patches and Circular Aperture Elements. Materials Science Forum, 2014, 789, 163-168.	0.3	0
88	Electromagnetic properties of Si–C–N based ceramics and composites. International Materials Reviews, 2014, 59, 326-355.	9.4	499
89	Flexible graphene/polymer composite films in sandwich structures for effective electromagnetic interference shielding. Carbon, 2014, 66, 67-76.	5.4	473
90	Dielectric properties of Cf–Si3N4 sandwich composites prepared by gelcasting. Ceramics International, 2014, 40, 8253-8259.	2.3	39

#	Article	IF	CITATIONS
91	Fabrication, microstructure and microwave absorption of multi-walled carbon nanotube decorated with CdS nanocrystal. Materials Letters, 2014, 125, 107-110.	1.3	30
92	Preparation of titanium carbide nanowires for application in electromagnetic wave absorption. Journal of Alloys and Compounds, 2014, 596, 132-139.	2.8	89
93	In-situ formation of carbon nanotubes in pyrolytic carbon–silicon nitride composite ceramics. Ceramics International, 2014, 40, 531-540.	2.3	19
94	Electromagnetic wave absorption properties of graphene modified with carbon nanotube/poly(dimethyl siloxane) composites. Carbon, 2014, 73, 185-193.	5.4	424
95	Facile preparation and extraordinary microwave absorption properties of carbon fibers coated with nanostructured crystalline SnO2. Materials Research Bulletin, 2014, 53, 123-131.	2.7	8
96	Dielectric property of unidirectional triangle-shape carbon fiber reinforced polymeric composites. Journal of Composite Materials, 2014, 48, 1143-1151.	1.2	5
97	Mechanical and dielectric properties of short carbon fiber reinforced Al2O3 composites with MgO additive. Ceramics International, 2014, 40, 2785-2791.	2.3	40
98	Enhanced broadband microwave reflection loss of carbon nanotube ensheathed Ni–Zn–Co-ferrite magnetic nanoparticles. Materials Letters, 2014, 120, 259-262.	1.3	46
99	Design of artificial nacre-like hybrid films as shielding to mitigate electromagnetic pollution. Carbon, 2014, 75, 178-189.	5.4	103
100	Facile synthesis of α-MnO2 nanorods at low temperature and their microwave absorption properties. Materials Chemistry and Physics, 2014, 143, 1061-1068.	2.0	62
101	Effect of carbon type (graphite, CFs and diamond) on the hydrogen desorption of Mg–C powder mixtures under microwave irradiation. Journal of Alloys and Compounds, 2014, 607, 223-229.	2.8	13
102	Microstructure and the dielectric properties of SiCN–Si3N4 ceramics fabricated via LPCVD/CVI. Ceramics International, 2014, 40, 5097-5102.	2.3	18
103	Synthesis, structure and electromagnetic properties of Mn–Zn ferrite by sol–gel combustion technique. Journal of Magnetism and Magnetic Materials, 2014, 349, 116-120.	1.0	46
104	ZnO nanostructures grown on carbon fibers: Morphology control and microwave absorption properties. Journal of Alloys and Compounds, 2014, 593, 7-15.	2.8	31
105	Nano-scale and micron-scale manganese dioxide vs corresponding paraffin composites for electromagnetic interference shielding and microwave absorption. Materials Research Bulletin, 2014, 51, 277-286.	2.7	22
106	Electromagnetic interference shielding effectiveness of SiCf/SiC composites with PIP–SiC interphase after thermal oxidation in air. Journal of Materials Science, 2014, 49, 1527-1536.	1.7	26
107	Microwave radial dielectric properties of carbon fiber bundle: Modeling, validation and application. Carbon, 2014, 79, 538-543.	5.4	20
108	Reduced graphene oxides: the thinnest and most lightweight materials with highly efficient microwave attenuation performances of the carbon world. Nanoscale, 2014, 6, 5754-5761.	2.8	347

#	Article	IF	CITATIONS
109	Shell Thickness-Dependent Microwave Absorption of Core–Shell Fe <sub>3</sub> O <sub>4</sub> @C Composites. ACS Applied Materials & Interfaces, 2014, 6, 12997-13006.	4.0	853
110	Enhanced microwave absorption of multi-walled carbon nanotubes/epoxy composites incorporated with ceramic particles. Composites Science and Technology, 2014, 102, 161-168.	3.8	83
111	Electromagnetic Interference Shielding Materials Derived from Gelation of Multiwall Carbon Nanotubes in Polystyrene/Poly(methyl methacrylate) Blends. ACS Applied Materials & Interfaces, 2014, 6, 11302-11310.	4.0	125
112	Graphene-wrapped ZnO hollow spheres with enhanced electromagnetic wave absorption properties. Journal of Materials Chemistry A, 2014, 2, 16403-16409.	5.2	514
113	Multi-wall carbon nanotubes decorated with ZnO nanocrystals: mild solution-process synthesis and highly efficient microwave absorption properties at elevated temperature. Journal of Materials Chemistry A, 2014, 2, 10540.	5.2	420
114	On the prospects of conducting polyaniline/natural rubber composites for electromagnetic shielding effectiveness applications. Journal of Thermoplastic Composite Materials, 2014, 27, 765-782.	2.6	14
115	Beta-manganese dioxide nanorods for sufficient high-temperature electromagnetic interference shielding in X-band. Applied Physics A: Materials Science and Processing, 2014, 116, 1779-1783.	1.1	28
116	Microwave absorption properties of carbon fibers with carbon coils of different morphologies (double microcoils and single nanocoils) grown on them. Journal of Materials Science, 2014, 49, 4379-4386.	1.7	32
117	Synthesis and microwave absorption properties of SiC nanowires reinforced SiOC ceramic. Journal of the European Ceramic Society, 2014, 34, 257-266.	2.8	222
118	Atmosphere Plasma-Sprayed Carbon Nanotubes/Cordierite Nanocomposite Coatings for Microwave Absorption Applications. Journal of Thermal Spray Technology, 2014, 23, 1065-1072.	1.6	12
119	Dielectric and microwave-absorption properties of SiC nanoparticle/SiBCN composite ceramics. Journal of the European Ceramic Society, 2014, 34, 205-215.	2.8	110
120	High densities of magnetic nanoparticles supported on graphene fabricated by atomic layer deposition and their use as efficient synergistic microwave absorbers. Nano Research, 2014, 7, 704-716.	5.8	316
121	Multiwalled carbon nanotubes–BaTiO3/silica composites with high complex permittivity and improved electromagnetic interference shielding at elevated temperature. Journal of the European Ceramic Society, 2014, 34, 2229-2237.	2.8	64
122	Fabrication and electromagnetic interference shielding effectiveness of carbon nanotube reinforced carbon fiber/pyrolytic carbon composites. Carbon, 2014, 68, 501-510.	5.4	178
123	One-step hydrothermal synthesis and microwave electromagnetic properties of RGO/NiFe2O4 composite. Ceramics International, 2014, 40, 6821-6828.	2.3	96
124	Highly ordered porous carbon/wax composites for effective electromagnetic attenuation and shielding. Carbon, 2014, 77, 130-142.	5.4	271
125	Silicon carbide/carbon nanotube heterostructures: Controllable synthesis, dielectric properties and microwave absorption. Advanced Powder Technology, 2014, 25, 1273-1279.	2.0	23
126	Facile fabrication of ultrathin graphene papers for effective electromagnetic shielding. Journal of Materials Chemistry C, 2014, 2, 5057-5064.	2.7	159

#	ARTICLE	IF	CITATIONS
127	Influence of temperature on dielectric properties and microwave absorbing performances of TiC nanowires/SiO2 composites. Ceramics International, 2014, 40, 15391-15397.	2.3	49
128	Interfacial Engineering of Carbon Nanofiber–Graphene–Carbon Nanofiber Heterojunctions in Flexible Lightweight Electromagnetic Shielding Networks. ACS Applied Materials & Interfaces, 2014, 6, 10516-10523.	4.0	198
129	Freezing–thawing effects on electromagnetic wave reflectivity of carbon fiber cement based composites. Construction and Building Materials, 2014, 64, 288-292.	3.2	34
130	Effects of temperature and time on microstructure and microwave electromagnetic properties of Ni doped manganese dioxides. Materials Technology, 2014, 29, 159-166.	1.5	2
131	Complex impedance and electric modulus studies of magnetic ceramic Ni0.27Cu0.10Zn0.63Fe2O4. Journal of Advanced Ceramics, 2015, 4, 217-225.	8.9	131
132	Microwave axial dielectric properties of carbon fiber. Scientific Reports, 2015, 5, 14927.	1.6	28
133	Microwave dielectric properties of Nextel-440 fiber fabrics with pyrolytic carbon coatings in the temperature range from room temperature to 700 ŰC. Chinese Physics B, 2015, 24, 088107.	0.7	5
134	Manufacturing and characterization of multifunctional polymer-reduced graphene oxide nanocomposites. , 2015, , 157-232.		2
135	Microwave shielding properties of Co/Ni attached to single walled carbon nanotubes. Journal of Materials Chemistry A, 2015, 3, 13203-13209.	5.2	93
136	Morphology-Control Synthesis of a Core–Shell Structured NiCu Alloy with Tunable Electromagnetic-Wave Absorption Capabilities. ACS Applied Materials & Interfaces, 2015, 7, 12951-12960.	4.0	347
137	Electromagnetic interference shielding properties of nickel-coated carbon fiber veil/acid-functionalized MWCNTs/epoxy multiscale composites. Journal of Reinforced Plastics and Composites, 2015, 34, 1029-1039.	1.6	18
138	Ultrathin graphene: electrical properties and highly efficient electromagnetic interference shielding. Journal of Materials Chemistry C, 2015, 3, 6589-6599.	2.7	551
139	Fabrication and properties of Cfiber/Si3N4 composite by vacuum hot-pressing sintering. Ceramics International, 2015, 41, 6084-6088.	2.3	7
140	Reduced graphene oxide (RGO) modified spongelike polypyrrole (PPy) aerogel for excellent electromagnetic absorption. Journal of Materials Chemistry A, 2015, 3, 14358-14369.	5.2	373
141	Synthesis and study of structural, magnetic and microwave absorption properties in multiferroic BiFeO3 electroceramic. Journal of Materials Science: Materials in Electronics, 2015, 26, 5368-5372.	1.1	18
142	Temperature-dependent dielectric and microwave absorption properties of SiC /SiC–Al2O3 composites modified by thermal cross-linking procedure. Journal of the European Ceramic Society, 2015, 35, 2991-3003.	2.8	82
143	Mesoporous Fe/C and Core–Shell Fe–Fe3C@C composites as efficient microwave absorbents. Microporous and Mesoporous Materials, 2015, 211, 97-104.	2.2	54
144	The microstructure of SiCN ceramics and their excellent electromagnetic wave absorbing properties. Ceramics International, 2015, 41, 11372-11378.	2.3	32

#	Article	IF	CITATIONS
145	Charge-carrier transport mechanisms in composites containing carbon-nanotube inclusions. Semiconductors, 2015, 49, 1689-1694.	0.2	0
146	Synthesis and microwave absorption properties of graphene-oxide(GO)/polyaniline nanocomposite with gold nanoparticles. Chinese Physics B, 2015, 24, 087801.	0.7	7
147	Electrical Properties of Polypropylene-Based Composites Controlled by Multilayered Distribution of Conductive Particles. ACS Applied Materials & amp; Interfaces, 2015, 7, 1541-1549.	4.0	95
148	Temperature dependence of dielectric properties of SiCf/PyC/SiC composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 195, 12-19.	1.7	23
149	A glass coating for SiC fiber reinforced aluminum phosphate matrix (SiCf/AlPO4) composites for high-temperature absorbing wave applications. Surface and Coatings Technology, 2015, 264, 9-16.	2.2	23
150	Bio-inspired fabrication of hierarchical Ni–Fe–P coated skin collagen fibers for high-performance microwave absorption. Physical Chemistry Chemical Physics, 2015, 17, 2113-2120.	1.3	15
151	Synthesis of hierarchically porous Cu–Ni/C composite catalysts from tissue paper and their catalytic activity for the degradation of triphenylmethane dye in the microwave induced catalytic oxidation (MICO) process. Materials Research Bulletin, 2015, 64, 236-244.	2.7	21
152	High-temperature dielectric and microwave absorption properties of Si3N4–SiC/SiO2 composite ceramics. Journal of Materials Science, 2015, 50, 1478-1487.	1.7	91
153	Design and fabrication of carbon fiber/carbonyl iron core–shell structure composites as high-performance microwave absorbers. RSC Advances, 2015, 5, 8713-8720.	1.7	35
154	NiFe <sub>2</sub> O <sub>4</sub> , Fe <sub>3</sub> O <sub>4</sub> –Fe <sub>x</sub> Ni <sub>y</sub> or Fe <sub>x</sub> Ni <sub>y</sub> loaded porous activated carbon balls as lightweight microwave absorbents. RSC Advances, 2015, 5, 8248-8257.	1.7	20
155	Temperature dependence of the electromagnetic properties and microwave absorption of carbonyl iron particles/silicone resin composites. Journal of Magnetism and Magnetic Materials, 2015, 374, 345-349.	1.0	29
156	Facile, green and affordable strategy for structuring natural graphite/polymer composite with efficient electromagnetic interference shielding. RSC Advances, 2015, 5, 22587-22592.	1.7	52
157	Phosphate ceramics â^' carbon nanotubes composites:liquid aluminum phosphate vs solid magnesium phosphate binder. Ceramics International, 2015, 41, 12147-12152.	2.3	28
158	Fabrication of polyamide 6/carbon nanotubes composite electrospun nanofibers for microwave absorption application. Polymer Science - Series A, 2015, 57, 359-364.	0.4	18
159	High-temperature dielectric and electromagnetic interference shielding properties of SiCf/SiC composites using Ti3SiC2 as inert filler. Composites Part A: Applied Science and Manufacturing, 2015, 77, 195-203.	3.8	75
160	Absorption properties of twinned SiC nanowires reinforced Si3N4 composites fabricated by 3d-prining. Materials Letters, 2015, 159, 257-260.	1.3	79
161	Effects of thermal oxidation on microwave-absorbing and mechanical properties of SiC f /SiC composites with PyC interphase. Transactions of Nonferrous Metals Society of China, 2015, 25, 1484-1489.	1.7	14
162	Electromagnetic interference shielding properties of carbon fiber cloth based composites with different layer orientation. Materials Letters, 2015, 158, 163-166.	1.3	17

#	Article	IF	CITATIONS
163	Electromagnetic and microwave absorbing properties of polyimide nanocomposites at elevated temperature. Journal of Alloys and Compounds, 2015, 648, 313-319.	2.8	38
164	High temperature electromagnetic and microwave absorbing properties of polyimide/multi-walled carbon nanotubes nancomposites. Chemical Physics Letters, 2015, 633, 223-228.	1.2	30
165	Effect of Ti3SiC2 addition on microwave absorption property of Ti3SiC2/cordierite coatings. Surface and Coatings Technology, 2015, 270, 39-46.	2.2	29
166	Reduced graphene oxide-CoFe 2 O 4 composite: Synthesis and electromagnetic absorption properties. Applied Surface Science, 2015, 345, 272-278.	3.1	96
167	Effect of Carbon Black on Dielectric and Microwave Absorption Properties of Carbon Black/Cordierite Plasma-Sprayed Coatings. Journal of Thermal Spray Technology, 2015, 24, 826-835.	1.6	29
168	Enhanced permittivity and multi-region microwave absorption of nanoneedle-like ZnO in the X-band at elevated temperature. Journal of Materials Chemistry C, 2015, 3, 4670-4677.	2.7	224
169	Tuning three-dimensional textures with graphene aerogels for ultra-light flexible graphene/texture composites of effective electromagnetic shielding. Carbon, 2015, 93, 151-160.	5.4	213
170	Electromagnetic properties and performance of exfoliated graphite (EG) – Thermoplastic polyurethane (TPU) nanocomposites at microwaves. Composites Science and Technology, 2015, 114, 26-33.	3.8	64
171	Effect of helium gas pressure on dc conduction mechanism and EMI shielding properties of nanocrystalline carbon thin films. Materials Chemistry and Physics, 2015, 158, 10-17.	2.0	9
172	Controllable synthesis and enhanced microwave absorption properties of silane-modified Ni <sub>0.4</sub> Zn <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> nanocomposites covered with reduced graphene oxide. RSC Advances, 2015, 5, 93739-93748.	1.7	65
173	Boost up dielectric constant and push down dielectric loss of carbon nanotube/cyanate ester composites via gradient and layered structure design. Journal of Materials Chemistry A, 2015, 3, 23162-23169.	5.2	29
174	Tuning broadband microwave absorption via highly conductive Fe3O4/graphene heterostructural nanofillers. Materials Research Bulletin, 2015, 72, 316-323.	2.7	55
175	Graphene aerogel composites derived from recycled cigarette filters for electromagnetic wave absorption. Journal of Materials Chemistry C, 2015, 3, 11893-11901.	2.7	134
176	Mechanical and electromagnetic shielding properties of carbon fiber reinforced silicon carbide matrix composites. Carbon, 2015, 95, 10-19.	5.4	176
177	Microwave dielectric characterization of Saudi Arabian date palm biomass during pyrolysis and at industrial frequencies. Fuel, 2015, 161, 239-247.	3.4	42
178	Temperature dependence of the electromagnetic and microwave absorption properties of polyimide/Ti <sub>3</sub> SiC <sub>2</sub> composites in the X band. RSC Advances, 2015, 5, 86656-86664.	1.7	21
179	Feâ€, Coâ€, and Niâ€Loaded Porous Activated Carbon Balls as Lightweight Microwave Absorbents. ChemPhysChem, 2015, 16, 3458-3467.	1.0	29
180	Superior mechanical and electrical properties of multiwall carbon nanotube reinforced acrylonitrile butadiene styrene high performance composites. Composites Part B: Engineering, 2015, 83, 58-65.	5.9	130

#	Article	IF	Citations
181	Electromagnetic and microwave absorption properties of carbon fibers coated with carbonyl iron. Journal of Materials Science: Materials in Electronics, 2015, 26, 6518-6525.	1.1	32
182	Quantum Effects on the Capacitance of Graphene-Based Electrodes. Journal of Physical Chemistry C, 2015, 119, 22297-22303.	1.5	144
183	Temperature dependent microwave absorption of ultrathin graphene composites. Journal of Materials Chemistry C, 2015, 3, 10017-10022.	2.7	432
184	Electromagnetic interference shielding effectiveness of composite carbon nanotube macro-film at a high frequency range of 40 GHz to 60 GHz. AlP Advances, 2015, 5, .	0.6	30
185	Excellent electromagnetic wave absorption property of quaternary composites consisting of reduced graphene oxide, polyaniline and FeNi3@SiO2 nanoparticles. Applied Surface Science, 2015, 357, 908-914.	3.1	57
186	A highly porous, light weight 3D sponge like graphene aerogel for electromagnetic interference shielding applications. RSC Advances, 2015, 5, 107083-107087.	1.7	41
187	Magnetic γ-Fe <sub>2</sub> O <sub>3</sub> , Fe <sub>3</sub> O <sub>4</sub> , and Fe nanoparticles confined within ordered mesoporous carbons as efficient microwave absorbers. Physical Chemistry Chemical Physics, 2015, 17, 3802-3812.	1.3	85
188	Carbon nanotubes modified with ZnO nanoparticles: High-efficiency electromagnetic wave absorption at high-temperatures. Ceramics International, 2015, 41, 4906-4915.	2.3	74
189	Fabrication of polypyrrole/nano-exfoliated graphite composites by in situ intercalation polymerization and their microwave absorption properties. Composites Part B: Engineering, 2015, 73, 181-187.	5.9	54
190	Electromagnetic interference shielding properties of silicon nitride ceramics reinforced by in situ grown carbon nanotubes. Ceramics International, 2015, 41, 2467-2475.	2.3	51
191	Magnetic and conductive graphene papers toward thin layers of effective electromagnetic shielding. Journal of Materials Chemistry A, 2015, 3, 2097-2107.	5.2	208
192	Mechanical and Dielectric Properties of Mullite Fiberâ€Reinforced Mullite Matrix Composites with Single Layer <scp>CVD</scp> SiC Interphases. International Journal of Applied Ceramic Technology, 2015, 12, 500-509.	1.1	11
193	Controlled fabrication of TiC nanocrystal clusters on surface of Ti particles for application in electromagnetic wave absorption. Journal of Alloys and Compounds, 2015, 622, 282-287.	2.8	26
194	Wear-resistant and electromagnetic absorbing behaviors of oleic acid post-modified ferrite-filled epoxy resin composite coating. Journal of Magnetism and Magnetic Materials, 2015, 378, 261-266.	1.0	7
195	Preparation and microwave absorbing properties of carbon fibers/epoxy composites with grid structure. Journal of Materials Science: Materials in Electronics, 2015, 26, 651-658.	1.1	19
196	EXPLORING CARBON NANOTUBES/BATIO3/FE3O4 NANOCOMPOSITES AS MICROWAVE ABSORBERS. Progress in Electromagnetics Research C, 2016, 66, 77-85.	0.6	15
197	Mechanism of microwave dielectric response in carbon nanofibers enabled BCN composites. Journal of Materials Science: Materials in Electronics, 2016, 27, 10435-10441.	1.1	12
198	Crystallization Mechanism of <scp>CVD</scp> Si <sub>3</sub> N <sub>4</sub> –Si <scp>CN</scp> Composite Ceramics Annealed in N <sub>2</sub> Atmosphere and Their Excellent <scp>EMW</scp> Absorption Properties. Journal of the American Ceramic Society, 2016, 99, 2672-2679.	1.9	30

#	Article	IF	CITATIONS
199	Stabilization effect by the temperature of immersion liquid in the 3–6 GH <scp>z</scp> microwave tomography system. Microwave and Optical Technology Letters, 2016, 58, 461-464.	0.9	0
200	Microwave Absorption of SiC/HfC <sub><i>x</i></sub> N <sub>1â^'<i>x</i></sub> /C Ceramic Nanocomposites with HfC <sub><i>x</i></sub> N <sub>1â^'<i>x</i></sub> â€Carbon Core–Shell Particles. Journal of the American Ceramic Society, 2016, 99, 2655-2663.	1.9	68
201	Analysis on Silver-planted Fiber as Electromagnetic Interference Shielding Materials. , 2016, , .		0
202	Lightweight graphene nanoplatelet/boron carbide composite with high EMI shielding effectiveness. AIP Advances, 2016, 6, .	0.6	20
203	Spin-Crossover Materials towards Microwave Radiation Switches. Scientific Reports, 2016, 6, 38334.	1.6	28
204	Microwave radiation absorbers based on corrugated composites with carbon fibers. Technical Physics, 2016, 61, 1880-1884.	0.2	10
205	Open-cell phenolic carbon foam and electromagnetic interference shielding properties. Carbon, 2016, 104, 90-105.	5.4	101
206	Layer-structured silver nanowire/polyaniline composite film as a high performance X-band EMI shielding material. Journal of Materials Chemistry C, 2016, 4, 4193-4203.	2.7	138
207	Hierarchical graphene/SiC nanowire networks in polymer-derived ceramics with enhanced electromagnetic wave absorbing capability. Journal of the European Ceramic Society, 2016, 36, 2695-2703.	2.8	221
208	Synthesis and EMW absorbing properties of nano SiC modified PDC–SiOC. Journal of Materials Chemistry C, 2016, 4, 5962-5969.	2.7	96
209	Dielectric and microwave absorption properties of TiO2/Al2O3 coatings and improved microwave absorption by FSS incorporation. Journal of Alloys and Compounds, 2016, 678, 527-532.	2.8	31
210	Graphene oxide/cellulose aerogels nanocomposite: Preparation, pyrolysis, and application for electromagnetic interference shielding. Carbohydrate Polymers, 2016, 150, 172-179.	5.1	131
211	In-situ synthesis of hierarchically porous and polycrystalline carbon nanowires with excellent microwave absorption performance. Carbon, 2016, 107, 36-45.	5.4	158
212	Synthesis, Characterization, and Microwave Absorption Properties of Reduced Graphene Oxide/Strontium Ferrite/Polyaniline Nanocomposites. Nanoscale Research Letters, 2016, 11, 141.	3.1	184
213	Performance Improvement of Pd/ZnO-NR/Si MIS Gas Sensor Device in Capacitive Mode: Correlation With Equivalent-Circuit Elements. IEEE Transactions on Electron Devices, 2016, 63, 1266-1273.	1.6	22
214	Effects of Oxidation Curing of Polycarbosilane on Dielectric and Microwave Absorption Properties of PDCsâ€SiC Ceramics. International Journal of Applied Ceramic Technology, 2016, 13, 17-22.	1.1	9
215	Excellent dielectric properties of PVDF-based composites filled with carbonized PAN/PEG copolymer fibers. Composites Part A: Applied Science and Manufacturing, 2016, 87, 46-53.	3.8	25
216	Interfacial interactions and synergistic effect of CoNi nanocrystals and nitrogen-doped graphene in a composite microwave absorber. Carbon, 2016, 104, 214-225.	5.4	349

#	Article	IF	CITATIONS
217	Facile preparation of lightweight high-strength biodegradable polymer/multi-walled carbon nanotubes nanocomposite foams for electromagnetic interference shielding. Carbon, 2016, 105, 305-313.	5.4	374
218	Unusual continuous dual absorption peaks in Ca-doped BiFeO <sub>3</sub> nanostructures for broadened microwave absorption. Nanoscale, 2016, 8, 10415-10424.	2.8	147
219	Carbon nanotube scaffolds with controlled porosity as electromagnetic absorbing materials in the gigahertz range. Nanoscale, 2016, 8, 10724-10730.	2.8	42
220	Flexible thin SiC fiber fabrics using carbon nanotube modification for improving electromagnetic shielding properties. Materials and Design, 2016, 104, 68-75.	3.3	44
221	Effect of electrophoretic condition on the electromagnetic interference shielding performance of reduced graphene oxide-carbon fiber/epoxy resin composites. Composites Part B: Engineering, 2016, 105, 167-175.	5.9	92
222	Investigation on electromagnetic and microwave absorption properties of copper slag-filled cement mortar. Cement and Concrete Composites, 2016, 74, 174-181.	4.6	77
223	Nano-carbon: preparation, assessment, and applications for NH <sub>3</sub> gas sensor and electromagnetic interference shielding. RSC Advances, 2016, 6, 97266-97275.	1.7	32
224	Yolk–Shell Ni@SnO <sub>2</sub> Composites with a Designable Interspace To Improve the Electromagnetic Wave Absorption Properties. ACS Applied Materials & Interfaces, 2016, 8, 28917-28925.	4.0	526
225	Synthesis of core-shell ZnFe2O4@SiO2 hollow microspheres/reduced graphene oxides for a high-performance EM wave absorber. Ceramics International, 2016, 42, 18879-18886.	2.3	34
226	Novel nanoporous carbon derived from metal–organic frameworks with tunable electromagnetic wave absorption capabilities. Inorganic Chemistry Frontiers, 2016, 3, 1516-1526.	3.0	110
227	Effects of SiC fibers on microwave absorption and electromagnetic interference shielding properties of SiCf/SiCN composites. Ceramics International, 2016, 42, 19237-19244.	2.3	52
228	Synthesis and shielding properties of PVP-stabilized-AgNPs-based graphene nanohybrid in the Ku band. Synthetic Metals, 2016, 221, 86-94.	2.1	24
229	Electromagnetic Property and Tunable Microwave Absorption of 3D Nets from Nickel Chains at Elevated Temperature. ACS Applied Materials & amp; Interfaces, 2016, 8, 22615-22622.	4.0	307
230	The Preparation of Compressible and Fireâ€Resistant Spongeâ€Supported Reduced Graphene Oxide Aerogel for Electromagnetic Interference Shielding. Chemistry - an Asian Journal, 2016, 11, 2586-2593.	1.7	39
231	Microwave-Absorbing Polymer-Derived Ceramics from Cobalt-Coordinated Poly(dimethylsilylene)diacetylenes. Journal of Physical Chemistry C, 2016, 120, 18721-18732.	1.5	112
232	Growing 3D ZnO nano-crystals on 1D SiC nanowires: enhancement of dielectric properties and excellent electromagnetic absorption performance. Journal of Materials Chemistry C, 2016, 4, 8897-8902.	2.7	48
233	Copper nanoparticles-sputtered bacterial cellulose nanocomposites displaying enhanced electromagnetic shielding, thermal, conduction, and mechanical properties. Cellulose, 2016, 23, 3117-3127.	2.4	37
234	Microwave properties of natural rubber based composites comprising conductive carbon black/silica hybrid fillers. Journal of Polymer Research, 2016, 23, 1.	1.2	7

#	Article	IF	CITATIONS
235	Synthesis and Electromagnetic Absorbing Properties of Titanium Carbonitride with Quantificational Carbon Doping. Journal of Physical Chemistry C, 2016, 120, 148-156.	1.5	64
236	Synthesis and microwave absorption enhancement of polyaniline/SrFe12O19/hollow glass microsphere composite with core–shell structure. Journal of Materials Science: Materials in Electronics, 2016, 27, 13099-13104.	1.1	5
237	Fabrication and Electromagnetic Wave-Absorbing Property of Si3N4 Ceramics with Gradient Pyrolytic Carbon Distribution. Journal of Electronic Materials, 2016, 45, 3624-3628.	1.0	10
238	Titanium carbide (MXene) nanosheets as promising microwave absorbers. Ceramics International, 2016, 42, 16412-16416.	2.3	316
239	Effect of hybridization on the value-added activated carbon materials. International Journal of Industrial Chemistry, 2016, 7, 249-264.	3.1	13
240	Temperature dependence of the electromagnetic properties of graphene nanosheet reinforced alumina ceramics in the X-band. Journal of Materials Chemistry C, 2016, 4, 4853-4862.	2.7	160
241	Investigation of microwave healing performance of electrically conductive carbon fiber modified asphalt mixture beams. Construction and Building Materials, 2016, 126, 1012-1019.	3.2	68
242	A novel protocol to measure the attenuation of electromagnetic waves through smoke. Measurement Science and Technology, 2016, 27, 065902.	1.4	1
243	Dielectric and microwave properties of elastomer composites loaded with carbon–silica hybrid fillers. Journal of Applied Polymer Science, 2016, 133, .	1.3	6
244	Nature of Electromagnetic-Transparent SiO <sub>2</sub> Shell in Hybrid Nanostructure Enhancing Electromagnetic Attenuation. Journal of Physical Chemistry C, 2016, 120, 12967-12973.	1.5	40
245	Effect of Critical Plasma Spray Parameters on Microstructure and Microwave Absorption Property of Ti3SiC2/Cordierite Coatings. Journal of Thermal Spray Technology, 2016, 25, 639-649.	1.6	9
246	Engineering carbon fibers with dual coatings of FeCo and CuO towards enhanced microwave absorption properties. Journal of Alloys and Compounds, 2016, 687, 334-341.	2.8	41
247	Design of a broadband electromagnetic absorbers based on TiO2/Al2O3 ceramic coatings with metamaterial surfaces. Journal of Alloys and Compounds, 2016, 687, 384-388.	2.8	40
248	Conductivity-dependent dielectric properties and microwave absorption of Al-doped SiC whiskers. Journal of Alloys and Compounds, 2016, 687, 227-231.	2.8	99
249	Magnetic graphene@PANI@porous TiO <sub>2</sub> ternary composites for high-performance electromagnetic wave absorption. Journal of Materials Chemistry C, 2016, 4, 6362-6370.	2.7	332
250	Tuning the microwave absorption through engineered nanostructures in co-continuous polymer blends. Materials Research Express, 2016, 3, 064002.	0.8	31
251	Ti/TiO <sub>2</sub> Nanotube Array/Ti Capacitive Device for Non-polar Aromatic Hydrocarbon Detection. IEEE Transactions on Device and Materials Reliability, 2016, 16, 235-242.	1.5	35
252	High-temperature dielectric and microwave absorption property of plasma sprayed Ti3SiC2/cordierite coatings. Journal of Materials Science: Materials in Electronics, 2016, 27, 2460-2466.	1.1	22

#	Article	IF	CITATIONS
253	Nanoscale polygonal carbon: a unique low-loading filler for effective microwave absorption. Journal of Materials Science: Materials in Electronics, 2016, 27, 8159-8168.	1.1	6
254	Electromagnetic properties of Co flaky particles prepared via ball-milling method. Journal of Magnetism and Magnetic Materials, 2016, 416, 53-60.	1.0	14
255	Ni 3 Sn 2 alloy nanocrystals encapsulated within electrospun carbon nanofibers for enhanced microwave absorption performance. Materials Chemistry and Physics, 2016, 177, 198-205.	2.0	29
256	Co-electrospinning fabrication and study of structural and electromagnetic interference-shielding effectiveness of TiO2/SiO2 core–shell nanofibers. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	16
257	Preparation and microwave absorbing properties of nickel-coated carbon fiber with polyaniline via in situ polymerization. Journal of Materials Science: Materials in Electronics, 2016, 27, 5607-5612.	1.1	35
258	Carbon foam decorated with silver particles and in situ grown nanowires for effective electromagnetic interference shielding. Journal of Materials Science, 2016, 51, 7991-8004.	1.7	32
259	Reduced graphene oxide decorated with in-situ growing ZnO nanocrystals: Facile synthesis and enhanced microwave absorption properties. Carbon, 2016, 108, 52-60.	5.4	229
260	Interfacially Engineered Sandwichâ€Like rGO/Carbon Microspheres/rGO Composite as an Efficient and Durable Microwave Absorber. Advanced Materials Interfaces, 2016, 3, 1500684.	1.9	131
261	Alternate nonmagnetic and magnetic multilayer nanofilms deposited on carbon nanocoils by atomic layer deposition to tune microwave absorption property. Carbon, 2016, 98, 196-203.	5.4	114
262	3D network porous polymeric composites with outstanding electromagnetic interference shielding. Composites Science and Technology, 2016, 125, 22-29.	3.8	127
263	Strong and thermostable polymeric graphene/silica textile for lightweight practical microwave absorption composites. Carbon, 2016, 100, 109-117.	5.4	195
264	Electromagnetic interference shielding effectiveness of carbon fiber reinforced multilayered (PyC–SiC)n matrix composites. Ceramics International, 2016, 42, 986-988.	2.3	16
265	Rational design of yolk-shell C@C microspheres for the effective enhancement in microwave absorption. Carbon, 2016, 98, 599-606.	5.4	278
266	Graphene nanosheets/BaTiO <sub>3</sub> ceramics as highly efficient electromagnetic interference shielding materials in the X-band. Journal of Materials Chemistry C, 2016, 4, 371-375.	2.7	167
267	Electrospun carbon nanofibers coated with urchin-like ZnCo <sub>2</sub> O <sub>4</sub> nanosheets as a flexible electrode material. Journal of Materials Chemistry A, 2016, 4, 5958-5964.	5.2	92
268	Graphene foam/carbon nanotube/poly(dimethyl siloxane) composites for exceptional microwave shielding. Composites Part A: Applied Science and Manufacturing, 2016, 85, 199-206.	3.8	171
269	Construction of CuS Nanoflakes Vertically Aligned on Magnetically Decorated Graphene and Their Enhanced Microwave Absorption Properties. ACS Applied Materials & Interfaces, 2016, 8, 5536-5546.	4.0	435
270	Dielectric and electromagnetic wave absorption properties of reduced graphene oxide/barium aluminosilicate glass–ceramic composites. Ceramics International, 2016, 42, 7099-7106.	2.3	15

#	Article	IF	CITATIONS
271	A novel Co/TiO <sub>2</sub> nanocomposite derived from a metal–organic framework: synthesis and efficient microwave absorption. Journal of Materials Chemistry C, 2016, 4, 1860-1870.	2.7	326
272	A review of absorption properties in silicon-based polymer derived ceramics. Journal of the European Ceramic Society, 2016, 36, 3681-3689.	2.8	168
273	Facile Synthesis of Fe <sub>3</sub> O <sub>4</sub> /GCs Composites and Their Enhanced Microwave Absorption Properties. ACS Applied Materials & Interfaces, 2016, 8, 6101-6109.	4.0	518
274	Dielectric and microwave absorption properties of LaSrMnO3/Al2O3 ceramic coatings fabricated by atmospheric plasma spraying. Journal of Alloys and Compounds, 2016, 662, 607-611.	2.8	35
275	Fe-doped SiC/SiO2 composites with ordered inter-filled structure for effective high-temperature microwave attenuation. Materials and Design, 2016, 92, 563-570.	3.3	71
276	Electromagnetic Evaluation of Multifunctional Composites for Use in Radar Absorbing Structures. Advanced Materials Research, 0, 1135, 104-111.	0.3	1
277	Fabrication and microwave absorption of reduced graphene oxide/Ni0.4Zn0.4Co0.2Fe2O4 nanocomposites. Ceramics International, 2016, 42, 9241-9249.	2.3	76
278	High frequency millimetre wave absorbers derived from polymeric nanocomposites. Polymer, 2016, 84, 398-419.	1.8	191
279	Dielectric and microwave absorption properties of plasma sprayed short carbon fibers/glass composite coatings. Journal of Materials Science: Materials in Electronics, 2016, 27, 1783-1790.	1.1	15
280	Electromagnetic response of magnetic graphene hybrid fillers and their evolutionary behaviors. Journal of Materials Science: Materials in Electronics, 2016, 27, 2760-2772.	1.1	10
281	Reduced graphene oxide deposited carbon fiber reinforced polymer composites for electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2016, 82, 141-150.	3.8	149
282	Thin and flexible multi-walled carbon nanotube/waterborne polyurethane composites with high-performance electromagnetic interference shielding. Carbon, 2016, 96, 768-777.	5.4	301
283	Reduced graphene oxide (RGO)/Mn3O4 nanocomposites for dielectric loss properties and electromagnetic interference shielding effectiveness at high frequency. Ceramics International, 2016, 42, 936-942.	2.3	70
284	Microwave absorption properties of FeCo-coated carbon fibers with varying morphologies. Journal of Magnetism and Magnetic Materials, 2016, 399, 252-259.	1.0	98
285	Characterization of hybrid fillers based on carbon black of different types obtained by impregnation. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2017, 231, 584-599.	0.7	4
286	Ultralight, super-elastic and volume-preserving cellulose fiber/graphene aerogel for high-performance electromagnetic interference shielding. Carbon, 2017, 115, 629-639.	5.4	228
287	Silicon carbide nano-fibers in-situ grown on carbon fibers for enhanced microwave absorption properties. Ceramics International, 2017, 43, 5628-5634.	2.3	117
288	Conductive fabrics made of polypropylene/multi-walled carbon nanotube coated polyester yarns: Mechanical properties and electromagnetic interference shielding effectiveness. Composites Science and Technology, 2017, 141, 74-82.	3.8	65

#	Article	IF	CITATIONS
289	Carbon Hollow Microspheres with a Designable Mesoporous Shell for High-Performance Electromagnetic Wave Absorption. ACS Applied Materials & Interfaces, 2017, 9, 6332-6341.	4.0	428
290	An asymmetric electrically conducting self-aligned graphene/polymer composite thin film for efficient electromagnetic interference shielding. AIP Advances, 2017, 7, .	0.6	37
291	Improved dielectric properties of PDCs-SiCN by in-situ fabricated nano-structured carbons. Journal of the European Ceramic Society, 2017, 37, 1243-1251.	2.8	46
292	Nano-engineered joining employing surface modified graphite nanomaterials. Journal of Industrial and Engineering Chemistry, 2017, 48, 16-23.	2.9	1
293	Synthesis and electromagnetic interference shielding of cellulose-derived carbon aerogels functionalized with α-Fe2O3 and polypyrrole. Carbohydrate Polymers, 2017, 161, 158-165.	5.1	56
294	Metal–organic-frameworks derived porous carbon-wrapped Ni composites with optimized impedance matching as excellent lightweight electromagnetic wave absorber. Chemical Engineering Journal, 2017, 313, 734-744.	6.6	492
295	Decomposition of MOFs for the preparation of nanoporous Co <sub>3</sub> O <sub>4</sub> fibres and sheets with excellent microwave absorption and photocatalytic properties. Dalton Transactions, 2017, 46, 1936-1942.	1.6	37
296	Natural fiber and aluminum sheet hybrid composites for high electromagnetic interference shielding performance. Composites Part B: Engineering, 2017, 114, 121-127.	5.9	73
297	Preparation and microwave absorbing properties of polyaniline/NiFe2O4/graphite nanosheet composites via sol–gel reaction and in situ polymerization. Journal of Sol-Gel Science and Technology, 2017, 81, 824-830.	1.1	24
298	Graphene oxide co-doped with dielectric and magnetic phases as an electromagnetic wave suppressor. Materials Chemistry Frontiers, 2017, 1, 1229-1244.	3.2	18
299	Ultralight Graphene Foam/Conductive Polymer Composites for Exceptional Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2017, 9, 9059-9069.	4.0	438
300	Fabrication and assessment of a thin flexible surface coating made of pristine graphene for lightning strike protection. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 216, 31-40.	1.7	47
301	Preparation of polymer-derived graphene-like carbon-silicon carbide nanocomposites as electromagnetic interference shielding material for high temperature applications. Journal of Alloys and Compounds, 2017, 709, 313-321.	2.8	31
302	Microwave absorption and infrared emissivity of helical polyacetylene@multiwalled carbon nanotubes composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 8601-8610.	1.1	27
303	A new approach to microwave food research: Analyzing the electromagnetic response of basic amino acids. Innovative Food Science and Emerging Technologies, 2017, 41, 100-108.	2.7	19
304	Microwave absorption properties of Ag naowires/carbon black composites. Chinese Physics B, 2017, 26, 025207.	0.7	15
305	Electrospinning of Fe/SiC Hybrid Fibers for Highly Efficient Microwave Absorption. ACS Applied Materials & Interfaces, 2017, 9, 7265-7271.	4.0	173
306	Assembling carbon fiber–graphene–carbon fiber hetero-structures into 1D–2D–1D junction fillers and patterned structures for improved microwave absorption. Journal Physics D: Applied Physics, 2017, 50, 135303.	1.3	14

#	Article	IF	CITATIONS
307	High-Efficiency Heating Characteristics of Ferrite-Filled Asphalt-Based Composites under Microwave Irradiation. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	34
308	Influence of Cr content and initial Cr particle size on the dielectric properties of plasma-sprayed Cr/Al2O3 coatings. Surface and Coatings Technology, 2017, 313, 374-380.	2.2	7
309	Electromagnetic interference shielding and mechanical properties of Si3N4–SiOC composites fabricated by 3D-printing combined with polymer infiltration and pyrolysis. Journal of Materials Research, 2017, 32, 3394-3401.	1.2	20
310	Synthesis of SiC nanofibers with superior electromagnetic wave absorption performance by electrospinning. Journal of Alloys and Compounds, 2017, 716, 306-320.	2.8	59
311	Microwave absorbing property optimization of starlike ZnO/reduced graphene oxide doped by ZnO nanocrystal composites. Physical Chemistry Chemical Physics, 2017, 19, 14596-14605.	1.3	43
312	Covalently bonded polyaniline/graphene composites as high-performance electromagnetic (EM) wave absorption materials. Composites Part A: Applied Science and Manufacturing, 2017, 99, 121-128.	3.8	155
313	Facile fabrication of rGO/CNT hybrid fibers for high-performance flexible supercapacitors. Journal of Materials Science: Materials in Electronics, 2017, 28, 12147-12157.	1.1	6
314	Fully carbon metasurface: Absorbing coating in microwaves. Journal of Applied Physics, 2017, 121, .	1.1	26
315	Unique Multilayered Assembly Consisting of "Flower-Like―Ferrite Nanoclusters Conjugated with MWCNT as Millimeter Wave Absorbers. Journal of Physical Chemistry C, 2017, 121, 13998-14009.	1.5	51
316	Complex Permittivity and Microwave Absorption Properties of Zinc Oxide Leach Residues. Mineral Processing and Extractive Metallurgy Review, 2017, 38, 304-311.	2.6	1
317	Carbon fiber/Si3N4 composites with SiC nanofiber interphase for enhanced microwave absorption properties. Ceramics International, 2017, 43, 12328-12332.	2.3	88
318	Reduced graphene oxide modified mesoporous FeNi alloy/carbon microspheres for enhanced broadband electromagnetic wave absorbers. Materials Chemistry Frontiers, 2017, 1, 1786-1794.	3.2	56
319	Three-dimensional reduced graphene oxide powder for efficient microwave absorption in the S-band (2–4 GHz). RSC Advances, 2017, 7, 25773-25779.	1.7	89
320	Porous-carbon-nanotube decorated carbon nanofibers with effective microwave absorption properties. Nanotechnology, 2017, 28, 355708.	1.3	39
321	Enhanced electromagnetic interference shielding behavior of Graphene Nanoplatelet/Ni/Wax nanocomposites. Journal of Materials Chemistry C, 2017, 5, 6471-6479.	2.7	58
322	Flexible, Ultrathin, and High-Efficiency Electromagnetic Shielding Properties of Poly(Vinylidene) Tj ETQq1 1 0.784	314 rgBT , 4.0	Overlock 10
323	Identification of giant dielectric permittivity in the BiVO4. Materials Letters, 2017, 205, 67-69.	1.3	7
324	Microwave dielectric properties of Malaysian palm oil and agricultural industrial biomass and biochar during pyrolysis process. Fuel Processing Technology, 2017, 166, 164-173.	3.7	57

#	Article	IF	CITATIONS
325	Phosphate sludge-based ceramics: Microstructure and effects of processing factors. Journal of Building Engineering, 2017, 11, 48-55.	1.6	12
326	Comparative study of experimental and numerical behaviors ofÂmicrowave absorbers based on ultrathin Al and Cu films. Materials Chemistry and Physics, 2017, 194, 322-326.	2.0	3
327	Preparation of a reduced graphene oxide/SiO2/Fe3O4UV-curing material and its excellent microwave absorption properties. RSC Advances, 2017, 7, 18172-18177.	1.7	22
328	Enhancing Energy Efficiency in Saccharide–HMF Conversion with Core/shell Structured Microwave Responsive Catalysts. ACS Sustainable Chemistry and Engineering, 2017, 5, 4352-4358.	3.2	32
329	Graphene nanoplatelets/carbon nanotubes/polyurethane composites as efficient shield against electromagnetic polluting radiations. Composites Part B: Engineering, 2017, 120, 118-127.	5.9	170
330	Research progress of graphene-based microwave absorbing materials in the last decade. Journal of Materials Research, 2017, 32, 1213-1230.	1.2	62
331	A novel two-layer periodic stepped structure for effective broadband radar electromagnetic absorption. Materials and Design, 2017, 123, 46-53.	3.3	148
332	Ultrathin flexible reduced graphene oxide/cellulose nanofiber composite films with strongly anisotropic thermal conductivity and efficient electromagnetic interference shielding. Journal of Materials Chemistry C, 2017, 5, 3748-3756.	2.7	294
333	Low percolation threshold and electromagnetic shielding effectiveness of nano-structured carbon based ethylene methyl acrylate nanocomposites. Composites Part B: Engineering, 2017, 119, 41-56.	5.9	132
334	High-temperature electromagnetic interference shielding of layered Ti3AlC2 ceramics. Scripta Materialia, 2017, 134, 47-51.	2.6	29
335	Flexible and Thermostable Graphene/SiC Nanowire Foam Composites with Tunable Electromagnetic Wave Absorption Properties. ACS Applied Materials & Interfaces, 2017, 9, 11803-11810.	4.0	315
336	Modeling for high-temperature dielectric behavior of multilayer C /Si3N4 composites in X-band. Journal of the European Ceramic Society, 2017, 37, 1961-1968.	2.8	32
337	A brief introduction to the fabrication and synthesis of graphene based composites for the realization of electromagnetic absorbing materials. Journal of Materials Chemistry C, 2017, 5, 491-512.	2.7	305
338	Design of multiple-layer microwave absorbing structure based on rice husk and carbon nanotubes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	20
339	Improved microwave absorption performance of modified SiC in the 2–18 GHz frequency range. CrystEngComm, 2017, 19, 519-527.	1.3	63
340	Absorption-Dominated Electromagnetic Wave Suppressor Derived from Ferrite-Doped Cross-Linked Graphene Framework and Conducting Carbon. ACS Applied Materials & Interfaces, 2017, 9, 3030-3039.	4.0	169
341	Construction of three-dimensional graphene interfaces into carbon fiber textiles for increasing deposition of nickel nanoparticles: flexible hierarchical magnetic textile composites for strong electromagnetic shielding. Nanotechnology, 2017, 28, 045710.	1.3	34
342	Graphene-Based Sandwich Structures for Frequency Selectable Electromagnetic Shielding. ACS Applied Materials & Interfaces, 2017, 9, 36119-36129.	4.0	135

#	Article	IF	CITATIONS
343	Preparation and microwave absorbing property of carbon fiber/polyurethane radar absorbing coating. RSC Advances, 2017, 7, 46060-46068.	1.7	22
344	One-dimensional carbon/SiC nanocomposites with tunable dielectric and broadband electromagnetic wave absorption properties. Carbon, 2017, 125, 207-220.	5.4	120
345	Dielectric Properties of Nanocarbon Polymer Composites with Binary Filler. Springer Proceedings in Physics, 2017, , 855-871.	0.1	2
346	Preparation of silver/reduced graphene oxide coated polyester fabric for electromagnetic interference shielding. RSC Advances, 2017, 7, 40452-40461.	1.7	47
347	Theoretical prediction and experimental verification on EMI shielding effectiveness of dielectric composites using complex permittivity. Ceramics International, 2017, 43, 16736-16743.	2.3	14
348	Synthesis and Microwave Absorption Properties of BiFeO <sub>3</sub> Nanowire-RGO Nanocomposite and First-Principles Calculations for Insight of Electromagnetic Properties and Electronic Structures. Journal of Physical Chemistry C, 2017, 121, 21290-21304.	1.5	102
349	Nanoelectromagnetic of the N-doped single wall carbon nanotube in the extremely high frequency band. Nanoscale, 2017, 9, 14192-14200.	2.8	8
350	Preparation of nitrogen and sulfur co-doped ordered mesoporous carbon for enhanced microwave absorption performance. Nanotechnology, 2017, 28, 375705.	1.3	30
351	Electromagnetic interference shielding cotton fabrics with high electrical conductivity and electrical heating behavior via layer-by-layer self-assembly route. RSC Advances, 2017, 7, 42641-42652.	1.7	72
352	Lightweight, thermally insulating and stiff carbon honeycomb-induced graphene composite foams with a horizontal laminated structure for electromagnetic interference shielding. Carbon, 2017, 123, 223-232.	5.4	91
353	Temperature-dependent electromagnetic shielding properties of SiCf/BN/SiC composites fabricated by chemical vapor infiltration process. Journal of Alloys and Compounds, 2017, 724, 633-640.	2.8	29
354	Silver nanowire/carbon nanotube/cellulose hybrid papers for electrically conductive and electromagnetic interference shielding elements. Composites Science and Technology, 2017, 150, 45-53.	3.8	83
355	Enhanced electromagnetic interference shielding of carbon fiber/cement composites by adding ferroferric oxide nanoparticles. Construction and Building Materials, 2017, 151, 575-581.	3.2	44
356	Graphene analogues as emerging materials for screening electromagnetic radiations. Nano Structures Nano Objects, 2017, 11, 94-101.	1.9	36
357	Estimating EMI shielding effectiveness of graphene-polymer composites at elevated temperatures. Materials Research Express, 2017, 4, 085605.	0.8	14
358	Development of a hollow carbon sphere absorber displaying the multiple-reflection effect to attenuate electromagnetic waves. RSC Advances, 2017, 7, 37983-37989.	1.7	21
359	Carbon encapsulated nanoscale iron/iron-carbide/graphite particles for EMI shielding and microwave absorption. Physical Chemistry Chemical Physics, 2017, 19, 23268-23279.	1.3	148
360	Facile synthesis and excellent electromagnetic wave absorption properties of flower-like porous RGO/PANI/Cu2O nanocomposites. Journal of Materials Science, 2017, 52, 13078-13090.	1.7	41

#	Article	IF	CITATIONS
361	Enhanced electromagnetic interference shielding properties of carbon fiber veil/Fe <sub>3</sub> O <sub>4</sub> nanoparticles/epoxy multiscale composites. Materials Research Express, 2017, 4, 126303.	0.8	34
362	SiC Nanofiber Mat: A Broad-Band Microwave Absorber, and the Alignment Effect. ACS Applied Materials & Interfaces, 2017, 9, 43072-43080.	4.0	74
363	Communication—Detection of Giant Dielectric Constant in Strontium Orthovanadate Sr3V2O8. ECS Journal of Solid State Science and Technology, 2017, 6, N213-N215.	0.9	5
364	Carbon spheres@MnO2 core-shell nanocomposites with enhanced dielectric properties for electromagnetic shielding. Scientific Reports, 2017, 7, 15841.	1.6	38
365	Highly Efficient Electromagnetic Wave Absorbing Metal-Free and Carbon-Rich Ceramics Derived from Hyperbranched Polycarbosilazanes. Journal of Physical Chemistry C, 2017, 121, 24774-24785.	1.5	78
366	Fluffy and Ordered Graphene Multilayer Films with Improved Electromagnetic Interference Shielding over X-Band. ACS Applied Materials & amp; Interfaces, 2017, 9, 22408-22419.	4.0	64
367	Improved microwave absorption and electromagnetic interference shielding properties based on graphene–barium titanate and polyvinylidene fluoride with varying content. Materials Chemistry Frontiers, 2017, 1, 2519-2526.	3.2	49
368	Synthesis of hollow Cu <sub>1.8</sub> S nano-cubes for electromagnetic interference shielding. Nanoscale, 2017, 9, 10961-10965.	2.8	31
369	Modified carbon fiber/magnetic graphene/epoxy composites with synergistic effect for electromagnetic interference shielding over broad frequency band. Journal of Colloid and Interface Science, 2017, 506, 217-226.	5.0	86
370	Tunable electromagnetic shielding properties of conductive poly(vinylidene fluoride)/Ni chain composite films with negative permittivity. Journal of Materials Chemistry C, 2017, 5, 6954-6961.	2.7	139
371	Microwave absorption properties of SiC@SiO2@Fe3O4 hybrids in the 2–18 GHz range. International Journal of Minerals, Metallurgy and Materials, 2017, 24, 804-813.	2.4	34
372	Development of porous and electrically conductive activated carbon web for effective EMI shielding applications. Carbon, 2017, 111, 439-447.	5.4	120
373	Interface transformation for enhanced microwave-absorption properties of core double-shell nanocomposites. Journal of Alloys and Compounds, 2017, 694, 1224-1231.	2.8	26
374	An effective strategy to enhance mechanical, electrical, andÂelectromagnetic shielding effectiveness of chlorinated polyethylene-carbon nanofiber nanocomposites. Composites Part B: Engineering, 2017, 109, 155-169.	5.9	123
375	Facile synthesis of yolk–shell Ni@void@SnO2(Ni3Sn2) ternary composites via galvanic replacement/Kirkendall effect and their enhanced microwave absorption properties. Nano Research, 2017, 10, 331-343.	5.8	342
376	Effects of graphite on the mechanical and microwave absorption properties of geopolymer based composites. Ceramics International, 2017, 43, 2325-2332.	2.3	33
377	Fibre-reinforced multifunctional SiC matrix composite materials. International Materials Reviews, 2017, 62, 117-172.	9.4	207
378	A novel fluorophore–spacer–receptor to conjugate MWNTs and ferrite nanoparticles to design an ultra-thin shield to screen electromagnetic radiation. Materials Chemistry Frontiers, 2017, 1, 132-145.	3.2	33

#	Article	IF	CITATIONS
379	Dielectric Properties in the Microwave Range of K0.5Na0.5NbO3 Ceramics. Journal of Electronic Materials, 2017, 46, 123-129.	1.0	2
380	Magnetic and microwave absorption properties of La-Nd-Fe alloys. Journal of Magnetism and Magnetic Materials, 2017, 423, 197-202.	1.0	42
381	Effect of initial particle size on microstructure and dielectric properties of Cr/Al2O3 coatings deposited by plasma spraying. Journal of Materials Science: Materials in Electronics, 2017, 28, 167-173.	1.1	2
382	Multilayered graphene-carbon nanotube-iron oxide three-dimensional heterostructure for flexible electromagnetic interference shielding film. Carbon, 2017, 111, 248-257.	5.4	203
383	A frequency-dependent theory of electrical conductivity and dielectric permittivity for graphene-polymer nanocomposites. Carbon, 2017, 111, 221-230.	5.4	137
384	Mechanical and electromagnetic shielding performance of carbon fiber reinforced multilayered (PyC-SiC)n matrix composites. Carbon, 2017, 111, 299-308.	5.4	100
385	Experimental Studies of Electromagnetic Wave Attenuation by Flame and Smoke in Structure Fire. Fire Technology, 2017, 53, 5-27.	1.5	12
386	Reprint of Graphene foam/carbon nanotube/poly(dimethyl siloxane) composites for exceptional microwave shielding. Composites Part A: Applied Science and Manufacturing, 2017, 92, 190-197.	3.8	51
387	Solvothermal Synthesis of Reduced Graphene Oxide/Ferroferric Oxide Hybrid Composites with Enhanced Microwave Absorption Properties. Nano, 2017, 12, 1750144.	0.5	17
388	Effect of Dy Content on Microwave Absorption Properties of Pr 2 Fe 17 Alloy. Rare Metal Materials and Engineering, 2017, 46, 2060-2064.	0.8	7
389	DESIGN OF CARBON NANOTUBE-BASED BROADBAND RADAR ABSORBER FOR KA-BAND FREQUENCY RANGE. Progress in Electromagnetics Research M, 2017, 53, 9-16.	0.5	15
390	Effect of Silica Phase on Certain Properties of Natural Rubber Based Composites Reinforced by Carbon Black/Silica Hybrid Fillers. Progress in Rubber, Plastics and Recycling Technology, 2017, 33, 221-242.	0.8	3
391	Preparation and Evaluation of a Polyimide-Coated Ultrafine Gilt Molybdenum Wire and Its Knitted Mesh Used for Electromagnetic Reflectors. Polymers, 2017, 9, 734.	2.0	9
392	Electromagnetic Properties of Multifunctional Composites Based on Glass Fiber Prepreg and Ni/Carbon Fiber Veil. Journal of Aerospace Technology and Management, 2017, 9, 231-240.	0.3	13
393	Biopolymer assisted synthesis of silica-carbon composite by spray drying. Colloids and Surfaces B: Biointerfaces, 2018, 165, 182-190.	2.5	4
394	Effect of carbon nanotubes on the electromagnetic shielding properties of SiCf/SiC composites. Journal of Alloys and Compounds, 2018, 745, 90-99.	2.8	34
395	A Versatile Route toward the Electromagnetic Functionalization of Metal–Organic Framework-Derived Three-Dimensional Nanoporous Carbon Composites. ACS Applied Materials & Interfaces, 2018, 10, 8965-8975.	4.0	234
396	Preparation of graphene-glass fiber-resin composites and its electromagnetic shielding performance. Composite Interfaces, 2018, 25, 883-900.	1.3	30

#	Article	IF	CITATIONS
397	3D carbon fiber mats/nano-Fe3O4 hybrid material with high electromagnetic shielding performance. Applied Surface Science, 2018, 444, 710-720.	3.1	70
398	Ultrathin Active Layer for Transparent Electromagnetic Shielding Window. ACS Omega, 2018, 3, 2765-2772.	1.6	11
399	Effect of Nickel Distributions Embedded in Amorphous Carbon Films on Transport Properties. Chinese Physics Letters, 2018, 35, 026501.	1.3	0
400	Excellent microwave response derived from the construction of dielectric-loss 1D nanostructure. Nanotechnology, 2018, 29, 195603.	1.3	15
401	Microwave absorption properties of flake-shaped Co particles composites at elevated temperature (293–673â€TK) in X band. Journal of Magnetism and Magnetic Materials, 2018, 456, 92-97.	1.0	31
402	Ku-band electromagnetic wave absorbing properties of polysiloxane derived Si-O-C bulk ceramics. Materials Research Express, 2018, 5, 025039.	0.8	11
403	Polypyrrole-MWCNT-Ag composites for electromagnetic shielding: Comparison between chemical deposition and UV-reduction approaches. Journal of Physics and Chemistry of Solids, 2018, 118, 80-87.	1.9	57
404	Hierarchically Porous Carbons Derived from Biomasses with Excellent Microwave Absorption Performance. ACS Applied Materials & amp; Interfaces, 2018, 10, 11108-11115.	4.0	318
405	Enhanced electromagnetic wave absorption properties of laminated SiCNW-Cf/lithium–aluminum–silicate (LAS) composites. Journal of Alloys and Compounds, 2018, 748, 154-162.	2.8	36
406	Excellent Electromagnetic Wave Absorption of Ironâ€Containing SiBCN Ceramics at 1158 K Highâ€Temperature. Advanced Engineering Materials, 2018, 20, 1701168.	1.6	98
407	Aligning flaky FeSiAl particles with a two-dimensional rotating magnetic field to improve microwave-absorbing and shielding properties of composites. Journal of Magnetism and Magnetic Materials, 2018, 458, 116-122.	1.0	32
408	Impact of morphology and dielectric property on the microwave absorbing performance of MoS 2 -based materials. Journal of Alloys and Compounds, 2018, 751, 34-42.	2.8	103
409	Enhanced low-frequency microwave absorbing property of SCFs@TiO2 composite. Powder Technology, 2018, 333, 153-159.	2.1	138
410	High Electromagnetic Waves Absorbing Performance of a Multilayerâ€Like Structure Absorber Containing Activated Carbon Hollow Porous Fibers–Carbon Nanotubes and Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. Advanced Electronic Materials, 2018, 4, 1700565.	2.6	54
411	Enhanced high-temperature dielectric properties and microwave absorption of SiC nanofibers modified Si3N4 ceramics within the gigahertz range. Ceramics International, 2018, 44, 12301-12307.	2.3	85
412	Novel Scaleâ€Like Structures of Graphite/TiC/Ti <sub>3</sub> C <sub>2</sub> Hybrids for Electromagnetic Absorption. Advanced Electronic Materials, 2018, 4, 1700617.	2.6	86
413	Microwave-Assisted Synthesis of C/SiO <sub>2</sub> Composite with Controllable Silica Nanoparticle Size. ACS Omega, 2018, 3, 4063-4069.	1.6	14
414	Highly oriented flake carbonyl iron/carbon fiber composite as thin-thickness and wide-bandwidth microwave absorber. Journal of Alloys and Compounds, 2018, 744, 629-636.	2.8	64

#	Article	IF	CITATIONS
415	Electromagnetic interference shielding performance of nano-layered Ti3SiC2 ceramics at high-temperatures. AIP Advances, 2018, 8, .	0.6	17
416	Enhanced microwaveâ€absorbing property of precursor infiltration and pyrolysis derived SiCf/SiC composites at X band: Role of carbonâ€rich interphase. Journal of the American Ceramic Society, 2018, 101, 3402-3413.	1.9	23
417	A facile fabrication and highly tunable microwave absorption of 3D flower-like Co3O4-rGO hybrid-architectures. Chemical Engineering Journal, 2018, 339, 487-498.	6.6	415
418	Coexistence of broad-bandwidth and strong microwave absorption in Co2+-Zr4+ co-doped barium ferrite ceramics. Ceramics International, 2018, 44, 6953-6958.	2.3	38
419	Dielectric based energy storage capacity of sol-gel synthesized Sr-doped ZrTiO4 nanocrystallites. Ceramics International, 2018, 44, 6705-6712.	2.3	12
420	Thermal-air ageing treatment on mechanical, electrical, and electromagnetic interference shielding properties of lightweight carbon nanotube based polymer nanocomposites. Composites Part A: Applied Science and Manufacturing, 2018, 107, 447-460.	3.8	95
421	Facile preparation and microwave absorption properties of RGO/MWCNTs/ZnFe2O4 hybrid nanocomposites. Journal of Alloys and Compounds, 2018, 743, 163-174.	2.8	151
422	Highly flexible and ultra-thin Ni-plated carbon-fabric/polycarbonate film for enhanced electromagnetic interference shielding. Carbon, 2018, 132, 32-41.	5.4	115
423	Suppressing Electromagnetic Radiation by Trapping Ferrite Nanoparticles and Carbon Nanotubes in Hierarchical Nanoporous Structures Designed by Crystallizationâ€Induced Phase Separation. ChemistrySelect, 2018, 3, 1189-1201.	0.7	23
424	Anisotropic Dielectric Properties of Carbon Fiber Reinforced Polymer Composites during Microwave Curing. Applied Composite Materials, 2018, 25, 1339-1356.	1.3	15
425	EMI shielding based on MWCNTs/polyester composites. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	32
426	Porous superhydrophobic polymer/carbon composites for lightweight and self-cleaning EMI shielding application. Composites Science and Technology, 2018, 158, 86-93.	3.8	147
427	From nanoscale to macroscale: Engineering biomass derivatives with nitrogen doping for tailoring dielectric properties and electromagnetic absorption. Applied Surface Science, 2018, 439, 176-185.	3.1	26
428	Fabrication of MoS2-graphene modified with Fe3O4 particles and its enhanced microwave absorption performance. Advanced Powder Technology, 2018, 29, 744-750.	2.0	48
429	Fabrication of 3D net-like MWCNTs/ZnFe2O4 hybrid composites as high-performance electromagnetic wave absorbers. Chemical Engineering Journal, 2018, 337, 242-255.	6.6	286
430	SiC/Hf <sub>y</sub> Ta <sub>1â<sup>^</sup>y</sub> C <sub>x</sub> N <sub>1â<sup>^</sup>x</sub> /C ceramic nanocomposites with Hf <sub>y</sub> Ta <sub>1â<sup>^</sup>y</sub> C <sub>x</sub> N <sub>1â<sup>^</sup>x</sub> -carbon core–shell nanostructure and the influence of the carbon-shell thickness on electrical properties. Journal of Materials Chemistry C. 2018. 6. 855-864.	2.7	45
431	Morphological, dielectric, tunable electromagnetic interference shielding and thermal characteristics of multiwalled carbon nanotube incorporated polymer nanocomposites: A facile, environmentally benign and cost effective approach realized via polymer latex/waterborne polymer as matrix. Polymer Composites, 2018, 39, E1169.	2.3	13
432	Tunable magnetic and microwave absorption properties of Sm1.5Y0.5Fe17-xSix and their composites. Acta Materialia, 2018, 145, 331-336.	3.8	115

#	Article	IF	CITATIONS
433	Enhanced Microwave Absorption Properties of FeNi Nanocrystals Decorating Reduced Graphene Oxide. Physica Status Solidi (B): Basic Research, 2018, 255, 1700553.	0.7	10
434	Ti <sub>3</sub> C <sub>2</sub> MXene: a promising microwave absorbing material. RSC Advances, 2018, 8, 2398-2403.	1.7	189
435	Experimental work on mechanical, electromagnetic and microwave shielding effectiveness properties of mortar containing electric arc furnace slag. Construction and Building Materials, 2018, 165, 58-63.	3.2	49
436	Lightweight, flexible and strong core-shell non-woven fabrics covered by reduced graphene oxide for high-performance electromagnetic interference shielding. Carbon, 2018, 130, 59-68.	5.4	150
437	Simultaneously improving the mechanical strength and electromagnetic interference shielding of carbon/carbon composites by electrophoretic deposition of SiC nanowires. Journal of Materials Chemistry C, 2018, 6, 5888-5899.	2.7	46
438	Dielectric and impedance spectroscopy of K+-doped MgAl <sub>2</sub> O <sub>4</sub> nanoparticles. International Journal of Modern Physics B, 2018, 32, 1850189.	1.0	2
439	Facile synthesis and wide-band electromagnetic wave absorption properties of carbon-coated ZnO nanorods. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 398-403.	1.0	3
440	Electromagnetic interference shielding and microwave absorption properties of cobalt ferrite CoFe2O4/polyaniline composite. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	74
441	Crystal structure and wave-transparent properties of lithium aluminum silicate glass-ceramics. Ceramics International, 2018, 44, 14896-14900.	2.3	37
442	Review: Recent process in the design of carbon-based nanostructures with optimized electromagnetic properties. Journal of Alloys and Compounds, 2018, 749, 887-899.	2.8	74
443	Lightweight reduced graphene oxide-Fe <sub>3</sub> O <sub>4</sub> nanoparticle composite in the quest for an excellent electromagnetic interference shielding material. Nanotechnology, 2018, 29, 245203.	1.3	31
444	Superior microwave absorption properties of ultralight reduced graphene oxide/black phosphorus aerogel. Nanotechnology, 2018, 29, 235604.	1.3	41
445	Graphene enhanced flexible expanded graphite film with high electric, thermal conductivities and EMI shielding at low content. Carbon, 2018, 133, 435-445.	5.4	104
446	Hydro-sensitive sandwich structures for self-tunable smart electromagnetic shielding. Chemical Engineering Journal, 2018, 344, 342-352.	6.6	90
447	Graphene nanohybrids: excellent electromagnetic properties for the absorbing and shielding of electromagnetic waves. Journal of Materials Chemistry C, 2018, 6, 4586-4602.	2.7	512
448	Preparation, characterization and microwave absorption properties of porous nickel ferrite hollow nanospheres/helical carbon nanotubes/polypyrrole nanowires composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 8513-8522.	1.1	19
449	Enhanced Microwave Absorption Properties of Double-Layer Absorbers Based on Spherical NiO and CoO.2NiO.4ZnO.4Fe2O4 Ferrite Composites. Acta Metallurgica Sinica (English Letters), 2018, 31, 171-179.	1.5	36
450	Colossal permittivity of carbon nanotubes grafted carbon fiber-reinforced epoxy composites. Materials Letters, 2018, 211, 273-276.	1.3	18

#	Article	IF	CITATIONS
451	An approach to widen the electromagnetic shielding efficiency in PDMS/ferrous ferric oxide decorated RGO–SWCNH composite through pressure induced tunability. Chemical Engineering Journal, 2018, 335, 501-509.	6.6	67
452	Electrospinning of graphite/SiC hybrid nanowires with tunable dielectric and microwave absorption characteristics. Composites Part A: Applied Science and Manufacturing, 2018, 104, 68-80.	3.8	119
453	Metal organic framework-derived CoZn alloy/N-doped porous carbon nanocomposites: tunable surface area and electromagnetic wave absorption properties. Journal of Materials Chemistry C, 2018, 6, 10-18.	2.7	195
454	Effect of SiBCN content on the dielectric and EMW absorbing properties of SiBCN-Si3N4 composite ceramics. Journal of the European Ceramic Society, 2018, 38, 1334-1340.	2.8	48
455	Synthesis, analysis and electrical properties of silicon doped BN nanowires. Journal of Alloys and Compounds, 2018, 731, 84-89.	2.8	6
456	Microstructure and <scp>EMW</scp> absorption properties of <scp>CVI</scp> Si <sub>3</sub> N <sub>4</sub> â€ <sup>c</sup> Si <scp>CN</scp> ceramics with <scp>BN</scp> interface annealed in N <sub>2</sub> atmosphere. Journal of the American Ceramic Society, 2018, 101, 1201-1210.	1.9	20
457	Microwave absorption properties of holey graphene/silicone rubber composites. Composites Part B: Engineering, 2018, 135, 119-128.	5.9	67
458	The construction of carbon-coated Fe3O4 yolk-shell nanocomposites based on volume shrinkage from the release of oxygen anions for wide-band electromagnetic wave absorption. Journal of Colloid and Interface Science, 2018, 511, 307-317.	5.0	111
459	Method for fabricating microwave absorption ceramics with high thermal conductivity. Journal of the European Ceramic Society, 2018, 38, 501-505.	2.8	19
460	Enhanced magnetic and microwave absorption properties of FeCo-SiO2 nanogranular film functionalized carbon fibers fabricated with the radio frequency magnetron method. Applied Surface Science, 2018, 428, 296-303.	3.1	39
461	Confinedly implanted NiFe2O4-rGO: Cluster tailoring and highly tunable electromagnetic properties for selective-frequency microwave absorption. Nano Research, 2018, 11, 1426-1436.	5.8	430
462	Structurally tuning microwave absorption of core/shell structured CNT/polyaniline catalysts for energy efficient saccharide-HMF conversion. Applied Catalysis B: Environmental, 2018, 220, 581-588.	10.8	50
463	Confinedly tailoring Fe3O4 clusters-NG to tune electromagnetic parameters and microwave absorption with broadened bandwidth. Chemical Engineering Journal, 2018, 332, 321-330.	6.6	411
464	MWCNTs as Conductive Network for Monodispersed Fe <sub>3</sub> O <sub>4</sub> Nanoparticles to Enhance the Wave Absorption Performances. Advanced Engineering Materials, 2018, 20, 1700543.	1.6	50
465	A particular interfacial strategy in PVDF/OBC/MWCNT nanocomposites for high dielectric performance and electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2018, 105, 118-125.	3.8	81
466	Electrical conductivity, dielectric and microwave absorption properties of graphene nanosheets/magnesia composites. Journal of the European Ceramic Society, 2018, 38, 1639-1646.	2.8	54
467	Facile and economical fabrication of conductive polyamide 6 composites with segregated expanded graphite networks for efficient electromagnetic interference shielding. Journal of Materials Science: Materials in Electronics, 2018, 29, 1058-1064.	1.1	18
468	Microstructures, dielectric response and microwave absorption properties of polycarbosilane derived SiC powders. Ceramics International, 2018, 44, 3606-3613.	2.3	52

#	Article	IF	CITATIONS
469	Synergism between carbon materials and Ni chains in flexible poly(vinylidene fluoride) composite films with high heat dissipation to improve electromagnetic shielding properties. Carbon, 2018, 127, 469-478.	5.4	169
470	Electromagnetic Shielding Hybrid Nanogenerator for Health Monitoring and Protection. Advanced Functional Materials, 2018, 28, 1703801.	7.8	178
471	Enhanced electromagnetic and microwave absorption properties of carbonyl iron/Ti3SiC2/epoxy resin coating. Journal of Materials Science: Materials in Electronics, 2018, 29, 2500-2508.	1.1	13
472	Ni-modified Ti <sub>3</sub> C <sub>2</sub> MXene with enhanced microwave absorbing ability. Materials Chemistry Frontiers, 2018, 2, 2320-2326.	3.2	87
473	Boron carbide composites with highly aligned graphene nanoplatelets: light-weight and efficient electromagnetic interference shielding materials at high temperatures. RSC Advances, 2018, 8, 39314-39320.	1.7	11
475	Double layered radar absorbing structures of Silicon Carbide fibers/polyimide composites. Synthetic Metals, 2018, 246, 213-219.	2.1	22
476	Doped, conductive SiO2 nanoparticles for large microwave absorption. Light: Science and Applications, 2018, 7, 87.	7.7	114
477	Exploring the feasibility of development of nanomaterial-based microwave absorbers. International Nano Letters, 2018, 8, 241-254.	2.3	11
479	Polymer matrix composites as broadband radar absorbing structures for stealth aircrafts. Journal of Applied Polymer Science, 2019, 136, 47241.	1.3	114
480	Enhanced Electromagnetic Wave Interference by Nanoscale Mixed-Dimensional C-MoS <sub>2</sub> Magnetic van der Waals Heterostructures. ACS Applied Nano Materials, 2018, 1, 5795-5804.	2.4	19
481	Green Approach to Conductive PEDOT:PSS Decorating Magnetic-Graphene to Recover Conductivity for Highly Efficient Absorption. ACS Sustainable Chemistry and Engineering, 2018, 6, 14017-14025.	3.2	113
482	Effect of graphene nanosheets and potassium sodium niobate on microwave absorbing and mechanical properties of quartz fiber/polyimide composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 19192-19199.	1.1	2
483	The electromagnetic properties and microwave absorbing performance of titanium carbide attached single-walled carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2018, 29, 20260-20270.	1.1	5
484	Ultralight Cellulose Porous Composites with Manipulated Porous Structure and Carbon Nanotube Distribution for Promising Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2018, 10, 40156-40167.	4.0	108
485	Graphene Shield by SiBCN Ceramic: A Promising High-Temperature Electromagnetic Wave-Absorbing Material with Oxidation Resistance. ACS Applied Materials & Interfaces, 2018, 10, 39307-39318.	4.0	181
486	A portable and low-cost parallel-plate capacitor sensor for alkali and heavy metal ions detection. Journal of Advanced Dielectrics, 2018, 08, 1850026.	1.5	3
487	Dielectric and electromagnetic interference shielding properties of germanium dioxide nanoparticle reinforced poly(vinyl chloride) and poly(methylmethacrylate) blend nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 20172-20188.	1.1	48
488	Intercalating Hybrids of Sandwich-like Fe <sub>3</sub> O <sub>4</sub> –Graphite: Synthesis and Their Synergistic Enhancement of Microwave Absorption. ACS Sustainable Chemistry and Engineering, 2018, 6, 16744-16753.	3.2	63

#	Article	IF	CITATIONS
489	Enhanced Electromagnetic Microwave Absorption Property of Peapod-like MnO@carbon Nanowires. ACS Applied Materials & Interfaces, 2018, 10, 40078-40087.	4.0	126
490	Overview of carbon nanostructures and nanocomposites for electromagnetic wave shielding. Carbon, 2018, 140, 696-733.	5.4	574
491	Self-Assembled ZnO/Co Hybrid Nanotubes Prepared by Electrospinning for Lightweight and High-Performance Electromagnetic Wave Absorption. ACS Applied Nano Materials, 2018, 1, 5297-5306.	2.4	76
492	Electromagnetic and microwave absorbing properties of cementitious composite for 3D printing containing waste copper solids. Cement and Concrete Composites, 2018, 94, 215-225.	4.6	45
493	Magnetodielectric Microwave Radiation Absorbent Materials and Their Polymer Composites. Journal of Electronic Materials, 2018, 47, 6335-6365.	1.0	44
494	Non-isothermal oxidation kinetics of FeSiAl alloy powder for microwave absorption at high temperature. Composites Part B: Engineering, 2018, 155, 282-287.	5.9	41
495	Preparation of boron nitride nanosheet-coated carbon fibres and their enhanced antioxidant and microwave-absorbing properties. RSC Advances, 2018, 8, 17944-17949.	1.7	37
496	High-performance microwave absorption materials based on MoS 2 -graphene isomorphic hetero-structures. Journal of Alloys and Compounds, 2018, 758, 62-71.	2.8	77
497	Dependences of microstructure on electromagnetic interference shielding properties of nano-layered Ti3AlC2 ceramics. Scientific Reports, 2018, 8, 7935.	1.6	24
498	Characterization and analysis of the thermal damages of aramid/epoxy composite laminates induced by the dielectric heating effect of microwaves. Composite Structures, 2018, 200, 371-379.	3.1	11
499	Hierarchical Carbon Nanotube-Coated Carbon Fiber: Ultra Lightweight, Thin, and Highly Efficient Microwave Absorber. ACS Applied Materials & Interfaces, 2018, 10, 24816-24828.	4.0	229
500	Investigation of Electromagnetic Interference Shielding Effectiveness of CZ Grown Ge Optical Windows. Crystal Research and Technology, 2018, 53, 1800069.	0.6	4
501	Enhanced Microwave Absorption Properties of Manganese Dioxide/Carbon Fiber Hybrid with Polyaniline in the X Band. Journal of Electronic Materials, 2018, 47, 5564-5571.	1.0	16
502	Infrared extinction and microwave absorption properties of hybrid Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @Ag nanospheres synthesized via a facile seed-mediated growth route. Nanotechnology, 2018, 29, 375703.	1.3	7
503	Hierarchically porous carbons with controlled structures for efficient microwave absorption. Journal of Materials Chemistry C, 2018, 6, 8839-8845.	2.7	59
504	Highly Cuboid-Shaped Heterobimetallic Metal–Organic Frameworks Derived from Porous Co/ZnO/C Microrods with Improved Electromagnetic Wave Absorption Capabilities. ACS Applied Materials & Interfaces, 2018, 10, 29136-29144.	4.0	282
505	Integrated strength and toughness in graphene/calcium alginate films for highly efficient electromagnetic interference shielding. Journal of Materials Chemistry C, 2018, 6, 9166-9174.	2.7	54
506	Effect of temperature on dielectric response in X-band of silicon nitride ceramics prepared by gelcasting. AIP Advances, 2018, 8, 075127.	0.6	9

#	Article	IF	CITATIONS
507	Li2O-Ta2O5-TiO2 M-phase solid solutions as effective X-band shielders. Ceramics International, 2018, 44, 20484-20489.	2.3	4
508	Optical and structural properties enhancement of hybrid nanocomposites thin films based on polyaniline doped with Zinc Oxide embedded in bimodal mesoporous silica (ZnO@SiOX) nanoparticles. Optical Materials, 2018, 84, 703-713.	1.7	46
509	Enhanced Flexibility and Microwave Absorption Properties of HfC/SiC Nanofiber Mats. ACS Applied Materials & amp; Interfaces, 2018, 10, 29876-29883.	4.0	107
510	Microstructure and electromagnetic wave absorption properties of RGO-SiBCN composites via PDC technology. Ceramics International, 2018, 44, 18759-18769.	2.3	45
511	Dielectrical and structural studies of composite matrix BiVO4–CaTiO3 and temperature effects by impedance spectroscopy. Journal of Materials Science: Materials in Electronics, 2018, 29, 16248-16258.	1.1	16
512	Chiral polyaniline with superhelical structures for enhancement in microwave absorption. Chemical Engineering Journal, 2018, 352, 745-755.	6.6	88
513	Reduced Graphene Oxide: Effect of Reduction on Electrical Conductivity. Journal of Composites Science, 2018, 2, 25.	1.4	61
514	Designed fabrication of reduced graphene oxides/Ni hybrids for effective electromagnetic absorption and shielding. Carbon, 2018, 139, 759-767.	5.4	267
515	Structural and dielectric behaviour analysis of TiO2 addition on the ceramic matrix BiVO4. Journal of Materials Science: Materials in Electronics, 2018, 29, 14557-14566.	1.1	8
516	Microwave Attenuation of Graphene Modified Thermoplastic Poly(Butylene adipate-co-terephthalate) Nanocomposites. Polymers, 2018, 10, 582.	2.0	23
517	Interlaminar fracture toughness and electromagnetic interference shielding of hybrid-stitched carbon fiber composites. Journal of Reinforced Plastics and Composites, 2018, 37, 1131-1141.	1.6	11
518	Recent Progresses of High-Temperature Microwave-Absorbing Materials. Nano, 2018, 13, 1830005.	0.5	136
519	Development of Multilayered Nanocomposites for Applications in Personal Protection. Fibers and Polymers, 2018, 19, 1288-1294.	1.1	7
520	Role of Gd-doping in conduction mechanism of BFO-PZO nanocrystalline composites: Experimental and first-principles studies. Journal of Alloys and Compounds, 2018, 768, 198-213.	2.8	18
521	Microwave Absorption Properties of Fe-Based Amorphous Particles Prepared Using Ball-Milling Method. Journal of Electronic Materials, 2018, 47, 5981-5986.	1.0	12
522	High-Temperature Stable and Metal-Free Electromagnetic Wave-Absorbing SiBCN Ceramics Derived from Carbon-Rich Hyperbranched Polyborosilazanes. ACS Applied Materials & Interfaces, 2018, 10, 28051-28061.	4.0	121
523	Mechanical and dielectric properties of carbon fiber reinforced reaction bonded silicon nitride composites. Journal of Alloys and Compounds, 2018, 767, 1083-1093.	2.8	15
524	Hierarchically structured cellulose aerogels with interconnected MXene networks and their enhanced microwave absorption properties. Journal of Materials Chemistry C, 2018, 6, 8679-8687.	2.7	195

#	Article	IF	Citations
525	Temperature-dependent dielectric and microwave absorption properties of silicon carbide fiber-reinforced oxide matrices composite. Journal of Materials Science, 2018, 53, 15465-15473.	1.7	18
526	Mechanical interlock effect between polypropylene/carbon fiber composite generated by interfacial branched fibers. Composites Science and Technology, 2018, 167, 1-6.	3.8	23
527	The Fabrication and High-Efficiency Electromagnetic Wave Absorption Performance of CoFe/C Core–Shell Structured Nanocomposites. Nanoscale Research Letters, 2018, 13, 68.	3.1	18
528	Polyurethane/carbon fiber composite tubular electrode featuring three-dimensional interpenetrating conductive network. Carbon, 2018, 139, 999-1009.	5.4	34
529	Polyol derived Ni and NiFe alloys for effective shielding of electromagnetic interference. Materials Chemistry Frontiers, 2018, 2, 1829-1841.	3.2	63
530	Highly efficient microwave absorption properties and broadened absorption bandwidth of MoS2-iron oxide hybrids and MoS2-based reduced graphene oxide hybrids with Hetero-structures. Applied Surface Science, 2018, 462, 872-882.	3.1	90
531	Progress in low-frequency microwave absorbing materials. Journal of Materials Science: Materials in Electronics, 2018, 29, 17122-17136.	1.1	150
532	Refractory Metamaterial Microwave Absorber with Strong Absorption Insensitive to Temperature. Advanced Optical Materials, 2018, 6, 1800691.	3.6	32
533	Extended Working Frequency of Ferrites by Synergistic Attenuation through a Controllable Carbothermal Route Based on Prussian Blue Shell. ACS Applied Materials & Interfaces, 2018, 10, 28887-28897.	4.0	83
534	Enhanced Electrical and Electromagnetic Interference Shielding Properties of Polymer–Graphene Nanoplatelet Composites Fabricated via Supercritical-Fluid Treatment and Physical Foaming. ACS Applied Materials & Interfaces, 2018, 10, 30752-30761.	4.0	156
535	Multiscale designed SiC <sub>f</sub> /Si <sub>3</sub> N <sub>4</sub> composite for low and high frequency cooperative electromagnetic absorption. Journal of the American Ceramic Society, 2018, 101, 5552-5563.	1.9	29
536	Preparation and characterization of BaSmxFe12â^'xO19/polypyrrole composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 13148-13160.	1.1	6
537	Thermally Driven Transport and Relaxation Switching Selfâ€Powered Electromagnetic Energy Conversion. Small, 2018, 14, e1800987.	5.2	733
538	Tunable dielectric response and electronic conductivity of potassium-ion-doped tunnel-structured manganese oxides. Journal of Applied Physics, 2018, 123, 214101.	1.1	6
539	Bio-gel derived nickel/carbon nanocomposites with enhanced microwave absorption. Journal of Materials Chemistry C, 2018, 6, 8812-8822.	2.7	301
540	3D printed honeycomb spacers: Tailoring sandwich structures for enhanced electromagnetic shielding. Journal of Reinforced Plastics and Composites, 2018, 37, 1072-1082.	1.6	9
541	Synthesis, characterization, interfacial interactions, and properties of reduced graphene oxide/Fe <sub>3</sub> O <sub>4</sub> /polyaniline nanocomposites. Polymer Composites, 2019, 40, E1111.	2.3	8
542	Excellent microwave absorption of carbon black/reduced graphene oxide composite with low loading. Journal of Materials Science, 2019, 54, 13990-14001.	1.7	42

#	Article	IF	CITATIONS
543	Heterogeneous nucleation promoting formation and enhancing microwave absorption properties in hierarchical sandwich-like polyaniline/graphene oxide induced by mechanical agitation. Composites Science and Technology, 2019, 182, 107780.	3.8	52
544	Synthesis of LiCo0.94Mg0.06O2: a promising material with high dielectric and microwave absorption performance. Journal of Materials Science: Materials in Electronics, 2019, 30, 15935-15942.	1.1	2
545	Highly Conductive Multifunctional rGO/CNT Hybrid Sponge for Electromagnetic Wave Shielding and Strain Sensor. Advanced Materials Technologies, 2019, 4, 1900443.	3.0	32
546	Synthesis and microwave absorption of Ti3C2Tx MXene with diverse reactant concentration, reaction time, and reaction temperature. Ceramics International, 2019, 45, 23600-23610.	2.3	37
547	Transparent Perfect Microwave Absorber Employing Asymmetric Resonance Cavity. Advanced Science, 2019, 6, 1901320.	5.6	40
548	Depositing CNTs on the interface and surface of C/PyC/SiCs for tunable mechanical and electromagnetic properties. Ceramics International, 2019, 45, 23411-23417.	2.3	11
549	Carbonaceous photonic crystals prepared by high-temperature/hydrothermal carbonization as high-performance microwave absorbers. Journal of Materials Science, 2019, 54, 14343-14353.	1.7	6
550	Synthesis and remarkable microwave absorption properties of amine-functionalized magnetite/graphene oxide nanocomposites. Journal of Alloys and Compounds, 2019, 809, 151779.	2.8	29
551	Mechanical properties and electromagnetic shielding performance of single-source-precursor synthesized dense monolithic SiC/HfC <sub>x</sub> N <sub>1â^'x</sub> /C ceramic nanocomposites. Journal of Materials Chemistry C, 2019, 7, 10683-10693.	2.7	27
552	Thermal management applied laminar composites with SiC nanowires enhanced interface bonding strength and thermal conductivity. Nanoscale, 2019, 11, 15836-15845.	2.8	14
553	EMI shielding of ABS composites filled with different temperature-treated equal-quantity charcoals. RSC Advances, 2019, 9, 23718-23726.	1.7	6
554	Electromagnetic interference shielding and microwave absorption performance of magnetic Co@C/Na2SiO3 composite at 673â€K. Ceramics International, 2019, 45, 23172-23179.	2.3	10
555	Self-Assembly Three-Dimensional Porous Carbon Networks for Efficient Dielectric Attenuation. ACS Applied Materials & Interfaces, 2019, 11, 30228-30233.	4.0	106
556	Flexible Fabrication of Flexible Electronics: A General Laser Ablation Strategy for Robust Largeâ€Area Copperâ€Based Electronics. Advanced Electronic Materials, 2019, 5, 1900365.	2.6	37
557	A self-assembled graphene/polyurethane sponge for excellent electromagnetic interference shielding performance. RSC Advances, 2019, 9, 25829-25835.	1.7	38
558	Microwave filter characteristics of ferrite and polyaniline composites from 8.2 to 12.4ÂGHz. Journal of Materials Science: Materials in Electronics, 2019, 30, 14923-14927.	1.1	1
559	Excellent microwave absorption properties based on a composite of one dimensional Mo <sub>2</sub> C@C nanorods and a PVDF matrix. RSC Advances, 2019, 9, 21243-21248.	1.7	19
560	Solar-driven efficient degradation of emerging contaminants by g-C3N4-shielding polyester fiber/TiO2 composites. Applied Catalysis B: Environmental, 2019, 258, 117960.	10.8	68

#	Article	IF	CITATIONS
561	Conductive-network enhanced microwave absorption performance from carbon coated defect-rich Fe2O3 anchored on multi-wall carbon nanotubes. Carbon, 2019, 155, 298-308.	5.4	113
562	Induced crystallization behavior and EMW absorption properties of CVI SiCN ceramics modified with carbon nanowires. Chemical Engineering Journal, 2019, 378, 122213.	6.6	24
563	Mechanical and electromagnetic wave absorption properties of Cf-Si3N4 ceramics with PyC/SiC interphases. Journal of Materials Science and Technology, 2019, 35, 2809-2813.	5.6	53
564	Ultrastrong and conductive MXene/cellulose nanofiber films enhanced by hierarchical nano-architecture and interfacial interaction for flexible electromagnetic interference shielding. Journal of Materials Chemistry C, 2019, 7, 9820-9829.	2.7	186
565	Synthesis and electromagnetic wave absorption properties of three-dimensional nano-flower structure of MoS2/polyaniline nanocomposites. Journal of Materials Science: Materials in Electronics, 2019, 30, 13948-13956.	1.1	16
566	Recent progress of nanomaterials for microwave absorption. Journal of Materiomics, 2019, 5, 503-541.	2.8	318
567	Mesoporous strontium ferrite/polythiophene composite: Influence of enwrappment on structural, thermal, and electromagnetic interference shielding. Composites Part B: Engineering, 2019, 175, 107143.	5.9	30
568	Effects of upgrading temperature on electromagnetic shielding properties of three-dimensional graphene/SiBCN/SiC ceramic composites. Ceramics International, 2019, 45, 21278-21285.	2.3	15
569	Electromagnetic Functions of Patterned 2D Materials for Micro–Nano Devices Covering GHz, THz, and Optical Frequency. Advanced Optical Materials, 2019, 7, 1900689.	3.6	105
570	Interfacial design of sandwich-like CoFe@Ti3C2Tx composites as high efficient microwave absorption materials. Applied Surface Science, 2019, 494, 540-550.	3.1	91
571	Enhanced microwave absorption properties of La doping BaSnO3 ceramic powder. Journal of Materials Science: Materials in Electronics, 2019, 30, 15420-15428.	1.1	8
572	Dielectric response and microwave absorption properties of SiC whisker-coated carbon fibers. Journal of Materials Science: Materials in Electronics, 2019, 30, 15075-15083.	1.1	9
573	Light-weight and low-cost electromagnetic wave absorbers with high performances based on biomass-derived reduced graphene oxides. Nanotechnology, 2019, 30, 445708.	1.3	104
574	Synergistic Effects between MXenes and Ni Chains in Flexible and Ultrathin Electromagnetic Interference Shielding Films. Advanced Materials Interfaces, 2019, 6, 1900961.	1.9	74
575	Enhanced wave-absorbing performances of silicone rubber composites by incorporating C-SnO2-MWCNT absorbent with ternary heterostructure. Ceramics International, 2019, 45, 20282-20289.	2.3	50
576	Effect of Morphology of Calcium Carbonate on Toughness Behavior and Thermal Stability of Epoxy-Based Composites. Processes, 2019, 7, 178.	1.3	30
577	Effect of the planar coil and linear arrangements of continuous carbon fiber tow on the electromagnetic interference shielding effectiveness, with comparison of carbon fibers with and without nickel coating. Carbon, 2019, 152, 898-908.	5.4	43
578	High-performance microwave absorption of hierarchical graphene-based and MWCNT-based full-carbon nanostructures. Applied Surface Science, 2019, 493, 541-550.	3.1	18

#	Article	IF	CITATIONS
579	Novel and facile reduced graphene oxide anchored Ni-Co-Zn-Nd-ferrites composites for microwave absorption. Scripta Materialia, 2019, 171, 42-46.	2.6	40
580	Large-scale synthesis and outstanding microwave absorption properties of carbon nanotubes coated by extremely small FeCo-C core-shell nanoparticles. Carbon, 2019, 153, 52-61.	5.4	104
581	Plasmon resonance strategy to enhance permittivity and microwave absorbing performance of Cu/C core-shell nanowires. Chemical Engineering Journal, 2019, 378, 122160.	6.6	57
582	Jute-based porous biomass carbon composited by Fe3O4 nanoparticles as an excellent microwave absorber. Journal of Alloys and Compounds, 2019, 803, 1119-1126.	2.8	51
583	Self-Assembly Construction of WS <sub>2</sub> –rGO Architecture with Green EMI Shielding. ACS Applied Materials & Interfaces, 2019, 11, 26807-26816.	4.0	117
584	Graphene-improved dielectric property of CCTO/PVDF composite film. Ferroelectrics, 2019, 540, 154-161.	0.3	12
585	Structure and performance of Ni@Ni <sub>3</sub> S <sub>2</sub> foam for microwave absorption. Journal Physics D: Applied Physics, 2019, 52, 485003.	1.3	14
586	Simple preparation and excellent microwave attenuation property of Fe3O4- and FeS2- decorated graphene nanosheets by liquid-phase exfoliation. Journal of Alloys and Compounds, 2019, 810, 151881.	2.8	13
587	Fe/Fe <sub>3</sub> O <sub>4</sub> @N-Doped Carbon Hexagonal Plates Decorated with Ag Nanoparticles for Microwave Absorption. ACS Applied Nano Materials, 2019, 2, 7266-7278.	2.4	43
588	Ultra-thin broccoli-like SCFs@TiO2 one-dimensional electromagnetic wave absorbing material. Composites Part B: Engineering, 2019, 178, 107507.	5.9	99
589	The underlying mechanisms of enhanced microwave absorption performance for the NiFe2O4-decorated Ti3C2Tx MXene. Results in Physics, 2019, 15, 102750.	2.0	33
590	Facile approach for a robust graphene/silver nanowires aerogel with high-performance electromagnetic interference shielding. RSC Advances, 2019, 9, 27-33.	1.7	33
591	Surface modification and microwave absorption properties of lightweight CNT absorbent. Journal of Materials Science: Materials in Electronics, 2019, 30, 21048-21058.	1.1	14
592	Novel and effective strategy for producing NiFe alloy fibers with tunable microwave absorption performance. Materialia, 2019, 8, 100495.	1.3	4
593	Wide-Band Tunable Microwave-Absorbing Ceramic Composites Made of Polymer-Derived SiOC Ceramic and in Situ Partially Surface-Oxidized Ultra-High-Temperature Ceramics. ACS Applied Materials & Interfaces, 2019, 11, 45862-45874.	4.0	56
594	An investigation of microstructural, magnetic and microwave absorption properties of multi-walled carbon nanotubes/Ni0.5Zn0.5Fe2O4. Scientific Reports, 2019, 9, 15523.	1.6	29
595	Effect of Laser Ablation on Microwave Attenuation Properties of Diamond Films. Materials, 2019, 12, 3700.	1.3	5
596	Electromagnetic shielding of ultrathin, lightweight and strong nonwoven composites decorated by a bandage-style interlaced layer electropolymerized with polyaniline. Journal of Materials Science: Materials in Electronics, 2019, 30, 20420-20431.	1.1	9

#	Article	IF	CITATIONS
597	Electrical Tunability of Domain Wall Conductivity in LiNbO <sub>3</sub> Thin Films. Advanced Materials, 2019, 31, e1902890.	11.1	61
598	Carbon nanostructures for electromagnetic shielding applications. , 2019, , 205-223.		12
599	Microwave plasma assisted reduction synthesis of hexagonal cobalt nanosheets with enhanced electromagnetic performances. Nanotechnology, 2019, 30, 495601.	1.3	7
600	Lightweight non-woven fabric graphene aerogel composite matrices for assembling carbonyl iron as flexible microwave absorbing textiles. Journal of Materials Science: Materials in Electronics, 2019, 30, 17137-17144.	1.1	12
601	Amorphous/Nanocrystalline Carbonized Hydrochars with Isomeric Heterogeneous Interfacial Polarizations for High-performance Microwave Absorption. Scientific Reports, 2019, 9, 12429.	1.6	15
602	Enhanced microwave absorption performance of porous and hollow CoNi@C microspheres with controlled component and morphology. Journal of Alloys and Compounds, 2019, 809, 151837.	2.8	83
603	Metal organic framework-derived three-dimensional graphene-supported nitrogen-doped carbon nanotube spheres for electromagnetic wave absorption with ultralow filler mass loading. Carbon, 2019, 155, 233-242.	5.4	109
604	Ultrathin and Flexible CNTs/MXene/Cellulose Nanofibrils Composite Paper for Electromagnetic Interference Shielding. Nano-Micro Letters, 2019, 11, 72.	14.4	276
605	Mechanical, thermal and EMI shielding study of electrically conductive polymeric hybrid nano-composites. Journal of Materials Science: Materials in Electronics, 2019, 30, 17382-17392.	1.1	35
606	Uniformly coating MnOx nanoflakes onto carbon nanofibers as lightweight and wideband microwave absorbers with frequency-selective absorption. Materials and Design, 2019, 183, 108167.	3.3	40
607	Electromagnetic shielding and multi-beam radiation with high conductivity multilayer graphene film. Carbon, 2019, 155, 506-513.	5.4	60
608	Dielectric and piezoelectric properties of 0.970(0.95(K0.485Na0.515)NbO3–0.05LiSbO3)–0.015CuO–0.015Al2O3/PVDF 0–3 composite reinforc two kinds of ZnO powder. Optical and Quantum Electronics, 2019, 51, 1.	edusyith	5
609	Enhanced electromagnetic wave absorption by optimized impedance matching: covalently bonded polyaniline nanorods over graphene nanoplates. Journal of Materials Science: Materials in Electronics, 2019, 30, 19426-19436.	1.1	7
610	Facile synthesis of cobalt-zinc ferrite microspheres decorated nitrogen-doped multi-walled carbon nanotubes hybrid composites with excellent microwave absorption in the X-band. Composites Science and Technology, 2019, 184, 107839.	3.8	106
611	<i>In situ</i> preparation of C–SiC <sub>x</sub> O <sub>y</sub> coatings with controllable composition on continuous oxygen-enriched SiC fibres. RSC Advances, 2019, 9, 1319-1326.	1.7	9
612	Porous Co <sub>9</sub> S <sub>8</sub> nanotubes with the percolation effect for lightweight and highly efficient electromagnetic wave absorption. Journal of Materials Chemistry C, 2019, 7, 1696-1704.	2.7	44
613	Microwave absorption properties of SiO2 doped furan resin derived carbon particles. Journal of Materials Science: Materials in Electronics, 2019, 30, 3359-3364.	1.1	4
614	Oxygen vacancy defects enhanced electromagnetic wave absorption properties of 3D net-like multi-walled carbon nanotubes/cerium oxide nanocomposites. Journal of Alloys and Compounds, 2019, 785, 616-626.	2.8	52

ARTICLE IF CITATIONS Enhancement of electromagnetic shielding and piezoelectric properties of White Portland cement by 615 3.2 14 hydration time. Construction and Building Materials, 2019, 204, 20-27. A comparative study on electromagnetic interference shielding effectiveness of carbon nanofiber and 2.1 nanofibrillated cellulose composites. Synthetic Metals, 2019, 247, 285-297. High temperature electromagnetic wave absorption properties of SiCf/Si3N4 composite induced by 617 2.3 55 different SiC fibers. Ceramics International, 2019, 45, 6514-6522. Fluorinated carbon nanofiber/polyimide composites: Electrical, mechanical, and hydrophobic 618 properties. Surface and Coatings Technology, 2019, 361, 206-211. Crystalline–Amorphous Permalloy@Iron Oxide Core–Shell Nanoparticles Decorated on Graphene as 619 High-Efficiency, Lightweight, and Hydrophobic Microwave Absorbents. ACS Applied Materials & amp; 4.0 96 Interfaces, 2019, 11, 6374-6383. Colossal electric permittivity discovered in polyacrylonitrile (PAN) based carbon fiber, with comparison of PAN-based and pitch-based carbon fibers. Carbon, 2019, 145, 734-739. 620 5.4 The dielectric, magnetic and microwave absorption properties of Cu-substituted Mg-Ni spinel 621 2.3 53 ferrite-MWCNT nanocomposites. Ceramics International, 2019, 45, 7606-7613. Effect of SiC nanowires on the high-temperature microwave absorption properties of SiCf/SiC 2.8 124 composites. Journal of the European Ceramic Society, 2019, 39, 1743-1756. Morphology-controlled synthesis and excellent microwave absorption performance of 623 ZnCo<sub>2</sub>O<sub>4</sub> nanostructures <i>via</i> a self-assembly process of flake units. 2.8 166 Nanoscale, 2019, 11, 2694-2702. <i>In situ</i> regulating aspect ratio of bamboo-like CNTs <i>via</i> 624 Co<sub>x</sub>Ni<sub>1a~x</sub>-catalyzed growth to pursue superior microwave attenuation in X-band. Inorganic Chemistry Frontiers, 2019, 6, 309-316. 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. Inorganic Chemistry Frontiers, 2019, 6, 625 3.082 590-597. Ultralight CoNi/rGO aerogels toward excellent microwave absorption at ultrathin thickness. Journal 238 of Materials Chemistry C, 2019, 7, 441-448. Construction of a micro/nano structured surface on a l2-TCP/CaSiO3 bioceramic promotes osteogenic 627 1.3 4 differentiation of mBMSCs. CrystEngComm, 2019, 21, 513-523. Magnetic aligned Fe3O4-reduced graphene oxide/waterborne polyurethane composites with 5.4 65 controllable structure for high microwave absorption capacity. Carbon, 2019, 152, 661-670. Ultra-light 3D reduced graphene oxide aerogels decorated with cobalt ferrite and zinc oxide perform 629 excellent electromagnetic interference shielding effectiveness. Composites Part A: Applied Science 3.8 63 and Manufacturing, 2019, 123, 232-241. Preparation of highly conductive graphene-coated glass fibers by sol-gel and dip-coating method. 38 Journal of Materials Science and Technology, 2019, 35, 1989-1995. EMI shielding properties of polymer blends with inclusion of graphene nano platelets. Results in 631 2.0 73 Physics, 2019, 14, 102365. Steady microwave absorption behavior of two-dimensional metal carbide MXene and Polyaniline composite in X-band. Journal of Magnetism and Magnetic Materials, 2019, 488, 165364.

#	Article	IF	CITATIONS
633	Extended Effective Frequency of Three-Dimensional Graphene with Sustainable Energy Attenuation. ACS Sustainable Chemistry and Engineering, 2019, 7, 10477-10483.	3.2	26
634	Heterostructured TiO <sub>2</sub> /C/Co from ZIF-67 Frameworks for Microwave-Absorbing Nanomaterials. ACS Applied Nano Materials, 2019, 2, 4451-4461.	2.4	61
635	Electromagnetic-wave absorption property of Cr2O3–TiO2 coating with frequency selective surface. Journal of Alloys and Compounds, 2019, 803, 111-117.	2.8	17
636	Synergistic effect of silica coated porous rodlike nickel ferrite and multiwalled carbon nanotube with improved electromagnetic wave absorption performance. Journal of Alloys and Compounds, 2019, 802, 364-372.	2.8	60
637	LiCoxNi1â^'xO2 with high dielectric and microwave absorption performance in X-band. Ceramics International, 2019, 45, 17800-17805.	2.3	8
638	Effects of oxidation temperature on microstructure and EMI shielding performance of layered SiC/PyC porous ceramics. Journal of the European Ceramic Society, 2019, 39, 4527-4534.	2.8	14
639	MOF-derived graphitized porous carbon/Fe–Fe3C nanocomposites with broadband and enhanced microwave absorption performance. Journal of Materials Science: Materials in Electronics, 2019, 30, 12012-12022.	1.1	18
640	Tuning the inner hollow structure of lightweight amorphous carbon for enhanced microwave absorption. Chemical Engineering Journal, 2019, 375, 121914.	6.6	71
641	Lightweight three-dimensional Fe3O4/carbon micro-flowers with tunable microwave absorption properties. Journal of Alloys and Compounds, 2019, 798, 414-423.	2.8	30
642	SiC encapsulated Fe@CNT ultra-high absorptive shielding material for high temperature resistant EMI shielding. Ceramics International, 2019, 45, 17144-17151.	2.3	38
643	Carbon materials and their composites for electromagnetic interference shielding effectiveness in X-band. Carbon, 2019, 152, 159-187.	5.4	365
644	Processing and characterization of robust carbon–carbon composites from inexpensive petroleum pitch without re-impregnation process. Composites Part B: Engineering, 2019, 174, 106943.	5.9	16
645	Electromagnetic interference shielding effectiveness of a flexible carbon fiber felt containing in situ grown hafnium carbide nanowires and nanobelts. Ceramics International, 2019, 45, 19513-19516.	2.3	16
646	Electromagnetic shielding effectiveness and electrical conductivity of a thin silver layer deposited onto cellulose film via electroless plating. Journal of Materials Science: Materials in Electronics, 2019, 30, 12044-12053.	1.1	12
647	Enhanced electromagnetic wave absorption of worm-like hollow porous MnO@C/CNTs composites. Journal of Alloys and Compounds, 2019, 797, 1086-1094.	2.8	18
648	Lightweight reduced graphene oxide-ZnO nanocomposite for enhanced dielectric loss and excellent electromagnetic interference shielding. Composites Part B: Engineering, 2019, 172, 234-242.	5.9	56
649	Thin carbon nanostructure mat with high electromagnetic interference shielding performance. Synthetic Metals, 2019, 253, 48-56.	2.1	15
650	High temperature anti-oxidative and tunable wave absorbing SiC/Fe3Si/CNTs composite ceramic derived from a novel polysilyacetylene. Ceramics International, 2019, 45, 16369-16379.	2.3	37

#	Article	IF	Citations
651	Synthesis of mesoporous hexagonal cobalt nanosheets with low permittivity for enhancing microwave absorption performances. Journal of Magnetism and Magnetic Materials, 2019, 486, 165272.	1.0	31
652	Tailoring GO/BaFe <sub>12</sub> O <sub>19</sub> /La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> ternary nanocomposite and investigation of its microwave characteristics. Materials Research Express, 2019, 6, 085063.	0.8	24
653	Facile synthesis of lightweight carbonized hydrochars decorated with dispersed ZnO nanocrystals and enhanced microwave absorption properties. Carbon, 2019, 150, 259-267.	5.4	33
654	Starfish-like C/CoNiO2 heterostructure derived from ZIF-67 with tunable microwave absorption properties. Chemical Engineering Journal, 2019, 373, 122-130.	6.6	139
655	Electromagnetic absorption performance of two-dimensional MXene Ti3C2Tx exfoliated by HCl†+†LiF etchant with diverse etching times. Materials Letters, 2019, 252, 8-10.	1.3	49
656	Silicon carbide/phosphate ceramics composite for electromagnetic shielding applications: Whiskers vs particles. Applied Physics Letters, 2019, 114, 183105.	1.5	22
657	Effect of Scanning Speed with UV Laser Cleaning on Adhesive Bonding Tensile Properties of CFRP. Applied Composite Materials, 2019, 26, 1087-1099.	1.3	17
658	Lightweight and High-Performance Microwave Absorber Based on 2D WS2–RGO Heterostructures. Nano-Micro Letters, 2019, 11, 38.	14.4	176
659	Effects of Temperature on Relaxation Time and Electrical Conductivity of Spent Automobile Catalyst at Microwave Frequencies. Jom, 2019, 71, 2353-2359.	0.9	5
660	Microwave Absorption and Shielding Property of Fe–Si–Al Alloy/MWCNT/Polymer Nanocomposites. Langmuir, 2019, 35, 6950-6955.	1.6	27
661	Microwave absorption enhancement by adjusting reactant ratios and filler contents based on 1D K–MnO <sub>2</sub> @PDA and poly(vinylidene fluoride) matrix. RSC Advances, 2019, 9, 13088-13095.	1.7	10
662	Structural, morphological and optomagnetic properties of GO/Nd/Cu-Mn ferrite ternary nanocomposite. Ceramics International, 2019, 45, 16138-16146.	2.3	12
663	Electromagnetic shielding effectiveness of carbon fibre reinforced composites. Composites Part B: Engineering, 2019, 173, 106906.	5.9	126
664	(SiC-Si3N4)w/SiBCN composite ceramics with tunable electromagnetic properties. Journal of Alloys and Compounds, 2019, 798, 280-289.	2.8	25
665	Preparation and Characterization of Copper Chromium Oxide Nanoparticles Using Modified Solâ€Gel Route and Evaluation of Their Microwave Absorption Properties. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900057.	0.8	27
666	Ï€-Ï€ stacking interface design for improving the strength and electromagnetic interference shielding of ultrathin and flexible water-borne polymer/sulfonated graphene composites. Carbon, 2019, 149, 679-692.	5.4	87
667	Synthesis of pomegranate-like Mo2C@C nanospheres for highly efficient microwave absorption. Chemical Engineering Journal, 2019, 372, 312-320.	6.6	152
668	Enhanced Microwave Absorption Performance from Magnetic Coupling of Magnetic Nanoparticles Suspended within Hierarchically Tubular Composite. Advanced Functional Materials, 2019, 29, 1901448.	7.8	566

#	Article	IF	CITATIONS
669	Room-Temperature Ferromagnetic Sr <sub>3</sub> YCo <sub>4</sub> O <sub>10+δ</sub> and Carbon Black-Reinforced Polyvinylidenefluoride Composites toward High-Performance Electromagnetic Interference Shielding. ACS Omega, 2019, 4, 8196-8206.	1.6	31
670	Preparation and microwave absorption properties of ZnFe2O4/polyaniline/graphene oxide composite. Results in Physics, 2019, 13, 102221.	2.0	33
671	3D-structured assembly of RGO and Ag nanowires for enhanced microwave absorption performance epoxy composites. Journal of Materials Science: Materials in Electronics, 2019, 30, 10321-10331.	1.1	15
672	Combination of various grain sizes from nano to micron in polycrystalline holmium manganite (HoMnO3) as potential microwave absorbing application. Journal of Materials Science: Materials in Electronics, 2019, 30, 10742-10753.	1.1	2
673	Reduced Graphene Oxide Functionalized Strontium Ferrite in Poly(3,4â€ethylenedioxythiophene) Conducting Network: A Highâ€Performance EMI Shielding Material. Advanced Materials Technologies, 2019, 4, 1900023.	3.0	72
674	Direct large-scale fabrication of C-encapsulated B4C nanoparticles with tunable dielectric properties as excellent microwave absorbers. Carbon, 2019, 148, 504-511.	5.4	30
675	Engineering morphology configurations of hierarchical flower-like MoSe2 spheres enable excellent low-frequency and selective microwave response properties. Chemical Engineering Journal, 2019, 372, 390-398.	6.6	253
676	Dielectric properties of porous SiC/Si3N4 ceramics by polysilazane immersion-pyrolysis. Progress in Natural Science: Materials International, 2019, 29, 184-189.	1.8	18
677	Graphene nanoflakes with optimized nitrogen doping fabricated by arc discharge as highly efficient absorbers toward microwave absorption. Carbon, 2019, 148, 204-213.	5.4	117
678	Enhanced mechanical and microwave absorption properties of SiCf/SiC composite using aluminum powder as active filler. Journal of Alloys and Compounds, 2019, 790, 58-69.	2.8	22
679	Electromagnetic interference shielding effectiveness and skin depth of poly(vinylidene) Tj ETQq0 0 0 rgBT /Over percolation threshold. Polymer International, 2019, 68, 1194-1203.	ock 10 Tf 1.6	50 347 Td (f 26
680	Significantly enhanced electromagnetic interference shielding in Al2O3 ceramic composites incorporated with highly aligned non-woven carbon fibers. Ceramics International, 2019, 45, 12672-12676.	2.3	17
681	A stealth emulsion based on natural rubber latex, core-shell ferrofluid/carbon black in the S and X bands. Nanotechnology, 2019, 30, 315703.	1.3	4
682	Confined polymerization strategy to construct polypyrrole/zeolitic imidazolate frameworks (PPy/ZIFs) nanocomposites for tunable electrical conductivity and excellent electromagnetic absorption. Composites Science and Technology, 2019, 174, 232-240.	3.8	84
683	Tunable electromagnetic wave-absorbing capability achieved in liquid-metal-based nanocomposite. Applied Physics Express, 2019, 12, 045005.	1.1	12
684	Microwave-constructed honeycomb architectures of h-BN/rGO nano-hybrids for efficient microwave conversion. Composites Science and Technology, 2019, 174, 184-193.	3.8	34
685	Highly Transparent and Broadband Electromagnetic Interference Shielding Based on Ultrathin Doped Ag and Conducting Oxides Hybrid Film Structures. ACS Applied Materials & Interfaces, 2019, 11, 11782-11791.	4.0	88
686	Effect of various seed metals on uniformity of Ag layer formed by atmospheric plasma reduction on polyethylene terephthalate substrate: An application to electromagnetic interference shielding effectiveness. Thin Solid Films, 2019, 676, 75-86.	0.8	11

#	Article	IF	CITATIONS
687	Interface Modulating CNTs@PANi Hybrids by Controlled Unzipping of the Walls of CNTs To Achieve Tunable High-Performance Microwave Absorption. ACS Applied Materials & Interfaces, 2019, 11, 12142-12153.	4.0	299
688	Oriented Polarization Tuning Broadband Absorption from Flexible Hierarchical ZnO Arrays Vertically Supported on Carbon Cloth. Small, 2019, 15, e1900900.	5.2	205
689	High-Temperature Oxidation-Resistant ZrN <sub>0.4</sub> B <sub>0.6</sub> /SiC Nanohybrid for Enhanced Microwave Absorption. ACS Applied Materials & Interfaces, 2019, 11, 15869-15880.	4.0	150
690	Structure-microwave absorption performance correlations of GNPs/ZnO nanocomposite absorber: Synthesis, characteration and mechanism investigation. Ceramics International, 2019, 45, 13376-13384.	2.3	23
691	Integrated design of component and configuration for a flexible and ultrabroadband radar absorbing composite. Composites Science and Technology, 2019, 176, 81-89.	3.8	46
692	Advances in polymer-anchored carbon nanotube foam: a review. Polymer-Plastics Technology and Materials, 2019, 58, 1965-1978.	0.6	14
693	Hierarchical core–shell Fe3O4@C@MoS2 composites synergistically enhance microwave absorption. Materials Letters, 2019, 246, 80-83.	1.3	35
694	Permittivity-Regulating Strategy Enabling Superior Electromagnetic Wave Absorption of Lithium Aluminum Silicate/rGO Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 18626-18636.	4.0	129
695	Flexible and flame-retarding thermoplastic polyurethane-based electromagnetic interference shielding composites. Chemical Engineering Journal, 2019, 370, 1341-1349.	6.6	75
696	Electromagnetic Response and Energy Conversion for Functions and Devices in Lowâ€Dimensional Materials. Advanced Functional Materials, 2019, 29, 1807398.	7.8	592
697	Physical properties of the organic polymeric blend (PVA/PAM) modified with MgO nanofillers. Journal of Composite Materials, 2019, 53, 2831-2847.	1.2	39
698	Nano sulfur particles decorated bi-lamella composites for superior electromagnetic wave absorption. Journal of Colloid and Interface Science, 2019, 543, 138-146.	5.0	14
699	Co/C Composite Derived from a Newly Constructed Metal–Organic Framework for Effective Microwave Absorption. Crystal Growth and Design, 2019, 19, 1518-1524.	1.4	73
700	Electronic Structure and Electromagnetic Properties for 2D Electromagnetic Functional Materials in Gigahertz Frequency. Annalen Der Physik, 2019, 531, 1800390.	0.9	173
701	Preparation and Characterization of MWCNT/Zn0.25Co0.75Fe2O4 Nanocomposite and Investigation of Its Microwave Absorption Properties at X-Band Frequency Using Silicone Rubber Polymeric Matrix. Journal of Electronic Materials, 2019, 48, 3086-3095.	1.0	33
702	Microwave absorption of magnesium/hydrogen-treated titanium dioxide nanoparticles. Nano Materials Science, 2019, 1, 48-59.	3.9	61
703	Improved microwave absorption properties of polycarbosilane-derived SiC core-shell particles by oxidation. Journal of Alloys and Compounds, 2019, 786, 409-417.	2.8	13
704	In-Situ Growth and Graphitization Synthesis of Porous Fe <sub>3</sub> O <sub>4</sub> /Carbon Fiber Composites Derived from Biomass as Lightweight Microwave Absorber. ACS Sustainable Chemistry and Engineering, 2019, 7, 5318-5328.	3.2	129

#	Article	IF	CITATIONS
705	Electromagnetic Interference Shielding Polymers and Nanocomposites - A Review. Polymer Reviews, 2019, 59, 280-337.	5.3	512
706	Impedimetric humidity and temperature sensing properties of the graphene–carbon nanotubes–silicone adhesive nanocomposite. Journal of Materials Science: Materials in Electronics, 2019, 30, 6419-6429.	1.1	15
707	Microstructure and electrical properties of silica-Zn2SiO4-Mn glass-ceramics as composite for optoelectronic devices. Results in Physics, 2019, 12, 2141-2145.	2.0	17
708	Experimental technique for high-frequency conductivity measurement. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2019, 38, 1711-1722.	0.5	0
709	Simulation of Shielding Effectiveness with Different Interference Sources. , 2019, , .		0
710	Study of structural and dielectric properties of La0.9Na0.1CrO <sub>3</sub> - and Ni0.5Cu0.5Fe <sub>2</sub> O <sub>4</sub> -based composites. Journal of Advanced Dielectrics, 2019, 09, 1950044.	1.5	11
711	Modelling Debye Dielectric Relaxation in Monohydroxy Alcohols. Chinese Physics Letters, 2019, 36, 097701.	1.3	2
712	Ultrathin MXene/aramid nanofiber composite paper with excellent mechanical properties for efficient electromagnetic interference shielding. Nanoscale, 2019, 11, 23382-23391.	2.8	203
713	Arc-discharge synthesis of nitrogen-doped C embedded TiCN nanocubes with tunable dielectric/magnetic properties for electromagnetic absorbing applications. Nanoscale, 2019, 11, 19994-20005.	2.8	42
714	Enhanced microwave absorption performance from abundant polarization sites of ZnO nanocrystals embedded in CNTs <i>via</i> confined space synthesis. Nanoscale, 2019, 11, 22539-22549.	2.8	41
715	Tunable High-Performance Microwave Absorption and Shielding by Three Constituent Phases Between rGO and Fe3O4@SiO2 Nanochains. Frontiers in Chemistry, 2019, 7, 711.	1.8	11
716	Durable Antibacterial Functionality of Cotton/Polyester Blended Fabrics Using Antibiotic/MONPs Composite. Fibers and Polymers, 2019, 20, 2297-2309.	1.1	28
717	Dual-functional SiOC ceramics coating modified carbon fibers with enhanced microwave absorption performance. RSC Advances, 2019, 9, 30685-30692.	1.7	33
718	Lightweight and flexible MXene/CNF/silver composite membranes with a brick-like structure and high-performance electromagnetic-interference shielding. RSC Advances, 2019, 9, 29636-29644.	1.7	78
719	Broadband microwave absorber constructed by reduced graphene oxide/La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> composites. RSC Advances, 2019, 9, 41817-41823.	1.7	13
720	Optical properties of transparent PMMA-PS/ZnO NPs polymeric nanocomposite films: UV-Shielding applications. Materials Research Express, 2019, 6, 126446.	0.8	30
721	Distribution of milled carbon fibers as a function of their length on S-glass fabric and its effect on the electromagnetic properties of S-glass epoxy composites. Journal of Composite Materials, 2019, 53, 2891-2899.	1.2	3
722	Controllable Coating of Polypyrrole on Silicon Carbide Nanowires as a Core–Shell Nanostructure: A Facile Method To Enhance Attenuation Characteristics against Electromagnetic Radiation. ACS Sustainable Chemistry and Engineering, 2019, 7, 2100-2106.	3.2	67

#	Article	IF	CITATIONS
723	Facile and green approach to the synthesis of zeolitic imidazolate framework nanosheet-derived 2D Co/C composites for a lightweight and highly efficient microwave absorber. Journal of Colloid and Interface Science, 2019, 540, 30-38.	5.0	167
724	Influence of NiCrAlY content on dielectric and microwave absorption properties of NiCrAlY/Al2O3 composite coatings. Journal of Alloys and Compounds, 2019, 777, 478-484.	2.8	25
725	Microwave dielectric properties of B and N co-doped SiC nanopowders prepared by combustion synthesis. Journal of Alloys and Compounds, 2019, 777, 1039-1043.	2.8	19
726	Flexible, Thin Composite Film to Enhance the Electromagnetic Compatibility of Biomedical Electronic Devices. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1033-1041.	1.4	17
727	Achieving enhanced dielectric property via growing Co-Ni-P nano-alloys on SiC nanowires with 3D conductive network. Journal of Alloys and Compounds, 2019, 778, 933-941.	2.8	14
728	Lightweight and Efficient Microwave-Absorbing Materials Based on Loofah-Sponge-Derived Hierarchically Porous Carbons. ACS Sustainable Chemistry and Engineering, 2019, 7, 1228-1238.	3.2	111
729	Effect of fibre directionality on the microwave absorption properties of 3D braided SiCf/SiC composites. Ceramics International, 2019, 45, 7797-7803.	2.3	21
730	Design and electromagnetic wave absorption properties of reduced graphene oxide/multi-walled carbon nanotubes/nickel ferrite ternary nanocomposites. Journal of Alloys and Compounds, 2019, 784, 887-896.	2.8	62
731	Metallic origami metastructures for high-temperature low electromagnetic reflectivity. Journal of Materials Science, 2019, 54, 6425-6433.	1.7	4
732	Synergistic effect of hexagonal flake Co3O4@PANI core–shell composites with excellent microwave-absorbing properties. Journal of Materials Science: Materials in Electronics, 2019, 30, 3386-3395.	1.1	25
733	Realizing significant dielectric dispersion of composites based on highly conducting silver-coated glass microspheres for wide-band non-magnetic microwave absorbers. Journal of Materials Chemistry C, 2019, 7, 528-542.	2.7	14
734	Dielectric and microwave reflection properties of M-phase LNT (Li-Nb-Ti-O) solid solutions in X-band frequency range. Journal of Alloys and Compounds, 2019, 784, 668-675.	2.8	10
735	Fabrication of nickel ferrite microspheres decorated multi-walled carbon nanotubes hybrid composites with enhanced electromagnetic wave absorption properties. Journal of Alloys and Compounds, 2019, 784, 422-430.	2.8	91
736	Fe3O4/Fe/C composites prepared by a facile thermal decomposition method and their application as microwave absorbers. Journal of Alloys and Compounds, 2019, 784, 1123-1129.	2.8	30
737	Temperature dependent dielectric and electric properties of zinc silicate nanorods. Nano Structures Nano Objects, 2019, 17, 123-128.	1.9	16
738	Comparison in dielectric and microwave absorption properties of SiC coated carbon fibers with PyC and BN interphases. Surface and Coatings Technology, 2019, 359, 272-277.	2.2	41
739	An ultralight nitrogen-doped carbon aerogel anchored by Ni-NiO nanoparticles for enhanced microwave adsorption performance. Journal of Alloys and Compounds, 2019, 776, 43-51.	2.8	54
740	Bead nano-necklace spheres on 3D carbon nanotube scaffolds for high-performance electromagnetic-interference shielding. Chemical Engineering Journal, 2019, 360, 1241-1246.	6.6	34

#	Article	IF	CITATIONS
741	Reduced graphene oxide wrapped cube-like ZnSnO3: As a high-performance microwave absorber. Journal of Alloys and Compounds, 2019, 777, 544-553.	2.8	74
742	Effect of γ-radiation on structural, morphological, magnetic and dielectric properties of Zn–Cr substituted nickel ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 56-68.	1.1	12
743	Processing influence on dielectric, mechanical, and electrical properties of reduced graphene oxide–TPU nanocomposites. Journal of Applied Polymer Science, 2019, 136, 47220.	1.3	13
744	Polyurethane nanoweb-based textile sensors treated with single-walled carbon nanotubes and silver nanowire. Textile Reseach Journal, 2019, 89, 2938-2951.	1.1	13
745	Optimized microstructure and impedance matching for improving the absorbing properties of core-shell C@Fe3C/Fe nanocomposites. Journal of Alloys and Compounds, 2019, 780, 552-557.	2.8	41
746	A green fabrication and variable temperature electromagnetic properties for thermal stable microwave absorption towards flower-like Co3O4@rGO/SiO2 composites. Composites Part B: Engineering, 2019, 166, 187-195.	5.9	158
747	Nanosilica decorated multiwalled carbon nanotubes (CS hybrids) in natural rubber latex. Polymer, 2019, 161, 170-180.	1.8	26
748	Effect of heat treatment conditions on properties of carbon-fiber-based electromagnetic-wave-absorbing composites. Ceramics International, 2019, 45, 5093-5099.	2.3	32
749	Enhanced electromagnetic wave absorption of nanoporous Fe3O4 @Âcarbon composites derived from metal-organic frameworks. Carbon, 2019, 142, 20-31.	5.4	352
750	Enhanced highâ€ŧemperature dielectric and microwave absorption properties of SiC fiberâ€ŧeinforced oxide matrix composites. Journal of Applied Polymer Science, 2019, 136, 47097.	1.3	12
751	Multifunctional polylactic acid composites filled with activated carbon particles obtained from acrylic fibrous wastes. Polymer Composites, 2019, 40, 578-590.	2.3	7
752	Mechanical, thermal, conductivity, and electrochemical behavior of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /C of Thermoplastic Composite Materials, 2020, 33, 628-645.	)verlock 1 2.6	0 Tf 50 307 11
753	Electromagnetic interference shielding of stitched carbon fiber composites. Journal of Industrial Textiles, 2020, 49, 773-790.	1.1	14
754	Crystal phase control synthesis of metallic 1T-WS2 nanosheets incorporating single walled carbon nanotubes to construct superior microwave absorber. Journal of Alloys and Compounds, 2020, 815, 152335.	2.8	21
755	Wire-in-tube ZnO@carbon by molecular layer deposition: Accurately tunable electromagnetic parameters and remarkable microwave absorption. Chemical Engineering Journal, 2020, 382, 122860.	6.6	113
756	Ultrasound-assisted synthesis of 3D flower-like zinc oxide decorated fMWCNTs for sensitive detection of toxic environmental pollutant 4-nitrophenol. Ultrasonics Sonochemistry, 2020, 60, 104798.	3.8	41
757	Magnetic Ni/graphene connected with conductive carbon nano-onions or nanotubes by atomic layer deposition for lightweight and low-frequency microwave absorption. Chemical Engineering Journal, 2020, 382, 122980.	6.6	181
758	Tailoring of complex permittivity, permeability, and microwave-absorbing properties of CoFe2O4/NG/PMMA nanocomposites through swift heavy ions irradiation. Ceramics International, 2020, 46, 317-324.	2.3	12

#	Article	IF	CITATIONS
759	Influence of different BFO filler content on microwave absorption performances in BiFeO3/epoxy resin composites. Ceramics International, 2020, 46, 737-746.	2.3	45
760	â€~Trigger-free' self-healable electromagnetic shielding material assisted by co-doped graphene nanostructures. Chemical Engineering Journal, 2020, 382, 122816.	6.6	34
761	Heterostructured CoFe@C@MnO2 nanocubes for efficient microwave absorption. Chemical Engineering Journal, 2020, 382, 123039.	6.6	94
762	Internal three-dimensional strain evolution of the failure process for short carbon fiber composite through in situ synchrotron radiation X-ray computed tomography. Carbon, 2020, 157, 506-514.	5.4	19
763	Magnetic CoFe alloy@C nanocomposites derived from ZnCo-MOF for electromagnetic wave absorption. Chemical Engineering Journal, 2020, 383, 123096.	6.6	173
764	Recent advances in the development OF Fe3O4-BASED microwave absorbing materials. Ceramics International, 2020, 46, 1249-1268.	2.3	101
765	Highly flexible and ultra-thin carbon-fabric/Ag/waterborne polyurethane film for ultra-efficient EMI shielding. Materials and Design, 2020, 185, 108227.	3.3	64
766	Growing dendritic SiC on 1D SiC nanowire: Enhancement of electromagnetic wave absorption performance. Journal of Physics and Chemistry of Solids, 2020, 136, 109124.	1.9	14
767	Multifunctional microcellular PVDF/Ni-chains composite foams with enhanced electromagnetic interference shielding and superior thermal insulation performance. Chemical Engineering Journal, 2020, 379, 122304.	6.6	201
768	Synthesis of yolk-shell structured carbonyl iron@void@nitrogen doped carbon for enhanced microwave absorption performance. Journal of Alloys and Compounds, 2020, 812, 152083.	2.8	88
769	Waste to wealth: Lightweight, mechanically strong and conductive carbon aerogels from waste tissue paper for electromagnetic shielding and CO2 adsorption. Chemical Engineering Journal, 2020, 381, 122628.	6.6	77
770	Micro-nanospheres assembled with helically coiled nitrogen-doped carbon nanotubes: Fabrication and microwave absorption properties. Materials and Design, 2020, 186, 108290.	3.3	27
771	Plasma-induced FeSiAl@Al2O3@SiO2 core–shell structure for exceptional microwave absorption and anti-oxidation at high temperature. Chemical Engineering Journal, 2020, 384, 123371.	6.6	161
772	Facile design of cubic-like cerium oxide nanoparticles decorated reduced graphene oxide with enhanced microwave absorption properties. Journal of Alloys and Compounds, 2020, 817, 152766.	2.8	39
773	Three-dimensional macroassembly of hybrid C@CoFe nanoparticles/reduced graphene oxide nanosheets towards multifunctional foam. Carbon, 2020, 157, 427-436.	5.4	64
774	Facile synthesis of nitrogen-doped reduced graphene oxide/nickel-zinc ferrite composites as high-performance microwave absorbers in the X-band. Chemical Engineering Journal, 2020, 384, 123266.	6.6	226
775	Improve the dielectric property and breakdown strength of composites by cladding a polymer/BaTiO3 composite layer around carbon nanotubes. Polymer, 2020, 188, 122157.	1.8	27
776	Controlled reduction of graphene oxide laminate and its applications for ultra-wideband microwave absorption. Carbon, 2020, 160, 307-316.	5.4	40

#	Article	IF	CITATIONS
777	Self-heating 3D printed continuous carbon fiber/epoxy mesh and its application in wind turbine deicing. Polymer Testing, 2020, 82, 106309.	2.3	36
778	Facile Design of Three-Dimensional Nitrogen-Doped Reduced Graphene Oxide/Multi-Walled Carbon Nanotube Composite Foams as Lightweight and Highly Efficient Microwave Absorbers. ACS Applied Materials & Interfaces, 2020, 12, 4689-4698.	4.0	220
779	Fabrication of lightweight and flexible silicon rubber foams with ultra-efficient electromagnetic interference shielding and adjustable low reflectivity. Journal of Materials Chemistry C, 2020, 8, 147-157.	2.7	60
780	Electromagnetic loss mechanisms in antimony doped tin oxide and reduced graphene oxide multilayer films. Ceramics International, 2020, 46, 9011-9015.	2.3	3
781	Facile fabrication hierarchical urchin-like C/NiCo2O4/ZnO composites as excellent microwave absorbers. Journal of Alloys and Compounds, 2020, 821, 153491.	2.8	48
782	Lightweight and Flexible Cotton Aerogel Composites for Electromagnetic Absorption and Shielding Applications. Advanced Electronic Materials, 2020, 6, 1900796.	2.6	117
783	3D conductive network wrapped CeO2-x Yolk@Shell hybrid microspheres for selective-frequency microwave absorption. Carbon, 2020, 162, 86-94.	5.4	49
784	Fabrication of C-doped SiC nanocomposites with tailoring dielectric properties for the enhanced electromagnetic wave absorption. Carbon, 2020, 157, 788-795.	5.4	45
785	Dualâ€direction high thermal conductivity polymer composites with outstanding electrical insulation and electromagnetic shielding performance. Polymer Composites, 2020, 41, 1673-1682.	2.3	14
786	The effect of temperature and graphene concentration on the electrical conductivity and dielectric permittivity of graphene–polymer nanocomposites. Acta Mechanica, 2020, 231, 1305-1320.	1.1	29
787	Lightweight and flexible 3D graphene microtubes membrane for high-efficiency electromagnetic-interference shielding. Chemical Engineering Journal, 2020, 387, 124025.	6.6	76
788	Highly coercive strontium hexaferrite nanodisks for microwave absorption and other industrial applications. Composites Part B: Engineering, 2020, 183, 107667.	5.9	34
789	N-doped reduced graphene oxide aerogels containing pod-like N-doped carbon nanotubes and FeNi nanoparticles for electromagnetic wave absorption. Carbon, 2020, 159, 357-365.	5.4	185
790	3D graphene/ carbon nanotubes/ polydimethylsiloxane composites as high-performance electromagnetic shielding material in X-band. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105712.	3.8	63
791	Improving the electromagnetic shielding of fabricated NdFeB particles by a coating thin carbonaceous layer. Chemical Physics Letters, 2020, 739, 137015.	1.2	3
792	In situ dynamics response mechanism of the tunable length-diameter ratio nanochains for excellent microwave absorber. Nano Research, 2020, 13, 72-78.	5.8	36
793	Three-dimensional graphene supported Fe3O4 coated by polypyrrole toward enhanced stability and microwave absorbing properties. Journal of Materials Research and Technology, 2020, 9, 762-772.	2.6	61
794	Fabrication of continuous carbon fiber mesh for lightning protection of large-scale wind-turbine blade by electron beam cured printing. Additive Manufacturing, 2020, 31, 100967.	1.7	12

#	Article	IF	CITATIONS
795	The fate and role of in situ formed carbon in polymer-derived ceramics. Progress in Materials Science, 2020, 109, 100623.	16.0	238
796	Oxygen vacancies regulated microwave absorption properties of reduced graphene oxide/multi-walled carbon nanotubes/cerium oxide ternary nanocomposite. Journal of Alloys and Compounds, 2020, 819, 152944.	2.8	49
797	Mulberry-like polyaniline-based flexible composite fabrics with effective electromagnetic shielding capability. Composites Science and Technology, 2020, 188, 107991.	3.8	73
798	Electromagnetic wave absorbing performance of 3D printed wave-shape copper solid cementitious element. Cement and Concrete Composites, 2020, 114, 103789.	4.6	37
799	Graphene-containing flexible polyurethane porous composites with improved electromagnetic shielding and flame retardancy. Composites Science and Technology, 2020, 200, 108457.	3.8	59
800	MOF Induces 2D GO to Assemble into 3D Accordionâ€Like Composites for Tunable and Optimized Microwave Absorption Performance. Small, 2020, 16, e2003905.	5.2	85
801	Tailoring microwave electromagnetic responses in Ti3C2Tx MXene with CoNi-alloy nanoparticles decoration via mildd hydrothermal method. Results in Physics, 2020, 19, 103516.	2.0	26
802	Superior Microwave Absorption Properties Derived from the Unique 3D Porous Heterogeneous Structure of a CoS@Fe3O4@rGO Aerogel. Materials, 2020, 13, 4527.	1.3	8
803	Orthogonally structured graphene nanointerface for lightweight SiC nanowire-based nanocomposites with enhanced mechanical and electromagnetic-interference shielding properties. Composites Part B: Engineering, 2020, 202, 108381.	5.9	16
804	Excellent electromagnetic wave absorption of MOF/SiBCN nanomaterials at high temperature. Chinese Journal of Aeronautics, 2021, 34, 277-291.	2.8	15
805	Improved mechanical and high-temperature electromagnetic wave absorption properties of SiC <sub>f</sub> /BN/AlPO <sub>4</sub> composites with absorber multiwalled carbon nanotubes. Composite Interfaces, 0, , 1-18.	1.3	10
806	Nanostructured cigarette wrapper encapsulated <scp>PDMSâ€RGO</scp> sandwiched composite for high performance <scp>EMI</scp> shielding applications. Polymer Engineering and Science, 2020, 60, 3056-3071.	1.5	15
807	Porous carbon materials for microwave absorption. Materials Advances, 2020, 1, 2631-2645.	2.6	60
808	Dielectric Responses in Multilayer C <sub>f</sub> /Si <sub>3</sub> N <sub>4</sub> as High-Temperature Microwave-Absorbing Materials. , 0, , .		0
809	Solvent-Free Synthesis of Ultrafine Tungsten Carbide Nanoparticles-Decorated Carbon Nanosheets for Microwave Absorption. Nano-Micro Letters, 2020, 12, 153.	14.4	93
810	MOF-Derived Ni1â^'xCox@Carbon with Tunable Nano–Microstructure as Lightweight and Highly Efficient Electromagnetic Wave Absorber. Nano-Micro Letters, 2020, 12, 150.	14.4	222
811	Cations' ordering, magnetic properties and strongly enhanced microwave absorption properties of La2NiMn1-Ru O6. Ceramics International, 2020, 46, 13907-13914.	2.3	5
812	Layer-by-layer assembly of low-temperature in-situ polymerized pyrrole coated nanofiber membrane for high-efficiency electromagnetic interference shielding. Progress in Organic Coatings, 2020, 147, 105861.	1.9	20

#	Article	IF	CITATIONS
813	Electromagnetic microwave absorption theory and recent achievements in microwave absorbers. Carbon, 2020, 168, 606-623.	5.4	490
814	Assembling Nano–Microarchitecture for Electromagnetic Absorbers and Smart Devices. Advanced Materials, 2020, 32, e2002112.	11.1	259
815	A kind of tunable Co/C microwave absorber derived from Co-ZIF-9 for lightweight and efficient microwave absorber. Composites Part C: Open Access, 2020, 2, 100039.	1.5	1
816	Intercalation: Constructing Nanolaminated Reduced Graphene Oxide/Silica Ceramics for Lightweight and Mechanically Reliable Electromagnetic Interference Shielding Applications. ACS Applied Materials & Interfaces, 2020, 12, 55148-55156.	4.0	25
817	Sustainable wood-based composites for microwave absorption and electromagnetic interference shielding. Journal of Materials Chemistry A, 2020, 8, 24267-24283.	5.2	145
818	Complex impedance spectra of polymerâ€derived SiC annealed at ultrahigh temperature. Journal of the American Ceramic Society, 2020, 103, 6860-6868.	1.9	9
819	Dielectric response and electromagnetic wave absorption of novel macroporous short carbon fibers/mullite composites. Journal of the American Ceramic Society, 2020, 103, 6869-6880.	1.9	37
820	Electrical conductivity and electromagnetic interference shielding effectiveness of nanoâ€structured carbon assisted poly(methyl methacrylate) nanocomposites. Polymer Engineering and Science, 2020, 60, 2414-2427.	1.5	22
821	A cauliflower-shaped nickel @ porous calcium silicate core-shell composite: Preparation and enhanced electromagnetic shielding performance. Composites Science and Technology, 2020, 199, 108343.	3.8	32
822	Highâ€ŧemperature electromagnetic wave absorption properties of C <sub>f</sub> /SiCNFs/Si <sub>3</sub> N <sub>4</sub> composites. Journal of the American Ceramic Society, 2020, 103, 6822-6832.	1.9	66
823	Core-rim structured carbide MXene/SiO2 nanoplates as an ultrathin microwave absorber. Carbon, 2020, 169, 214-224.	5.4	57
824	Self-healable ZnO@ multiwalled carbon nanotubes (MWCNTs) /DA-PDMS nanocomposite via Diels-Alder chemistry as microwave absorber: A novel multifunctional material. Carbon, 2020, 169, 235-247.	5.4	33
825	The conductivity, dielectric and electromagnetic attenuation properties of MgZr4P6O24 ceramics at elevated temperature. Journal of the European Ceramic Society, 2020, 40, 5511-5517.	2.8	16
826	Effects of orientation methods on electromagnetic parameters and microwave absorption characteristics of flaky carbonyl iron@SiO2 particles. Journal of Magnetism and Magnetic Materials, 2020, 513, 167191.	1.0	17
827	Complex Permittivity and Electromagnetic Interference Shielding Effectiveness of OPEFB Fiber-Polylactic Acid Filled with Reduced Graphene Oxide. Materials, 2020, 13, 4602.	1.3	7
828	Dielectric and Electromagnetic Attenuated Properties of WC/Wax Composite. Frontiers in Materials, 2020, 7, .	1.2	2
829	Novel three-dimensional TiO2-Fe3O4@polypyrrole composites with tunable microwave absorption in the 2–40ÂGHz frequency range. Journal of Materials Science, 2020, 55, 15493-15509.	1.7	15
830	Enhanced microwave shielding effectiveness and suppressed reflection of chopped carbon fiber felt by electrostatic flocking of carbon fiber. Composites Part A: Applied Science and Manufacturing, 2020, 139, 106099.	3.8	28

	Cr	tation Report	
#	Article	IF	CITATIONS
831	Embedding two-dimensional graphene array in ceramic matrix. Science Advances, 2020, 6, .	4.7	67
832	Enhancement of Electromagnetic Wave Shielding Effectiveness of Carbon Fibers via Chemical Composition Transformation Using H2 Plasma Treatment. Nanomaterials, 2020, 10, 1611.	1.9	3
833	Multifunctional Graphene Composites for Electromagnetic Shielding and Thermal Management at Elevated Temperatures. Advanced Electronic Materials, 2020, 6, 2000520.	2.6	78
834	Spectroscopic Analysis of Products from Low-Rank Coal Microwave Pyrolysis: Effect of Reaction Atmosphere. Journal of Applied Spectroscopy, 2020, 87, 745-752.	0.3	0
835	Heterostructure Composites of CoS Nanoparticles Decorated on Ti3C2Tx Nanosheets and Their Enhanced Electromagnetic Wave Absorption Performance. Nanomaterials, 2020, 10, 1666.	1.9	19
836	Rutile TiO <sub>2</sub> Nanoparticles Encapsulated in a Zeolitic Imidazolate Framework-Derived Hierarchical Carbon Framework with Engineered Dielectricity as an Excellent Microwave Absorber. ACS Applied Materials & Interfaces, 2020, 12, 48140-48149.	4.0	22
837	Long Carbon Fibers for Microwave Absorption: Effect of Fiber Length on Absorption Frequency Band. Micromachines, 2020, 11, 1081.	1.4	9
838	The enhanced microwave broadband absorbing ability of carbon microspheres via electromagnetic simulating honeycomb design. Journal of Materials Science: Materials in Electronics, 2021, 32, 25809-25819.	1.1	8
839	Review on electromagnetic wave absorbing capacity improvement of cementitious material. Construction and Building Materials, 2020, 262, 120907.	3.2	44
840	Interfacial metallization in segregated poly (lactic acid)/poly (Îμ-caprolactone)/multi-walled carbon nanotubes composites for enhancing electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2020, 139, 106116.	3.8	57
841	Fabrication of phthalonitrile-based copper-clad laminates and their application properties: Thermo-stability and dielectric properties. Advanced Industrial and Engineering Polymer Research, 2020, 3, 194-201.	2.7	6
842	CoxSy/C@MoS2 nanofibers: synthesis, characterization and microwave absorption investigation. Journal of Materials Science: Materials in Electronics, 2021, 32, 25782-25794.	1.1	5
843	Paper-based composites as a dual-functional material for ultralight broadband radar absorbing honeycombs. Composites Part B: Engineering, 2020, 202, 108378.	5.9	49
844	Studies on anomalous dispersion behavior of PANI–CNT composites for enhanced shielding effectiveness in various microwave bands. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	13
845	Raman and XPS depth profiling technique to investigate the corrosion behavior of FeSiAl alloy in salt spray environment. Journal of Alloys and Compounds, 2020, 834, 155075.	2.8	33
846	Design of morphology-controlled and excellent electromagnetic wave absorption performance of sheet-shaped ZnCo2O4 with a special arrangement. Journal of Alloys and Compounds, 2020, 834, 15	5092. <sup>2.8</sup>	82
847	Metal-Level Robust, Folding Endurance, and Highly Temperature-Stable MXene-Based Film with Engineered Aramid Nanofiber for Extreme-Condition Electromagnetic Interference Shielding Applications. ACS Applied Materials & Interfaces, 2020, 12, 26485-26495.	4.0	113
848	Ultrawide bandwidth and large-angle electromagnetic wave absorption based on triple-nested helix metamaterial absorbers. Journal of Applied Physics, 2020, 127, .	1.1	22

#	Article	IF	CITATIONS
849	A lightweight CNWs-SiO2/3Al2O3·2SiO2 porous ceramic with excellent microwave absorption and thermal insulation properties. Ceramics International, 2020, 46, 20395-20403.	2.3	16
850	Large cyclic deformability of microcellular TPU/MWCNT composite film with conductive stability, and electromagnetic interference shielding and self-cleaning performance. Composites Science and Technology, 2020, 197, 108247.	3.8	26
851	Multifunctional Bulk Hybrid Foam for Infrared Stealth, Thermal Insulation, and Microwave Absorption. ACS Applied Materials & amp; Interfaces, 2020, 12, 28727-28737.	4.0	209
852	Highly flexible, light-weight and mechanically enhanced (Mo2C/PyC)f fabrics for efficient electromagnetic interference shielding. Composites Part A: Applied Science and Manufacturing, 2020, 136, 105955.	3.8	12
853	Effect of Misch-metal content on microwave absorption property of Ce2Co17 alloy. Journal of Materials Science: Materials in Electronics, 2020, 31, 11204-11210.	1.1	9
854	Strong and Flexible Carbon Fiber Fabric Reinforced Thermoplastic Polyurethane Composites for Highâ€Performance EMI Shielding Applications. Macromolecular Materials and Engineering, 2020, 305, 1900829.	1.7	32
855	Hierarchical nest-like structure of Co/Fe MOF derived CoFe@C composite as wide-bandwidth microwave absorber. Composites Part A: Applied Science and Manufacturing, 2020, 135, 105958.	3.8	137
856	Facile preparation of carbon nanosheet frameworks/magnetic nanohybrids with heterogeneous interface as an excellent microwave absorber. Journal of Alloys and Compounds, 2020, 838, 155586.	2.8	14
857	Microwave-assisted catalytic methane reforming: A review. Applied Catalysis A: General, 2020, 599, 117620.	2.2	51
858	Production of hierarchical porous carbon nanosheets from cheap petroleum asphalt toward lightweight and high-performance electromagnetic wave absorbents. Carbon, 2020, 166, 218-226.	5.4	63
859	Regulation of dielectric loss by different exposed crystal facets in graphite-coated titanium carbide nanocomposites. Ceramics International, 2020, 46, 18339-18346.	2.3	19
860	Controllable synthesis and microwave absorption properties of Fe3O4@f-GNPs nanocomposites. Composites Communications, 2020, 20, 100363.	3.3	28
861	Enhanced microwave absorption from the magnetic-dielectric interface: A hybrid rGO@Ni-doped-MoS2. Materials Research Bulletin, 2020, 130, 110943.	2.7	40
862	Inverse-opal-based carbon composite monoliths for microwave absorption applications. Carbon, 2020, 166, 328-338.	5.4	31
863	A facile fabrication and high-performance electromagnetic microwave absorption of ZnO nanoparticles. Journal of Alloys and Compounds, 2020, 842, 155638.	2.8	50
864	Fabrication of the SrFe11MnO19 / CoFe1.9Bi0.1O4 ferrite nanocomposite and investigation the properties of its microwave absorption in X-band. Physica B: Condensed Matter, 2020, 594, 412290.	1.3	3
865	Largeâ€scale synthesis of hollow carbon fibers with ultraâ€large diameter by thermally controlled pyrolysis. Journal of the American Ceramic Society, 2020, 103, 5629-5637.	1.9	5
866	Bioinspired Micro Glue Threads Fabricated by Liquid Bridge-to-Solidification as an Effective Sensing Platform. ACS Sensors, 2020, 5, 1977-1986.	4.0	5

#	Article	IF	CITATIONS
867	Fabrication of ferroferric oxide–carbon/reduced graphene oxide nanocomposites derived from Fe-based metal–organic frameworks for microwave absorption. Composites Science and Technology, 2020, 196, 108240.	3.8	107
868	Introduction of Na⺠in Reduced Graphene Oxide Prepared From Coconut Shells and Its Magnetic Properties. IEEE Transactions on Magnetics, 2020, 56, 1-6.	1.2	11
869	Efficient Electromagnetic Wave Absorption of Porous CoO–Co@RGO Composites with Optimized Impedance Matching Derived from Metal-Organic Frameworks. Nano, 2020, 15, 2050104.	0.5	6
870	A novel optical model of the experimental transmission spectra of nanocomposite PVC-PS hybrid thin films doped with silica nanoparticles. Heliyon, 2020, 6, e04177.	1.4	32
871	Single-layer copper particles integrated with a carbon nanotube film for flexible electromagnetic interference shielding. Journal of Materials Chemistry C, 2020, 8, 9945-9953.	2.7	18
872	Metal–organic framework-derived C/Co/Co3O4 nanocomposites with excellent microwave absorption properties in low frequencies. Journal of Materials Science: Materials in Electronics, 2020, 31, 11700-11713.	1.1	18
873	Rational construction of hierarchical accordion-like Ni@porous carbon nanocomposites derived from metal-organic frameworks with enhanced microwave absorption. Carbon, 2020, 167, 364-377.	5.4	166
874	Graphene and MXene Nanomaterials: Toward Highâ€Performance Electromagnetic Wave Absorption in Gigahertz Band Range. Advanced Functional Materials, 2020, 30, 2000475.	7.8	356
875	Biodegradable polymeric materials for EMI shielding. , 2020, , 165-178.		4
876	Carbon fiber-reinforced composites for EMI shielding. , 2020, , 213-225.		1
876 877	Carbon fiber-reinforced composites for EMI shielding. , 2020, , 213-225. Precursor infiltration and pyrolysis cycle-dependent mechanical and microwave absorption performances of continuous carbon fibers-reinforced boron-containing phenolic resins for low-density carbon-carbon composites. Ceramics International, 2020, 46, 15167-15175.	2.3	1 14
	Precursor infiltration and pyrolysis cycle-dependent mechanical and microwave absorption performances of continuous carbon fibers-reinforced boron-containing phenolic resins for	2.3 3.3	
877	Precursor infiltration and pyrolysis cycle-dependent mechanical and microwave absorption performances of continuous carbon fibers-reinforced boron-containing phenolic resins for low-density carbon-carbon composites. Ceramics International, 2020, 46, 15167-15175. Enhanced microwave absorption performance of sulfur-doped hollow carbon microspheres with		14
877 878	Precursor infiltration and pyrolysis cycle-dependent mechanical and microwave absorption performances of continuous carbon fibers-reinforced boron-containing phenolic resins for low-density carbon-carbon composites. Ceramics International, 2020, 46, 15167-15175. Enhanced microwave absorption performance of sulfur-doped hollow carbon microspheres with mesoporous shell as a broadband absorber. Composites Communications, 2020, 19, 42-50. Structural, morphological and magnetic characterization of synthesized Co-Ce doped Ni ferrite /Graphene /BNO12 nanocomposites for practical applications. Chinese Journal of Physics, 2020, 65,	3.3	14 125
877 878 879	Precursor infiltration and pyrolysis cycle-dependent mechanical and microwave absorption performances of continuous carbon fibers-reinforced boron-containing phenolic resins for low-density carbon-carbon composites. Ceramics International, 2020, 46, 15167-15175. Enhanced microwave absorption performance of sulfur-doped hollow carbon microspheres with mesoporous shell as a broadband absorber. Composites Communications, 2020, 19, 42-50. Structural, morphological and magnetic characterization of synthesized Co-Ce doped Ni ferrite /Graphene /BNO12 nanocomposites for practical applications. Chinese Journal of Physics, 2020, 65, 82-92. Dielectric Properties and Electromagnetic Wave Absorbing Performance of Single-Source-Precursor Synthesized Mo4.85i3C0.6/SiC/Cfree Nanocomposites with an In Situ Formed Nowotny Phase. ACS	3.3 2.0	14 125 8
877 878 879 880	<ul> <li>Precursor infiltration and pyrolysis cycle-dependent mechanical and microwave absorption performances of continuous carbon fibers-reinforced boron-containing phenolic resins for low-density carbon-carbon composites. Ceramics International, 2020, 46, 15167-15175.</li> <li>Enhanced microwave absorption performance of sulfur-doped hollow carbon microspheres with mesoporous shell as a broadband absorber. Composites Communications, 2020, 19, 42-50.</li> <li>Structural, morphological and magnetic characterization of synthesized Co-Ce doped Ni ferrite /Graphene /BNO12 nanocomposites for practical applications. Chinese Journal of Physics, 2020, 65, 82-92.</li> <li>Dielectric Properties and Electromagnetic Wave Absorbing Performance of Single-Source-Precursor Synthesized Mo4.8Si3C0.6/SiC/Cfree Nanocomposites with an In Situ Formed Nowotny Phase. ACS Applied Materials &amp; amp; Interfaces, 2020, 12, 16912-16921.</li> <li>Hollow Polypyrrole Nanofiber-Based Self-Assembled Aerogel: Large-Scale Fabrication and Outstanding Performance in Electromagnetic Pollution Management. Industrial &amp; amp; Engineering Chemistry</li> </ul>	3.3 2.0 4.0	14 125 8 14
877 878 879 880 881	<ul> <li>Precursor infiltration and pyrolysis cycle-dependent mechanical and microwave absorption performances of continuous carbon fibers-reinforced boron-containing phenolic resins for low-density carbon-carbon composites. Ceramics International, 2020, 46, 15167-15175.</li> <li>Enhanced microwave absorption performance of sulfur-doped hollow carbon microspheres with mesoporous shell as a broadband absorber. Composites Communications, 2020, 19, 42-50.</li> <li>Structural, morphological and magnetic characterization of synthesized Co-Ce doped Ni ferrite /Graphene /BNO12 nanocomposites for practical applications. Chinese Journal of Physics, 2020, 65, 82-92.</li> <li>Dielectric Properties and Electromagnetic Wave Absorbing Performance of Single-Source-Precursor Synthesized Mo4.85i3CO.6/SiC/Cfree Nanocomposites with an In Situ Formed Nowotny Phase. ACS Applied Materials &amp; amp; Interfaces, 2020, 12, 16912-16921.</li> <li>Hollow Polypyrrole Nanofiber-Based Self-Assembled Aerogel: Large-Scale Fabrication and Outstanding Performance in Electromagnetic Pollution Management. Industrial &amp; amp; Engineering Chemistry Research, 2020, 59, 7604-7610.</li> <li>Magnetized MXene Microspheres with Multiscale Magnetic Coupling and Enhanced Polarized Interfaces for Distinct Microwave Absorption via a Spray-Drying Method. ACS Applied Materials &amp; amp;</li> </ul>	3.3 2.0 4.0 1.8	14 125 8 14 10

#	Article	IF	CITATIONS
885	Enhanced electromagnetic wave absorption properties of a novel SiC nanowires reinforced SiO2/3Al2O3·2SiO2 porous ceramic. Ceramics International, 2020, 46, 22474-22481.	2.3	20
886	Rational construction of Co@C polyhedrons covalently-grafted on magnetic graphene as a superior microwave absorber. Journal of Alloys and Compounds, 2020, 843, 156031.	2.8	28
887	Microwave Absorption Performance of SiC/ZrC/SiZrOC Hybrid Nanofibers with Enhanced High-Temperature Oxidation Resistance. ACS Sustainable Chemistry and Engineering, 2020, 8, 10490-10501.	3.2	33
888	Electromagnetic wave absorbing performances with Fe2O3 nanotubes/reduced graphene oxide composite sponge. Journal of Materials Science: Materials in Electronics, 2020, 31, 11366-11378.	1.1	6
889	Simultaneous enhancement of recoverable energy density and efficiency of lead-free relaxor-ferroelectric BNT-based ceramics. Chemical Engineering Journal, 2020, 402, 125951.	6.6	126
890	Characteristics of crystal structure and microwave absorption of silica particles as the effect of sintering temperature. AIP Conference Proceedings, 2020, , .	0.3	1
891	Excellent lubrication properties of 3D printed ceramic bionic structures. Ceramics International, 2020, 46, 23463-23470.	2.3	12
892	Enhancing the microwave dielectric performance of SrSm2Al2O7 ceramic by Sr2+ nonstoichiometry and sintering aid addition. Journal of the European Ceramic Society, 2020, 40, 5494-5497.	2.8	7
893	High thermal stability of RF dielectric properties of BiVO4 matrix with added ZnO. Journal of Materials Science: Materials in Electronics, 2020, 31, 13078-13087.	1.1	2
894	Structural, dielectric, reflection and optical characteristics of the rare-earth (Yb, Er, Dy and Eu) substituted M-phase Li1+x-yNb1-x-3yTix+4yO3 solid solutions. Journal of Alloys and Compounds, 2020, 825, 153979.	2.8	1
895	Bifunctional carbon-encapsulated FeSiAl hybrid flakes for enhanced microwave absorption properties and analysis of corrosion resistance. Journal of Alloys and Compounds, 2020, 828, 154079.	2.8	53
896	Preparation and microwave absorption properties of the hollow ZnFe2O4@C composites with core-shell structure. Journal of Magnetism and Magnetic Materials, 2020, 502, 166543.	1.0	38
897	Carbon Fibers Loaded Composites for Microwave Absorbing Application: Effect of Fiber Length and Dispersion Process on Dielectric Properties. Journal of Electronic Materials, 2020, 49, 2999-3008.	1.0	13
898	Electromagnetic property of polymer derived SiC–C solid solution formed at ultra-high temperature. Carbon, 2020, 162, 74-85.	5.4	23
899	Ultralight, flexible carbon hybrid aerogels from bacterial cellulose for strong microwave absorption. Carbon, 2020, 162, 283-291.	5.4	71
900	Tailoring MOF-based materials to tune electromagnetic property for great microwave absorbers and devices. Carbon, 2020, 162, 157-171.	5.4	189
901	Microwave absorption properties of SiCN ceramics doped with cobalt nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 3803-3816.	1.1	17
902	Three-dimensional (Fe3O4/ZnO)@C Double-core@shell porous nanocomposites with enhanced broadband microwave absorption. Carbon, 2020, 162, 356-364.	5.4	126

#	Article	IF	CITATIONS
903	Investigation dielectric and morphological properties of fly ash collected from thermal power plant. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2437.	0.8	7
904	Enhancing electromagnetic wave absorption performance of Co3O4 nanoparticles functionalized MoS2 nanosheets. Journal of Alloys and Compounds, 2020, 829, 154531.	2.8	85
905	Facile One-Pot Solvothermal Synthesis of the RGO/MWCNT/Fe <sub>3</sub> O <sub>4</sub> Hybrids for Microwave Absorption. ACS Omega, 2020, 5, 2899-2909.	1.6	17
906	Enhanced microwave absorption properties of MnS2 microspheres interspersed with carbon nanotubes. Journal of Magnetism and Magnetic Materials, 2020, 502, 166432.	1.0	13
907	Light-weight and highly flexible TaC modified PyC fiber fabrics derived from cotton fiber textile with excellent electromagnetic shielding effectiveness. Chemical Engineering Journal, 2020, 387, 124085.	6.6	30
908	High temperature absorbing coatings with excellent performance combined Al2O3 and TiC material. Journal of the European Ceramic Society, 2020, 40, 2013-2019.	2.8	33
909	Nanoinfiltration for Enhancing Microwave Attenuation in Polystyrene–Nanoparticle Composites. ACS Applied Nano Materials, 2020, 3, 1872-1880.	2.4	8
910	Three-dimensional foam-like Fe3O4@C core-shell nanocomposites: Controllable synthesis and wideband electromagnetic wave absorption properties. Journal of Magnetism and Magnetic Materials, 2020, 502, 166518.	1.0	57
911	3D segregated architecture BaTiO3/polystyrene composites with enhanced dielectric constant fabricated via hot pressing core–shell polystyrene@BaTiO3 composite microspheres. Journal of Materials Science: Materials in Electronics, 2020, 31, 3101-3110.	1.1	7
912	Molecular Patching Engineering to Drive Energy Conversion as Efficient and Environmentâ€Friendly Cell toward Wireless Power Transmission. Advanced Functional Materials, 2020, 30, 1908299.	7.8	194
913	SiC/rGO Core–Shell Nanowire as a Lightweight, Highly Efficient Gigahertz Electromagnetic Wave Absorber. ACS Applied Electronic Materials, 2020, 2, 473-482.	2.0	32
914	Optimized design of high-temperature microwave absorption properties of CNTs/Sc2Si2O7 ceramics. Journal of Alloys and Compounds, 2020, 823, 153864.	2.8	40
915	Multiaxial electrospun generation of hollow graphene aerogel spheres for broadband high-performance microwave absorption. Nano Research, 2020, 13, 477-484.	5.8	135
916	Microwave absorption enhancement of asphalt concrete with SiC-Fe3O4 mixtures modifier. Construction and Building Materials, 2020, 254, 119209.	3.2	25
917	Antistatic and microwave shielding performance of polythiophene-graphene grafted 3-dimensional carbon fibre composite. Diamond and Related Materials, 2020, 106, 107871.	1.8	41
918	Preparation and microwave absorption properties of petal CoO/CNFs composites. Journal of Materials Science: Materials in Electronics, 2020, 31, 7606-7615.	1.1	8
919	Construction of C-Si heterojunction interface in SiC whisker/reduced graphene oxide aerogels for improving microwave absorption. Carbon, 2020, 164, 59-68.	5.4	84
920	Flexible and stretchable MXene/Polyurethane fabrics with delicate wrinkle structure design for effective electromagnetic interference shielding at a dynamic stretching process. Composites Communications, 2020, 19, 90-98.	3.3	73

#	Article	IF	CITATIONS
921	Confinedly growing and tailoring of Co <sub>3</sub> O <sub>4</sub> clusters-WS <sub>2</sub> nanosheets for highly efficient microwave absorption. Nanotechnology, 2020, 31, 325703.	1.3	28
922	Modeling for the electromagnetic properties and EMI shielding of Cf/mullite composites in the gigahertz range. Journal of the European Ceramic Society, 2020, 40, 3423-3430.	2.8	16
923	Synthesis of Ultralight N-Rich Porous Graphene Nanosheets Derived from Fluid Catalytic Cracking Slurry and Their Electromagnetic Wave Absorption Properties. Industrial & Engineering Chemistry Research, 2020, 59, 8243-8251.	1.8	13
924	One-Pot Hydrothermal Synthesis of MWCNT/ZrO <sub>2</sub> Composites for Enhancing Electromagnetic Wave Absorption Performance. Nano, 2020, 15, 2050034.	0.5	2
925	Environment-Stable CoxNiy Encapsulation in Stacked Porous Carbon Nanosheets for Enhanced Microwave Absorption. Nano-Micro Letters, 2020, 12, 102.	14.4	218
926	Design of High Temperature Complex Dielectric Properties Measuring System Based on XGBoost Algorithm. Materials, 2020, 13, 1419.	1.3	2
927	Enhanced electrical conductivity and multiferroic property of cobalt-doped bismuth ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 8727-8736.	1.1	13
928	Facile synthesis of Co0.5Zn0.5Fe2O4 nanoparticles decorated reduced graphene oxide hybrid nanocomposites with enhanced electromagnetic wave absorption properties. Ceramics International, 2020, 46, 15925-15934.	2.3	24
929	CoFe2O4/Fe magnetic nanocomposite: Exchange coupling behavior and microwave absorbing property. Ceramics International, 2020, 46, 17903-17916.	2.3	42
930	Dielectric properties and electromagnetic interference shielding effectiveness of Al2O3-based composites filled with FeSiAl and flaky graphite. Journal of Alloys and Compounds, 2020, 829, 154556.	2.8	16
931	Electromagnetic wave absorption performance of Graphene/SiC nanowires based on graphene oxide. Journal of Alloys and Compounds, 2020, 835, 155172.	2.8	28
932	The influence of MWCNTs on microwave absorption properties of Co/C and Ba-Hexaferrite hybrid nanocomposites. Synthetic Metals, 2020, 263, 116369.	2.1	22
933	Conjugate Microporous Polymer-Derived Conductive Porous Carbon Nanoparticles with Narrow Pore-Size Distribution for Electromagnetic Interference Shielding. ACS Applied Nano Materials, 2020, 3, 4553-4561.	2.4	19
934	GO@Fe3O4@CuSilicate Composite with a Hierarchical Structure: Fabrication, Microstructure, and Highly Electromagnetic Shielding Performance. ACS Omega, 2020, 5, 7940-7949.	1.6	9
935	Bioinspired ultra-thin polyurethane/MXene nacre-like nanocomposite films with synergistic mechanical properties for electromagnetic interference shielding. Journal of Materials Chemistry C, 2020, 8, 7170-7180.	2.7	77
936	Carbonized zeolitic imidazolate framework-67/polypyrrole: A magnetic-dielectric interface for enhanced microwave absorption properties. Journal of Colloid and Interface Science, 2020, 574, 87-96.	5.0	46
937	Synthesis and characterization of ZnO NPs-doped PMMA-BDK-MR polymer-coated thin films with UV curing for optical data storage applications. Polymer Bulletin, 2021, 78, 1189-1211.	1.7	31
938	Optimization of FeNi/SWCNT composites by a simple co-arc discharge process to improve microwave absorption performance. Journal of Alloys and Compounds, 2021, 852, 156712.	2.8	36

#	Article	IF	CITATIONS
939	In-situ growth of SiC nanowires@carbon nanotubes on 3D printed metamaterial structures to enhance electromagnetic wave absorption. Materials and Design, 2021, 197, 109271.	3.3	50
940	Core-shell, wire-in-tube and nanotube structures: Carbon-based materials by molecular layer deposition for efficient microwave absorption. Carbon, 2021, 173, 145-153.	5.4	34
941	Temperature and strain-induced tunable electromagnetic interference shielding in polydimethylsiloxane/multi-walled carbon nanotube composites with temperature-sensitive microspheres. Composites Part A: Applied Science and Manufacturing, 2021, 140, 106188.	3.8	76
942	Orientation growth modulated magnetic-carbon microspheres toward broadband electromagnetic wave absorption. Carbon, 2021, 172, 516-528.	5.4	85
943	Hybrid silica-carbon bilayers anchoring on FeSiAl surface with bifunctions of enhanced anti-corrosion and microwave absorption. Carbon, 2021, 173, 185-193.	5.4	114
944	Preparation of Ti-Si-C system and their ceramic composite coatings using gas flame spraying for microwave absorbing applications. Surface and Coatings Technology, 2021, 405, 126631.	2.2	7
945	MXene-based rGO/Nb2CTx/Fe3O4 composite for high absorption of electromagnetic wave. Chemical Engineering Journal, 2021, 405, 126626.	6.6	103
946	High temperature electromagnetic interference shielding of lightweight and flexible ZrC/SiC nanofiber mats. Chemical Engineering Journal, 2021, 404, 126521.	6.6	59
947	In-situ growth of core-shell ZnFe2O4 @ porous hollow carbon microspheres as an efficient microwave absorber. Journal of Colloid and Interface Science, 2021, 581, 475-484.	5.0	117
948	Controllable conversion of rice husks to Si/C and SiC/C composites in molten salts. Journal of Energy Chemistry, 2021, 55, 102-107.	7.1	32
949	Microwave absorption properties of polymer-derived SiCN(CNTs) composite ceramics. Ceramics International, 2021, 47, 1294-1302.	2.3	46
950	Ultralight and flexible SiC nanoparticle-decorated carbon nanofiber mats for broad-band microwave absorption. Carbon, 2021, 171, 474-483.	5.4	73
951	Achieving effective broadband microwave absorption with Fe3O4@C supraparticles. Journal of Materiomics, 2021, 7, 80-88.	2.8	29
952	Spider web-like carbonized bacterial cellulose/MoSe2 nanocomposite with enhanced microwave attenuation performance and tunable absorption bands. Nano Research, 2021, 14, 738-746.	5.8	70
953	Hierarchical, seamless, edge-rich nanocarbon hybrid foams for highly efficient electromagnetic-interference shielding. Journal of Materials Science and Technology, 2021, 72, 154-161.	5.6	45
954	Improved synergistic effect for achieving ultrathin microwave absorber of 1D Co nanochains/2D carbide MXene nanocomposite. Carbon, 2021, 172, 506-515.	5.4	196
955	Enhanced impact resistance and electromagnetic interference shielding of carbon nanotubes films composites. Journal of Applied Polymer Science, 2021, 138, 50033.	1.3	15
956	Electrospinning and in-situ hierarchical thermal treatment to tailor C–NiCo2O4 nanofibers for tunable microwave absorption. Carbon, 2021, 171, 953-962.	5.4	185

#	Article	IF	CITATIONS
957	Efficient low-frequency microwave absorption and solar evaporation properties of Î <sup>3</sup> -Fe2O3 nanocubes/graphene composites. Chemical Engineering Journal, 2021, 405, 126676.	6.6	63
958	A high-temperature structural and wave-absorbing SiC fiber reinforced Si3N4 matrix composites. Ceramics International, 2021, 47, 8191-8199.	2.3	11
959	Facile fabrication of ultrathin graphene film with ultrahigh electrical conductivity and superb electromagnetic interference shielding effectiveness. Journal of Materials Chemistry C, 2021, 9, 214-222.	2.7	19
960	Free-standing, anti-corrosion, super flexible graphene oxide/silver nanowire thin films for ultra-wideband electromagnetic interference shielding. Journal of Materials Chemistry A, 2021, 9, 1180-1191.	5.2	56
961	Structure design influencing the mechanical performance of 3D printing porous ceramics. Ceramics International, 2021, 47, 8389-8397.	2.3	27
962	Effects of mineral fillers addition and preparation method on the morphology and electrical conductivity of epoxy/multiwalled carbon nanotube nanocomposites. Polymer Engineering and Science, 2021, 61, 538-550.	1.5	4
963	Structural, magnetic and dielectric study of Fe2O3 nanoparticles obtained through exploding wire technique. Current Applied Physics, 2021, 22, 20-29.	1.1	11
964	Biomass-derived 3D magnetic porous carbon fibers with a helical/chiral structure toward superior microwave absorption. Carbon, 2021, 173, 918-931.	5.4	118
965	Impregnating epoxy into N-doped-CNTs@carbon aerogel to prepare high-performance microwave-absorbing composites with extra-low filler content. Composites Part A: Applied Science and Manufacturing, 2021, 140, 106159.	3.8	30
966	Fabrication of nitrogen-doped reduced graphene oxide/cobalt ferrite hybrid nanocomposites as broadband electromagnetic wave absorbers in both X and Ku bands. Synthetic Metals, 2021, 271, 116621.	2.1	24
967	Electromagnetic wave absorption performance of Ti2O3 and vacancy enhancement effective bandwidth. Journal of Materials Science and Technology, 2021, 76, 166-173.	5.6	32
968	Tailing size and impedance matching characteristic of nitrogen-doped carbon nanotubes for electromagnetic wave absorption. Carbon, 2021, 174, 79-89.	5.4	46
969	Enhanced electromagnetic wave absorption properties of Ni magnetic coating-functionalized SiC/C nanofibers synthesized by electrospinning and magnetron sputtering technology. Chemical Physics Letters, 2021, 763, 138230.	1.2	23
970	Boron nitride nanocomposites for microwave absorption: A review. Materials Today Nano, 2021, 13, 100108.	2.3	35
971	Construction of Ni-loaded ceramic composites for efficient microwave absorption. Applied Surface Science, 2021, 538, 148018.	3.1	34
972	Effect of dopant on ferroelectric, dielectric and photocatalytic properties of chromium-doped cobalt perovskite prepared via micro-emulsion route. Results in Physics, 2021, 20, 103726.	2.0	22
973	Silicate–CoNi–carbon triple shell sandwich structured composite hollow microspheres with low density boosted microwave absorption and high mechanical strength. Journal of Materials Chemistry C, 2021, 9, 702-713.	2.7	13
974	Multiple dielectric behavior of Cf-SiCNFs/Si3N4 ceramic composite at high temperatures. Ceramics International, 2021, 47, 4127-4134.	2.3	13

#	Article	IF	CITATIONS
975	Fabrication of magnesium ferrite microspheres decorated nitrogen-doped reduced graphene oxide hybrid composite toward high-efficiency electromagnetic wave absorption. Journal of Alloys and Compounds, 2021, 859, 157865.	2.8	24
976	Electromagnetic wave absorbing performance of multiphase (SiC/HfC/C)/SiO2 nanocomposites with an unique microstructure. Journal of the European Ceramic Society, 2021, 41, 2425-2434.	2.8	17
977	A theoretical strategy of pure carbon materials for lightweight and excellent absorption performance. Carbon, 2021, 174, 662-672.	5.4	98
978	Facile synthesis of nitrogen-doped reduced graphene oxide/nickel ferrite hybrid nanocomposites with superior electromagnetic wave absorption performance in the X-band. Journal of Colloid and Interface Science, 2021, 585, 538-548.	5.0	51
979	From intrinsic dielectric loss to geometry patterns: Dual-principles strategy for ultrabroad band microwave absorption. Nano Research, 2021, 14, 1495-1501.	5.8	182
980	High temperature electromagnetic shielding shape memory polymer composite. Chemical Engineering Journal, 2021, 408, 127365.	6.6	106
981	Targeted design and analysis of microwave absorbing properties in iron-doped SiCN/Si3N4 composite ceramics. Ceramics International, 2021, 47, 4521-4530.	2.3	15
982	Recent progress in morphological engineering of carbon materials for electromagnetic interference shielding. Carbon, 2021, 172, 569-596.	5.4	120
983	Versatile epoxy/polyaniline and derived nanocomposite: from strategic design to advance application. Materials Research Innovations, 2021, 25, 321-330.	1.0	7
984	The role of MnO <sub>2</sub> /polyaniline/Y-type barium hexaferrite (Al <sub>2</sub> Y,) Tj ETQq1 1 0.784314 rg absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262.	gBT /Overlo 1.4	ock 10 Tf 50 1
984 985			
	absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262. Thin copper hybrid structures by spray-assisted layer by layer chemical deposition on fabric surfaces for electromagnetic interference shielding. Colloids and Interface Science Communications, 2021, 40,	1.4	1
985	absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262. Thin copper hybrid structures by spray-assisted layer by layer chemical deposition on fabric surfaces for electromagnetic interference shielding. Colloids and Interface Science Communications, 2021, 40, 100365. MoS <sub>2</sub> nanoparticle/activated carbon composite as a dual-band material for absorbing	1.4 2.0	1
985 986	absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262.Thin copper hybrid structures by spray-assisted layer by layer chemical deposition on fabric surfaces for electromagnetic interference shielding. Colloids and Interface Science Communications, 2021, 40, 100365.MoS <sub>2</sub> nanoparticle/activated carbon composite as a dual-band material for absorbing microwaves. Nanoscale Advances, 2021, 3, 4196-4206.Double Layer Material Designed to Reduce Electromagnetic Radiation with Carbon Black, Silicon	1.4 2.0 2.2	1 10 22
985 986 987	absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262.Thin copper hybrid structures by spray-assisted layer by layer chemical deposition on fabric surfaces for electromagnetic interference shielding. Colloids and Interface Science Communications, 2021, 40, 100365.MoS <sub>2</sub> nanoparticle/activated carbon composite as a dual-band material for absorbing microwaves. Nanoscale Advances, 2021, 3, 4196-4206.Double Layer Material Designed to Reduce Electromagnetic Radiation with Carbon Black, Silicon Carbide and Manganese Zinc Ferrite. Journal of Aerospace Technology and Management, 0, 13, .	1.4 2.0 2.2	1 10 22 2
985 986 987 988	absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262.Thin copper hybrid structures by spray-assisted layer by layer chemical deposition on fabric surfaces for electromagnetic interference shielding. Colloids and Interface Science Communications, 2021, 40, 100365.MoS <sub>2</sub> nanoparticle/activated carbon composite as a dual-band material for absorbing microwaves. Nanoscale Advances, 2021, 3, 4196-4206.Double Layer Material Designed to Reduce Electromagnetic Radiation with Carbon Black, Silicon Carbide and Manganese Zinc Ferrite. Journal of Aerospace Technology and Management, 0, 13, .Design of electromagnetic absorbers based on green nanomaterials. , 2021, , 503-520.Behavior of microwave absorption of BiFeO3 nanoparticles fabricated by sol-gel method. AIP	1.4 2.0 2.2 0.3	1 10 22 2 0
985 986 987 988	absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262.         Thin copper hybrid structures by spray-assisted layer by layer chemical deposition on fabric surfaces for electromagnetic interference shielding. Colloids and Interface Science Communications, 2021, 40, 100365.         MoS <sub>2</sub> nanoparticle/activated carbon composite as a dual-band material for absorbing microwaves. Nanoscale Advances, 2021, 3, 4196-4206.         Double Layer Material Designed to Reduce Electromagnetic Radiation with Carbon Black, Silicon Carbide and Manganese Zinc Ferrite. Journal of Aerospace Technology and Management, 0, 13, .         Design of electromagnetic absorbers based on green nanomaterials. , 2021, , 503-520.         Behavior of microwave absorption of BiFeO3 nanoparticles fabricated by sol-gel method. AIP Conference Proceedings, 2021, , .         Polymer-based lightweight materials for electromagnetic interference shielding; a review. Journal of	1.4 2.0 2.2 0.3 0.3	1 10 22 2 2 0 2

#	Article	IF	CITATIONS
993	Hierarchical Magnetic Network Constructed by CoFe Nanoparticles Suspended Within "Tubes on Rods―Matrix Toward Enhanced Microwave Absorption. Nano-Micro Letters, 2021, 13, 47.	14.4	124
994	CNT@NiO/natural rubber with excellent impedance matching and low interfacial thermal resistance toward flexible and heat-conducting microwave absorption applications. Journal of Materials Chemistry C, 2021, 9, 869-880.	2.7	59
995	Growth of NiAl‣ayered Double Hydroxide on Graphene toward Excellent Anticorrosive Microwave Absorption Application. Advanced Science, 2021, 8, 2002658.	5.6	227
996	Advances in electromagnetic shielding properties of composite foams. Journal of Materials Chemistry A, 2021, 9, 8896-8949.	5.2	184
997	Absorption-enhanced EMI shielding using silver decorated three-dimensional porous architected reduced graphene oxide in polybenzoxazine composites. New Journal of Chemistry, 2021, 45, 16939-16948.	1.4	8
998	Influence of High-Enthalpy Atmospheric Plasma Spraying Process Parameters on Microwave Dielectric Properties of Y2O3 Coatings. Journal of Thermal Spray Technology, 2021, 30, 898-906.	1.6	4
999	Porous fibres of a polymer blend for broadband microwave absorption. Materials Advances, 2021, 2, 3613-3619.	2.6	3
1000	Broadening the absorption bandwidth by novel series–parallel cross convex–concave structures. Journal of Materials Chemistry C, 2021, 9, 5411-5424.	2.7	21
1001	A TTF–TCNQ complex: an organic charge-transfer system with extraordinary electromagnetic response behavior. Journal of Materials Chemistry C, 2021, 9, 3316-3323.	2.7	89
1002	Electromagnetic interference shielding effectiveness of polymer nanocomposites. , 2021, , 211-236.		1
1003	Hybrid structure of MWCNT/ferrite and GO incorporated composites for microwave shielding properties and their practical applications. RSC Advances, 2021, 11, 9775-9787.	1.7	20
1004	Non-Magnetic Bimetallic MOF-Derived Porous Carbon-Wrapped TiO2/ZrTiO4 Composites for Efficient Electromagnetic Wave Absorption. Nano-Micro Letters, 2021, 13, 75.	14.4	154
1005	Modification of carbon fiber by magnetite particles. IOP Conference Series: Materials Science and Engineering, 2021, 1047, 012051.	0.3	5
1006	High electromagnetic interference shielding effectiveness in MgO composites reinforced by aligned graphene platelets. Journal of the American Ceramic Society, 2021, 104, 2868-2878.	1.9	8
1007	Comparative study on pyrolytic transformation mechanism of ANFs-derived carbon membrane for electromagnetic interference shielding application. Journal of Materials Science: Materials in Electronics, 2021, 32, 7090-7105.	1.1	6
1008	Electromagnetic-wave shielding promulgation of cluster like FZ@MWCNT composite incorporated in GO matrices by polarization relaxation and potential degradation. Materials Characterization, 2021, 172, 110884.	1.9	9
1009	Functionalized carbonized monarch butterfly wing scales (FCBW) ornamented by β-Co(OH) <sub>2</sub> nanoparticles: an investigation on its microwave, magnetic, and optical characteristics. Nanotechnology, 2021, 32, 195201.	1.3	13
1010	Synthesis and dielectric enhancement of rare-earth ions substituted lanthanum tantalate solid solutions. Journal of Electroceramics, 2021, 46, 33-45.	0.8	0

#	Article	IF	Citations
# 1011	Chain-like Fe3O4@void@mSiO2@MnO2 composites with multiple porous shells toward highly	2.2	43
1011	effective microwave absorption application. Microporous and Mesoporous Materials, 2021, 314, 110867.	2.2	70
1012	Multi-Response Optimisation for the Development of an Activated Carbon Web as Interlining for Higher Electrical Conductivity and EMI Shielding Using Grey Relational Analysis. Fibres and Textiles in Eastern Europe, 2021, 29, 57-65.	0.2	1
1013	Three-Dimensional Ordered Mesoporous Carbon Spheres Modified with Ultrafine Zinc Oxide Nanoparticles for Enhanced Microwave Absorption Properties. Nano-Micro Letters, 2021, 13, 76.	14.4	87
1014	Enhancement of electromagnetic wave absorption in MnFe2O4 nano-hollow spheres. Journal of Applied Physics, 2021, 129, .	1.1	15
1015	Enhancing Microwave Absorbing Properties of Nickel-Zinc-Ferrite with Multi-walled Carbon Nanotubes (MWCNT) Loading at Higher Gigahertz Frequency. Asian Journal of University Education, 0, , 1-7.	0.1	0
1016	Diverse Metal–Organic Framework Architectures for Electromagnetic Absorbers and Shielding. Advanced Functional Materials, 2021, 31, 2100470.	7.8	271
1017	Controllable fabrication of lightweight carbon with hierarchically hollow structure for enhanced microwave absorption. Diamond and Related Materials, 2021, 113, 108285.	1.8	10
1018	Effects of La3+ or Ti4+ doping on dielectric and microwave absorption performance of CaMnO3 in the 8.2–18ÂGHz. Journal of Materials Science: Materials in Electronics, 2021, 32, 10329-10338.	1.1	6
1019	1D Electromagnetic-Gradient Hierarchical Carbon Microtube via Coaxial Electrospinning Design for Enhanced Microwave Absorption. ACS Applied Materials & Interfaces, 2021, 13, 15939-15949.	4.0	54
1020	Highly stretchable and self-foaming polyurethane composite skeleton with thermally tunable microwave absorption properties. Nanotechnology, 2021, 32, 225703.	1.3	11
1021	Investigation of electrical conduction in Ca6-xNa2Y2(SiO4)6F2:xEu3+ ceramic by complex impedance and electric modulus spectroscopy. Ceramics International, 2021, 47, 7032-7044.	2.3	17
1022	Controllable synthesis of SiC wrapped LDHs to reinforce microwave absorption and exothermic properties of styrene-butadiene-styrene (SBS) polymer modified asphalt. Materials Research Express, 2021, 8, 035501.	0.8	3
1023	Characterization and simulation of the nonlinear thermal field of the aramid/bismaleimide composites caused by the dielectric heating effects of the microwave radiations. Polymer Composites, 2021, 42, 2565-2573.	2.3	3
1024	Enhanced tunability and temperature-dependent dielectric characteristics at microwaves of K0.5Na0.5NbO3 thin films epitaxially grown on (100)MgO substrates. Journal of Alloys and Compounds, 2021, 856, 158138.	2.8	10
1025	Construction of multiple interfaces and dielectric/magnetic heterostructures in electromagnetic wave absorbers with enhanced absorption performance: A review. Journal of Materiomics, 2021, 7, 1233-1263.	2.8	94
1026	Developing MXenes from Wireless Communication to Electromagnetic Attenuation. Nano-Micro Letters, 2021, 13, 115.	14.4	115
1027	Vulcanization of Ti3C2T MXene/natural rubber composite films for enhanced electromagnetic interference shielding. Applied Surface Science, 2021, 546, 149143.	3.1	26
1028	Assembling 3D flower-like Co3O4-MWCNT architecture for optimizing low-frequency microwave absorption. Carbon, 2021, 174, 638-646.	5.4	134

#	Article	IF	CITATIONS
1029	High-temperature dielectric and microwave absorption performances of TiB2/Al2O3 ceramics prepared by spark plasma sintering. Science China Technological Sciences, 2021, 64, 1264-1275.	2.0	5
1030	The microwave absorption properties of residual carbon from coal gasification fine slag. Fuel, 2021, 290, 120050.	3.4	49
1031	Thorny trunk-like structure of reduced graphene oxide/HKUST-1 MOF for enhanced EMI shielding capability. Ceramics International, 2021, 47, 10027-10034.	2.3	13
1032	Rational design of multi-shell hollow carbon submicrospheres for high-performance microwave absorbers. Carbon, 2021, 175, 233-242.	5.4	85
1033	Chemically Room Temperature Crosslinked Polyvinyl Alcohol (PVA) with Anomalous Microwave Absorption Characteristics. Macromolecular Rapid Communications, 2021, 42, e2000763.	2.0	9
1034	Aligned polycrystallineÂironÂfiber/carbon fiber composites with enhanced microwave absorption properties and lightweight feature. Journal of Materials Science: Materials in Electronics, 2021, 32, 15412-15424.	1.1	4
1035	Off/on switchable smart electromagnetic interference shielding aerogel. Matter, 2021, 4, 1735-1747.	5.0	114
1036	The Influence of Li-doping on the Microwave Absorption Properties of BiFeO <sub>3</sub> Nanoparticles. E-Journal of Surface Science and Nanotechnology, 2021, 19, 55-60.	0.1	0
1037	Flexible and heat-resistant carbon nanotube/graphene/polyimide foam for broadband microwave absorption. Composites Science and Technology, 2021, 212, 108848.	3.8	28
1038	Enhanced interfacial property of carbon fiber reinforced epoxy composite based on carbon fiber treated by supercritical water/nitrate system. Journal of Composite Materials, 2021, 55, 3719-3727.	1.2	4
1039	Fabrication of hexagonal cerium oxide nanoparticles decorated nitrogen-doped reduced graphene oxide hybrid nanocomposite as high-performance microwave absorbers in the Ku band. Ceramics International, 2021, 47, 12111-12121.	2.3	13
1040	Design, Fabrication and Characteristics of Eco-Friendly Microwave Absorbing Materials: A Review. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2022, 39, 756-774.	2.1	14
1041	Influence of A-site doping barium on structure, magnetic and microwave absorption properties of LaFeO3 ceramics powders. Journal of Rare Earths, 2022, 40, 1106-1117.	2.5	17
1042	Facile fabrication of lightweight porous FDM-Printed polyethylene/graphene nanocomposites with enhanced interfacial strength for electromagnetic interference shielding. Composites Science and Technology, 2021, 207, 108732.	3.8	49
1043	Si3N4-BN-SiCN ceramics with unique hetero-interfaces for enhancing microwave absorption properties. Ceramics International, 2021, 47, 12261-12268.	2.3	19
1044	Lignin doped epoxy acrylate sandwich electromagnetic shielding material synergized with Fe <sub>3</sub> O <sub>4</sub> and CNT. Journal of Dispersion Science and Technology, 2022, 43, 2209-2217.	1.3	1
1045	Three dimensional porous MXene/CNTs microspheres: Preparation, characterization and microwave absorbing properties. Composites Part A: Applied Science and Manufacturing, 2021, 145, 106378.	3.8	100
1046	Enhanced dielectric, thermal stability, and energy storage properties in compositionally engineered lead-free ceramics at morphotropic phase boundary. Ceramics International, 2021, 47, 17220-17233.	2.3	9

#	Article	IF	CITATIONS
1047	Microwave absorption characteristic of a double-layer X-band absorber based on MWCNTs/La0.6Sr0.4Mn0.5Fe0.5O4 coated with PEDOT polymer. Ceramics International, 2021, 47, 17736-17744.	2.3	25
1048	Effects of Impedance and Dielectric Loss on the Electromagnetic Shielding Performance of an Ultrathin Carbon Nanotube Buckypaperâ€Reinforced Silicon Carbide Nanocomposite. Advanced Engineering Materials, 2021, 23, 2001487.	1.6	6
1049	Study on broadband microwave absorbing performance of gradient porous structure. Advanced Composites and Hybrid Materials, 2021, 4, 591-601.	9.9	99
1050	Reduced graphene oxide-supported boron and nitrogen co-doped carbon nanotubes with embedded cobalt nanoparticles for absorption of electromagnetic wave. Journal of Alloys and Compounds, 2021, 865, 158967.	2.8	15
1051	Spray coating of a perfect absorber based on carbon nanotube multiscale composites. Carbon, 2021, 178, 616-624.	5.4	22
1052	Synthesis of carbon-coated cobalt ferrite core–shell structure composite: A method for enhancing electromagnetic wave absorption properties by adjusting impedance matching. Chinese Journal of Chemical Engineering, 2022, 47, 206-217.	1.7	10
1053	Porous Nano-Ni/Graphene/Loofah Composites for Electromagnetic Interference Shielding. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 1121-1132.	2.7	4
1054	Nano-architectured NiO shell vs 3D microflowers morphology toward enhancement of magneto-electric loss in mesoporous magneto-electric composite. Ceramics International, 2021, 47, 20595-20609.	2.3	64
1055	Synergistic coupling of NiFe layered double hydroxides with Co-C nanofibers for high-efficiency oxygen evolution reaction. Chemical Engineering Journal, 2021, 415, 128879.	6.6	38
1056	Vertical Graphene Nanosheet/Polyimide Composite Films for Electromagnetic Interference Shielding. ACS Applied Nano Materials, 2021, 4, 7461-7470.	2.4	16
1057	Polypyrrole-derived N-doped carbon nanoribbon for broadband microwaves absorption. Journal of Materials Science: Materials in Electronics, 2021, 32, 26151.	1.1	1
1058	Effect of filler loading and thickness parameters on the microwave absorption characteristic of double-layered absorber based on MWCNT/BaTiO3/pitted carbonyl iron composite. Ceramics International, 2021, 47, 19538-19545.	2.3	21
1059	Synergistically assembled nitrogen-doped reduced graphene oxide/multi-walled carbon nanotubes composite aerogels with superior electromagnetic wave absorption performance. Composites Science and Technology, 2021, 210, 108818.	3.8	63
1060	Metal-organic framework derived hollow CoFe@C composites by the tunable chemical composition for efficient microwave absorption. Journal of Colloid and Interface Science, 2021, 593, 370-379.	5.0	86
1061	A new low-density hydrogel-based matrix with hollow microsphere structure for weight reduction of microwave absorbing composites. Materials Chemistry and Physics, 2021, 266, 124532.	2.0	12
1062	Optimization of the microwave absorptivity of SiCf/Resin composites in the GHz range. Ceramics International, 2021, 47, 18262-18273.	2.3	2
1063	Effects of Ni2+, Zr4+, or Ti4+ doping on the electromagnetic and microwave absorption properties of CaMnO3 particles. Ceramics International, 2021, 47, 19995-20002.	2.3	11
1064	Bio-carbon/FexOy composite materials with a wideband electromagnetic wave absorption. Journal of Materials Science: Materials in Electronics, 2021, 32, 20856-20866.	1.1	8

#	Article	IF	CITATIONS
10/5	Preparation of Fe3O4 particles with unique structures from nickel slag for enhancing microwave	0.0	9.4
1065	absorption properties. Ceramics International, 2021, 47, 18848-18857.	2.3	24
1066	Electromagnetic absorber converting radiation for multifunction. Materials Science and Engineering Reports, 2021, 145, 100627.	14.8	169
1067	Rational design of ZnO/ZnO nanocrystal-modified rGO foam composites with wide-frequency microwave absorption properties. Ceramics International, 2021, 47, 33584-33595.	2.3	9
1068	Co0.2Fe2.8O4/C composite nanofibers with designable 3D hierarchical architecture for high-performance electromagnetic wave absorption. Ceramics International, 2021, 47, 23275-23284.	2.3	18
1069	Microwave additive manufacturing of continuous carbon fibers reinforced thermoplastic composites: Characterization, analysis, and properties. Additive Manufacturing, 2021, 44, 102035.	1.7	4
1070	Polymerâ€derived Fe x Si y /SiC@SiOC ceramic nanocomposites with tunable microwave absorption behavior. International Journal of Applied Ceramic Technology, 0, , .	1.1	6
1071	Electromagnetic shielding effectiveness of amorphous metallic spheroidal- and flake-based magnetodielectric composites. Journal of Materials Science and Technology, 2021, 83, 256-263.	5.6	13
1072	Synthesis of ultralight three-dimensional nitrogen-doped reduced graphene oxide/multi-walled carbon nanotubes/zinc ferrite composite aerogel for highly efficient electromagnetic wave absorption. Journal of Colloid and Interface Science, 2021, 596, 364-375.	5.0	54
1073	Effect of Temperature on the Microwave-Absorbing Properties of an Al2O3–MoSi2 Coating Mixed with Copper. Coatings, 2021, 11, 940.	1.2	5
1074	Highly Stretchable and Conductive Carbon Fiber/Polyurethane Conductive Films Featuring Interlocking Interfaces. ACS Applied Materials & Interfaces, 2021, 13, 38656-38665.	4.0	14
1075	Broadband metamaterial absorber with thermal insensitivity up to 600°C. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	2
1076	Multifunctional lithium Aluminosilicate/CNT composite for gas filtration and electromagnetic wave absorption. Chemical Engineering Journal, 2021, 418, 129429.	6.6	48
1077	Electromagnetic Shielding Effectiveness of an Absorber-Like Carbonyl Iron-FeNi Double-Layer Composite. Journal of Materials Engineering and Performance, 2022, 31, 643-650.	1.2	2
1078	Boosted Interfacial Polarization from the Multidimensional Core–Shell–Flat Heterostructure CNP@PDA@GO/rGO for Enhanced Microwave Absorption. Industrial & Engineering Chemistry Research, 2021, 60, 12343-12352.	1.8	18
1079	Mechanical and Electromagnetic Shielding Properties of Carbon Foam. Advanced Engineering Materials, 2021, 23, 2100452.	1.6	21
1080	Effective EMI shielding behaviour of thin graphene/PMMA nanolaminates in the THz range. Nature Communications, 2021, 12, 4655.	5.8	84
1081	Tunable microwave absorption performance of carbon fiber-reinforced reaction bonded silicon nitride composites. Ceramics International, 2021, 47, 22540-22549.	2.3	25
1082	Microwave Heat-Treated Electronic Waste Constituted X-Band Radar Absorbing Structure Using Electromagnetic Mixing Model Assisted Optimization Strategy. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 996-1006.	1.4	7

#	Article	IF	Citations
1083	High-Temperature Dielectric and Microwave Absorption Property of Atmospheric Plasma Sprayed Al2O3-MoSi2-Cu Composite Coating. Coatings, 2021, 11, 1029.	1.2	3
1084	Structural, double Jonscher response andÂnon-Debye-type relaxor behavior of Ba0.75Sr0.25Ti0.9Zn0.2O3 ceramic. Journal of Materials Science: Materials in Electronics, 2021, 32, 23333-23348.	1.1	5
1085	Conversion of silicon carbide fibers to continuous graphene fibers by vacuum annealing. Carbon, 2021, 182, 435-444.	5.4	12
1086	Progress in graphene-based magnetic hybrids towards highly efficiency for microwave absorption. Journal of Materials Science and Technology, 2022, 106, 147-161.	5.6	30
1087	Effect of ambient plasma treatment on single-walled carbon nanotubes-based epoxy/fabrics for improving fracture toughness and electromagnetic shielding effectiveness. Composites Part A: Applied Science and Manufacturing, 2021, 148, 106456.	3.8	13
1088	Fabrication of Ni/ZnO/C hollow microspheres decorated graphene composites towards high-efficiency electromagnetic wave absorption in the Ku-band. Ceramics International, 2021, 47, 24372-24383.	2.3	24
1089	Enhanced microwave absorption properties of Fe-doped SiOC ceramics by the magnetic-dielectric loss properties. Ceramics International, 2021, 47, 24393-24402.	2.3	15
1090	Carbonyl iron powder/ethyl cellulose hybrid wall microcapsules encapsulating epoxy resin for wave absorption and self-healing. Composites Science and Technology, 2021, 214, 108960.	3.8	23
1091	Homogenization of woven composites for shielding applications: the case of oblique incidence. Journal of Electromagnetic Waves and Applications, 2022, 36, 568-578.	1.0	0
1092	Low-temperature carbonized carbon nanotube/cellulose aerogel for efficient microwave absorption. Composites Part B: Engineering, 2021, 220, 108985.	5.9	95
1093	The dielectric and microwave absorption properties variation with temperature of La0.5Sr0.5CoO3 ceramics and improved microwave absorption by FSS. Ceramics International, 2021, 47, 26430-26437.	2.3	7
1094	Fabrication of binary MOF-derived hybrid nanoflowers via selective assembly and their microwave absorbing properties. Carbon, 2021, 182, 484-496.	5.4	53
1095	High Frequency Electromagnetic Shielding by Biochar-Based Composites. Nanomaterials, 2021, 11, 2383.	1.9	25
1096	Optimized impedance matching and enhanced microwave absorbing performance of porous flaky Fe4N wrapped with SiO2. Journal of Magnetism and Magnetic Materials, 2021, 536, 168119.	1.0	10
1097	Cellulose-derived flexible carbonized paper for high-performance electromagnetic interference shielding. Carbon Trends, 2021, 5, 100085.	1.4	3
1098	Magnetic properties, structural studies and microwave absorption performance of Ba0.5Sr0.5CuxZrxFe12-2xO19/Poly Ortho-Toluidine (XÂ=Â0.2,0.4, 0.6, 0.8) ceramic nanocomposites. Inorganic Chemistry Communication, 2021, 132, 108802.	1.8	3
1099	Broadband electromagnetic absorbing performance by constructing alternate gradient structure (AGS) for PMMA-based foams. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106557.	3.8	17
1100	TTF-TCNQ derived N,S-codoped carbon with multiple macropores for excellent electromagnetic wave adsorption. Synthetic Metals, 2021, 280, 116877.	2.1	11

#	Article	IF	CITATIONS
1101	Cage-structured CoFe2O4@CNTs from Fe–Co-MOF confined growth in CNTs for high electromagnetic wave absorption performances. Composites Communications, 2021, 27, 100910.	3.3	24
1102	Salt template-steered sintering synthesis of flaky C/Co composites for ultra-wide band microwave assimilation. Journal of Alloys and Compounds, 2021, 879, 160486.	2.8	4
1103	Achieving high-performance and tunable microwave shielding in multi-walled carbon nanotubes/polydimethylsiloxane composites containing liquid metals. Applied Surface Science, 2021, 563, 150255.	3.1	45
1104	Enhanced electromagnetic wave absorption of layered FeCo@carbon nanocomposites with a low filler loading. Journal of Alloys and Compounds, 2021, 879, 160465.	2.8	35
1105	Enhanced electromagnetic wave absorption properties of carbon nanofibers embedded with ZnO nanocrystals. Journal of Alloys and Compounds, 2021, 877, 160132.	2.8	24
1106	A hierarchical carbon Fiber@MXene@ZnO core-sheath synergistic microstructure for efficient microwave absorption and photothermal conversion. Carbon, 2021, 183, 872-883.	5.4	75
1107	Flexible 3D porous graphene film decorated with nickel nanoparticles for absorption-dominated electromagnetic interference shielding. Chemical Engineering Journal, 2021, 421, 129763.	6.6	59
1108	Molybdenum disulfide/nanodiamonds hybrid for high electromagnetic absorption. Diamond and Related Materials, 2021, 118, 108535.	1.8	3
1109	3D-printed impedance gradient Al2O3 ceramic with in-situ growing needle-like SiC nanowires for electromagnetic wave absorption. Ceramics International, 2021, 47, 31990-31999.	2.3	28
1110	Graphene oxide-assisted Co-sintering synthesis of carbon nanotubes with enhanced electromagnetic wave absorption performance. Carbon, 2021, 185, 186-197.	5.4	36
1111	Construction of excellent electromagnetic wave absorber from multi-heterostructure materials derived from ZnCo2O4 and ZIF-67 composite. Carbon, 2021, 185, 514-525.	5.4	35
1112	Fabrication of three-dimensional nitrogen-doped reduced graphene oxide/tin oxide composite aerogels as high-performance electromagnetic wave absorbers. Journal of Colloid and Interface Science, 2021, 602, 282-290.	5.0	29
1113	Humidification of high-performance and multifunctional polyimide/carbon nanotube composite foams for enhanced electromagnetic shielding. Materials Today Physics, 2021, 21, 100521.	2.9	30
1114	Hierarchically three-dimensional structure assembled with yolk-shelled spheres-supported nitrogen-doped carbon nanotubes for electromagnetic wave absorption. Carbon, 2021, 185, 177-185.	5.4	31
1115	Earthworm-like (Co/CoO)@C composite derived from MOF for solving the problem of low-frequency microwave radiation. Journal of Alloys and Compounds, 2021, 881, 160556.	2.8	29
1116	Research advances in composition, structure and mechanisms of microwave absorbing materials. Composites Part B: Engineering, 2021, 224, 109173.	5.9	141
1117	Stretchable polyurethane composite foam triboelectric nanogenerator with tunable microwave absorption properties at elevated temperature. Nano Energy, 2021, 89, 106397.	8.2	37
1118	Microwave absorbing properties of carbon fiber based materials: A review and prospective. Journal of Alloys and Compounds, 2021, 881, 160572.	2.8	67

#	Article	IF	CITATIONS
1119	Structure regulation and microwave absorption property of SiCN ceramic aerogels produced by catalytic pyrolysis. Ceramics International, 2021, 47, 31561-31566.	2.3	10
1120	Structural, magnetic and microwave properties of Ba1-xNdxFe12O19. Journal of Magnetism and Magnetic Materials, 2021, 539, 168400.	1.0	10
1121	Carbon fibers@Co-ZIFs derivations composites as highly efficient electromagnetic wave absorbers. Journal of Materials Science and Technology, 2021, 94, 239-246.	5.6	45
1122	Magnetic TiN composites for efficient microwave absorption: Nanoribbons vs nanoparticles. Composites Communications, 2021, 28, 100919.	3.3	27
1123	Facile fabrication of indium tin oxide/nanoporous carbon composites with excellent low-frequency microwave absorption. Journal of Alloys and Compounds, 2021, 889, 161636.	2.8	28
1125	Highly anisotropic thermal and electrical conductivities of nylon composite papers with the integration of strength and toughness. Journal of Materials Chemistry A, 2021, 9, 22982-22993.	5.2	11
1126	Short Fiber Ceramic Matrix Composites (SF-CMCs). , 2021, , 260-276.		3
1127	Enhanced electromagnetic wave absorption of magnetic Co nanoparticles/CNTs/EG porous composites with waterproof, flame-retardant and thermal management functions. Journal of Materials Chemistry A, 2021, 9, 17538-17552.	5.2	89
1128	Enhanced energy density of polyaniline nanostructured polymer nanocomposites at low electric field. Journal of Applied Physics, 2021, 129, .	1.1	10
1129	To transform maifanite powders from insulators to conductors by Sm gaseous penetration technology. Research on Chemical Intermediates, 2021, 47, 2095-2106.	1.3	1
1130	Synthesis and Broadband Absorption of Fe-Based Nanoparticles in the Ku-Band. Journal of Electronic Materials, 2021, 50, 2157-2163.	1.0	3
1131	Tailorable MOF architectures for high-efficiency electromagnetic functions. Materials Chemistry Frontiers, 2021, 5, 6444-6460.	3.2	30
1132	Accurately Engineering 2 <i>D</i> /2D/0D Heterojunction In Hierarchical Ti <sub>3</sub> C <sub>2</sub> T <sub><i>x</i>/i&gt;</sub> MXene Nanoarchitectures for Electromagnetic Wave Absorption and Shielding. ACS Applied Materials & Interfaces, 2021, 13, 5866-5876.	4.0	56
1133	Novel composites with a cross-linked polyaniline shell and oriented palygorskite as ideal microwave absorbers. New Journal of Chemistry, 2021, 45, 2765-2774.	1.4	9
1134	Microwave Absorption of Crystalline Fe/MnO@C Nanocapsules Embedded in Amorphous Carbon. Nano-Micro Letters, 2020, 12, 57.	14.4	141
1135	Efficient ferrite/Co/porous carbon microwave absorbing material based on ferrite@metal–organic framework. Chemical Engineering Journal, 2017, 326, 945-955.	6.6	244
1136	Dual-Interfacial Polarization Enhancement to Design Tunable Microwave Absorption Nanofibers of SiC@C@PPy. ACS Applied Electronic Materials, 2020, 2, 1505-1513.	2.0	41
1137	Ti <sub>3</sub> C <sub>2</sub> T <sub><i>x</i></sub> MXene Nanosheet/Metal–Organic Framework Composites for Microwave Absorption. ACS Applied Nano Materials, 2021, 4, 691-701.	2.4	72

#	Article	IF	CITATIONS
1138	Preparation of cobalt sulfide nanoparticles wrapped into reduced graphene oxide with tunable microwave absorption performance. Journal of Applied Physics, 2020, 127, .	1.1	19
1139	Preparation and vapor-sensitive properties of hydroxyl-terminated polybutadiene polyurethane conductive polymer nanocomposites based on polyaniline-coated multiwalled carbon nanotubes. Nanotechnology, 2020, 31, 195504.	1.3	19
1140	A comparative study on the dielectric response and microwave absorption performance of FeNi-capped carbon nanotubes and FeNi-cored carbon nanoparticles. Nanotechnology, 2021, 32, 105701.	1.3	20
1141	MXene/wood-based composite materials with electromagnetic shielding properties. Holzforschung, 2021, 75, 494-499.	0.9	11
1142	Microwave Absorbing Properties of Carbon Fibers Modified with BN/SiC Composite Coatings. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2014, 29, 1093.	0.6	9
1143	Recent Progress in Electromagnetic Wave Absorbers. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 26, 449-457.	0.6	36
1144	Anisotropic Dielectric Properties of Short Carbon Fiber Composites. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2013, 27, 1223-1227.	0.6	4
1146	Performance Analysis of Electromagnetic Interference Shielding Based on Carbon Nanomaterials Used in AMS/RF IC Design. Advances in Computer and Electrical Engineering Book Series, 2015, , 268-294.	0.2	10
1147	Hybrid Carbon Nanomaterials for Electromagnetic Interference Shielding. Composites Research, 2016, 29, 138-144.	0.1	1
1148	Highly self-healable and recyclable graphene nanocomposites composed of a Diels–Alder crosslinking/P3HT nanofibrils dual-network for electromagnetic interference shielding. Journal of Materials Chemistry C, 2021, 9, 15622-15640.	2.7	5
1149	Organic–inorganic hybrid-reinforced flexible and robust 2D papers for high-efficiency microwave-absorbing films. Journal of Materials Chemistry A, 2021, 9, 24503-24509.	5.2	14
1150	Magnetic Energy Morphing, Capacitive Concept for Ni <sub>0.3</sub> Zn <sub>0.4</sub> Ca <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles Embedded in Graphene Oxide Matrix, and Studies of Wideband Tunable Microwave Absorption. ACS Applied Materials & amp: Interfaces. 2021. 13. 46967-46979.	4.0	23
1151	D-xylose-derived carbon microspheres modified by CuFe2O4 nanoparticles with excellent microwave absorption properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 26726-26739.	1.1	4
1152	A review of three-dimensional graphene networks for thermal management and electromagnetic protection. New Carbon Materials, 2021, 36, 851-868.	2.9	13
1153	Co, Ni-coordinated ZIF derived nitrogen doped carbon network with encapsulated alloy for microwave absorption. Diamond and Related Materials, 2021, 120, 108669.	1.8	5
1154	Tuning Dielectric Loss of SiO2@CNTs for Electromagnetic Wave Absorption. Nanomaterials, 2021, 11, 2636.	1.9	8
1155	Synthesis of three-dimensional porous netlike nitrogen-doped reduced graphene oxide/cerium oxide composite aerogels towards high-efficiency microwave absorption. Journal of Colloid and Interface Science, 2022, 608, 1212-1221.	5.0	44
1156	Heterointerface Engineering in Electromagnetic Absorbers: New Insights and Opportunities. Advanced Materials, 2022, 34, e2106195.	11.1	307

#	Article	IF	CITATIONS
1157	Effect of boron content on the microstructure and electromagnetic properties of SiBCN ceramics. Ceramics International, 2022, 48, 3037-3050.	2.3	8
1158	Kondo effect on the electrical transport properties of carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 096101.	0.2	1
1160	Evaluation of High Temperature on Microwave Reflectivity of Carbon-Fiber—Reinforced Cement-Based Composites. Journal of Testing and Evaluation, 2017, 45, 711-719.	0.4	0
1161	Chapter 7 Cement-Based Electromagnetic Functional Materials. , 2016, , 273-344.		0
1163	Interfacial interaction and Schottky contact of two-dimensional WS <sub>2</sub> /graphene heterostructure. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 097101.	0.2	9
1164	Video Information Propagation Interruption Monitoring System Based on Electromagnetic Interference. Advances in Intelligent Systems and Computing, 2020, , 1150-1157.	0.5	0
1165	Activated Carbon Derived from Carbonization of Kevlar Waste Materials: A Novel Single Stage Method. Materials, 2021, 14, 6433.	1.3	12
1166	Enhancement in Electromagnetic Wave Shielding Effectiveness through the Formation of Carbon Nanofiber Hybrids on Carbon-Based Nonwoven Fabrics. Nanomaterials, 2021, 11, 2910.	1.9	3
1167	Flexible hierarchical ZnO/AgNWs/carbon cloth-based film for efficient microwave absorption, high thermal conductivity and strong electro-thermal effect. Composites Part B: Engineering, 2022, 229, 109458.	5.9	57
1168	Fabrication of bimetallic metal-organic frameworks derived Fe3O4/C decorated graphene composites as high-efficiency and broadband microwave absorbers. Composites Part B: Engineering, 2022, 228, 109423.	5.9	89
1169	Preparation of FeNi/C composite derived from metal-organic frameworks as high-efficiency microwave absorbers at ultrathin thickness. Journal of Colloid and Interface Science, 2022, 606, 1918-1927.	5.0	54
1170	Two-dimensional nanomaterials for high-efficiency electromagnetic wave absorption: An overview of recent advances and prospects. Journal of Alloys and Compounds, 2022, 893, 162343.	2.8	115
1171	Optimizing the microwave absorption properties of core–shell NiO@FeNiMo nanocomposites by regulating the oxide shell thickness. Journal of Magnetism and Magnetic Materials, 2022, 544, 168669.	1.0	5
1172	Regulation of impedance matching feature and electronic structure of nitrogen-doped carbon nanotubes for high-performance electromagnetic wave absorption. Journal of Materials Science and Technology, 2022, 108, 1-9.	5.6	5
1173	Theoretical study on Schottky regulation of WSe <sub>2</sub> /graphene heterostructure doped with nonmetallic elements. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 117101.	0.2	4
1174	Electromagnetic interference shielding material for super-broadband: multi-walled carbon nanotube/silver nanowire film with an ultrathin sandwich structure. Journal of Materials Chemistry A, 2021, 9, 25999-26009.	5.2	23
1175	Developing electromagnetic functional materials for green building. Journal of Building Engineering, 2022, 45, 103496.	1.6	18
1176	Coal-based carbon/FeCo magnetic composites with layered stripes as novel light-weight microwave absorber. Diamond and Related Materials, 2021, 120, 108685.	1.8	6

#	Article	IF	CITATIONS
1177	Microwave absorption and magnetic properties of thin-film Fe3O4 @polypyrrole nanocomposites: The synthesis method effect. Synthetic Metals, 2021, 282, 116948.	2.1	9
1178	Polymer/graphene nanocomposites as versatile platforms for energy and electronic devices. , 2022, , 173-196.		0
1179	Enhanced electromagnetic shielding effectiveness of MWCNT/zinc-doped nickel ferrite nanocomposites. Ceramics International, 2022, 48, 5352-5360.	2.3	11
1180	Heterolayered Composite of Carbon Nanofibers Sandwiched between Poly(ethylene terephthalate) and Polyurethane for Flexible Electromagnetic Shielding Application. ACS Applied Nano Materials, 2021, 4, 12146-12157.	2.4	12
1181	Fabrication of segregated poly(arylene sulfide sulfone)/graphene nanoplate composites reinforced by polymer fibers for electromagnetic interference shielding. Nano Materials Science, 2022, 4, 285-293.	3.9	2
1182	Synthesis of trimanganese tetroxide nanoparticles decorated nitrogen-doped reduced graphene oxide composite aerogels with excellent microwave absorption performance. Diamond and Related Materials, 2021, 120, 108705.	1.8	5
1183	Facile fabrication of Nd <sub>2</sub> O <sub>2</sub> S/C nanocomposite with enhanced microwave absorption induced by defects. Journal of the American Ceramic Society, 2022, 105, 2082-2093.	1.9	27
1184	Synthesis of hierarchical porous nitrogen-doped reduced graphene oxide/zinc ferrite composite foams as ultrathin and broadband microwave absorbers. Journal of Colloid and Interface Science, 2022, 608, 2994-3003.	5.0	33
1185	Excellent microwave absorption of Fe3O4/Ag composites attained by synergy of considerable magnetic loss and dielectric loss. Ceramics International, 2022, 48, 5824-5830.	2.3	24
1186	Soft magnetic composites of carbon fibers decorated with magnetite in an epoxy matrix. Soft Materials, 2022, 20, S59-S67.	0.8	3
1187	Dimensional Design and Core–Shell Engineering of Nanomaterials for Electromagnetic Wave Absorption. Advanced Materials, 2022, 34, e2107538.	11.1	353
1188	Fabrication of Fe/Fe3C-nanoparticles encapsulated nitrogen-doped carbon nanotubes with thin wall thickness as high-efficiency electromagnetic wave absorbing materials. Journal of Alloys and Compounds, 2022, 898, 162833.	2.8	17
1189	Dielectric regulation of ultralight EG/bimetallic sulfide hybrids with boosted electromagnetic wave absorption properties. Composites Communications, 2022, 29, 101007.	3.3	4
1190	A review on one-dimensional carbon-based composites as electromagnetic wave absorbers. Journal of Materials Science: Materials in Electronics, 2022, 33, 567-584.	1.1	7
1191	Structure and electromagnetic properties of LBBS glass added M-type Sr ferrites for LTCC technology. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	1
1192	Lightweight N-doped C/ZnO composites prepared from zinc-based acrylate resin precursors for electromagnetic wave absorption at 2†18ÂGHz. Journal of Alloys and Compounds, 2022, 896, 162810.	2.8	6
1193	Electromagnetic Interference Shielding Performance of Flexible, Hydrophobic Honeycomb‧tructured Ag@Ti <sub>3</sub> C <sub>2</sub> T <i><sub>x</sub></i> Composites. Advanced Electronic Materials, 2022, 8, 2101028.	2.6	12
1194	Additive manufacturing of nanocellulose/polyborosilazane derived CNFs-SiBCN ceramic metamaterials for ultra-broadband electromagnetic absorption. Chemical Engineering Journal, 2022, 433, 133743.	6.6	30

#	Article	IF	Citations
1195	Nanocellulose-polysilazane single-source-precursor derived defect-rich carbon nanofibers/SiCN nanocomposites with excellent electromagnetic absorption performance. Carbon, 2022, 188, 349-359.	5.4	17
1196	Improved microwave absorption performance with negative permittivity of polyaniline in the Ku-band region. Chinese Journal of Physics, 2022, 75, 187-198.	2.0	4
1197	Enhanced electromagnetic wave absorption properties integrating diverse loss mechanism of 3D porous Ni/NiO microspheres. Journal of Alloys and Compounds, 2022, 897, 163227.	2.8	14
1198	Constructing three-dimensional reticulated carbonyl iron/carbon foam composites to achieve temperature-stable broadband microwave absorption performance. Carbon, 2022, 188, 376-384.	5.4	52
1199	Gradient FeNi-SiO2 films on SiC fiber for enhanced microwave absorption performance. Journal of Alloys and Compounds, 2022, 897, 163204.	2.8	25
1200	Bismuth telluride (Bi2Te3) nanoparticles as a brilliant microwave absorber: A new exploration. Journal of Alloys and Compounds, 2022, 899, 163271.	2.8	5
1201	Self-assembly of nano/microstructured 2D Ti3CNTx MXene-based composites for electromagnetic pollution elimination and Joule energy conversion application. Carbon, 2022, 189, 305-318.	5.4	55
1202	Research progress on nanostructure design and composition regulation of carbon spheres for the microwave absorption. Carbon, 2022, 189, 617-633.	5.4	77
1203	α-Fe2O3@CoFe2O4/GO nanocomposites for broadband microwave absorption by surface/interface effects. Journal of Alloys and Compounds, 2022, 900, 163340.	2.8	11
1204	Green building materials lit up by electromagnetic absorption function: A review. Journal of Materials Science and Technology, 2022, 112, 329-344.	5.6	86
1205	Synergism of Carbon Nanotubes and Graphene Nanoplates in Improving Underwater Sound Absorption Stability under High Pressure. ChemistrySelect, 2022, 7, .	0.7	5
1206	Reduced graphene oxide wrapped 3D-ultrathin CoS2 nanoflakes as an absorbing material with enhanced microwave absorption. Progress in Natural Science: Materials International, 2022, 32, 20-26.	1.8	13
1207	Co Nanoparticles Encapsulated in Carbon Nanotubes Decorated Carbon Aerogels Toward Excellent Microwave Absorption. Industrial & Engineering Chemistry Research, 2022, 61, 1684-1693.	1.8	6
1208	Microwave absorption properties of rare earth alloy Nd <sub>2</sub> Co <sub>17</sub> @C/Na <sub>2</sub> SiO <sub>3</sub> composite at elevated temperature (293–723 K) in the X band. Journal Physics D: Applied Physics, 2022, 55, 155002.	1.3	5
1209	The smallest anions, induced porosity and graphene interfaces in C12A7:e <sup>â^'</sup> electrides: a paradigm shift in electromagnetic absorbers and shielding materials. Journal of Materials Chemistry C, 2022, 10, 969-982.	2.7	10
1210	Enhanced electrical property of graphite/Al2O3 composite fabricated by reductive sintering of gel-casted body using cross-linked epoxy polymer. Journal of Advanced Ceramics, 2022, 11, 523-531.	8.9	10
1211	Ni@CNTs/Al <sub>2</sub> O <sub>3</sub> Ceramic Composites with Interfacial Solder Strengthen the Segregated Network for High Toughness and Excellent Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2022, 14, 4443-4455.	4.0	20
1212	Facile Fabrication of PBS/CNTs Nanocomposite Foam for Electromagnetic Interference Shielding. ChemPhysChem, 2021, , .	1.0	11

#	Article	IF	CITATIONS
1213	Lightweight TiO <sub>2</sub> @C/Carbon Fiber Aerogels Prepared from Ti <sub>3</sub> C <sub>2</sub> T <sub><i>x</i></sub> /Cotton for High-Efficiency Microwave Absorption. Langmuir, 2022, 38, 945-956.	1.6	19
1214	Efficient single and bi-layer absorbers of CaTiO3 micro-cubes and polypyrrole nanotubes composites for enhanced microwave absorption in X and Ku band. Ceramics International, 2022, 48, 11953-11961.	2.3	5
1215	All eramic Coding Metastructure for Highâ€Temperature RCS Reduction. Advanced Engineering Materials, 0, , 2101503.	1.6	1
1216	Nanoporous resorcinol-formaldehyde based carbon aerogel for lightweight and tunable microwave absorption. Materials Chemistry and Physics, 2022, 278, 125718.	2.0	7
1217	Evaluation, fabrication and dynamic performance regulation of green EMI-shielding materials with low reflectivity: A review. Composites Part B: Engineering, 2022, 233, 109652.	5.9	108
1218	Tailoring the internal structure of porous copper film via size-controlled copper nanosheets for electromagnetic interference shielding. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 278, 115611.	1.7	5
1219	Rational design of three-dimensional boron and nitrogen co-doped carbon nanotubes encapsulated with nickel nanoparticles composite for enhance electromagnetic wave absorbing. Applied Surface Science, 2022, 583, 152505.	3.1	10
1220	Fabrication of ultralight nitrogen-doped reduced graphene oxide/nickel ferrite composite foams with three-dimensional porous network structure as ultrathin and high-performance microwave absorbers. Journal of Colloid and Interface Science, 2022, 614, 110-119.	5.0	57
1221	Fabrication of bimetallic metal–organic frameworks derived cobalt iron alloy@carbon–carbon nanotubes composites as ultrathin and high-efficiency microwave absorbers. Journal of Colloid and Interface Science, 2022, 613, 477-487.	5.0	39
1222	ZnO/nitrogen-doped carbon nanocomplex with controlled morphology for highly efficient electromagnetic wave absorption. Journal of Materials Science and Technology, 2022, 114, 206-214.	5.6	33
1223	Entropy-driven phase regulation of high-entropy transition metal oxide and its enhanced high-temperature microwave absorption by in-situ dual phases. Journal of Materials Science and Technology, 2022, 116, 11-21.	5.6	26
1224	Achieving superior GHz-absorption performance in VB-group laminated VS2 microwave absorber with dielectric and magnetic synergy effects. Advanced Composites and Hybrid Materials, 2022, 5, 2317-2327.	9.9	24
1225	Predicting Percolation Threshold Value of EMI SE for Conducting Polymer Composite Systems Through Different Sigmoidal Models. Journal of Electronic Materials, 2022, 51, 1788-1803.	1.0	4
1226	Dielectric Loss Mechanism in Electromagnetic Wave Absorbing Materials. Advanced Science, 2022, 9, e2105553.	5.6	422
1227	Design of 3D lightweight Ti3C2T MXene porous film with graded holes for efficient electromagnetic interference shielding performance. Ceramics International, 2022, 48, 14578-14586.	2.3	14
1228	Synthesis and Wave Absorption Characterization of Sic Nanowires/Expanded Graphite Composites. SSRN Electronic Journal, 0, , .	0.4	0
1229	Three-DimensionalÂNetwork Feni/C Composites with Excellent Microwave-Absorbing Properties. SSRN Electronic Journal, 0, , .	0.4	0
1230	FeNi alloy and nickel ferrite codoped carbon hollow microspheres for high-efficiency microwave absorption. Journal of Materials Chemistry C, 2022, 10, 6085-6097.	2.7	16

#	Article	IF	CITATIONS
1231	Optical and electromagnetic absorption features of hierarchical pampon and cauliflower-like magneto/dielectric composite based absorber for C and X bands application. Ceramics International, 2022, 48, 16280-16289.	2.3	1
1232	Metal–Organic Framework-Derived Core–Shell Nanospheres Anchored on Fe-Filled Carbon Nanotube Sponge for Strong Wideband Microwave Absorption. ACS Applied Materials & Interfaces, 2022, 14, 10577-10587.	4.0	64
1233	Development of high-efficient double-layer microwave absorbers based on 3D cabbage-like CoFe2O4 and cauliflower-like polypyrrole. Ceramics International, 2022, 48, 16374-16385.	2.3	12
1234	Investigation of the Effect of Pretreatment of the Carbon Fiber Surface on the Continuity of the Sol-Gel Coating. Key Engineering Materials, 0, 910, 49-54.	0.4	0
1235	Enhanced electromagnetic interference shielding effectiveness of h-BN decorated micro cube-like CaTiO3/Cu nanocomposite. Ceramics International, 2022, 48, 8529-8539.	2.3	10
1236	Fabrication of Conductive, High Strength and Electromagnetic Interference (EMI) Shielded Green Composites Based on Waste Materials. Polymers, 2022, 14, 1289.	2.0	4
1237	Preparation and Electromagnetic Absorption Properties of Fe73.2Si16.2B6.6Nb3Cu1 Nanocrystalline Powder. Materials, 2022, 15, 2558.	1.3	3
1238	Ultra-high conductive graphene assembled film for millimeter wave electromagnetic protection. Science Bulletin, 2022, 67, 1122-1125.	4.3	12
1239	Molecular dynamic simulation on temperature evolution of SiC under directional microwave radiation. Journal of Physics Condensed Matter, 2022, 34, 195701.	0.7	1
1240	Structural, electronic and electrical conduction behaviour of Gd3+ doped Ca2â <sup>~2</sup> xY2O5 metal oxide ceramic synthesised by solid state reaction method. Journal of the Australian Ceramic Society, 2022, 58, 683-697.	1.1	0
1241	Functional Polyaniline/MXene/Cotton Fabrics with Acid/Alkali-Responsive and Tunable Electromagnetic Interference Shielding Performances. ACS Applied Materials & Interfaces, 2022, 14, 12703-12712.	4.0	58
1242	Flexible Electromagnetic Shielding Material Using Multi-Walled Carbon Nanotube Coated Cotton Fabric. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 479-488.	1.4	1
1243	Fe3O4 nanoparticles decorated flexible carbon foam for efficient electromagnetic interference shielding. Ceramics International, 2022, 48, 19452-19459.	2.3	20
1244	Dual gradient direct ink writing of functional geopolymer-based carbonyl-iron/graphene composites for adjustable broadband microwave absorption. Ceramics International, 2022, 48, 9277-9285.	2.3	22
1245	Introducing graphite nanosheets to change the microscopic morphology of CoS nanoparticles to obtain ultra-thin and excellent electromagnetic wave absorption performance. Diamond and Related Materials, 2022, 124, 108913.	1.8	5
1246	Highly ordered mesoporous 1T' MoTe2/m-SiO2 composite as efficient microwave absorber. Microporous and Mesoporous Materials, 2022, , 111894.	2.2	3
1247	Flexible magnetoelectric coupling nanocomposite films with multilayer network structure for dual-band EMI shielding. Composites Science and Technology, 2022, 222, 109387.	3.8	14
1248	In-situ synthesis method of three-dimensional silicon/reduced graphene oxide semiconductor nanohybrids for efficient electromagnetic absorption. Composites Science and Technology, 2022, 222, 109396.	3.8	9

#	Article	IF	Citations
1249	Binary hybrid filler composite formulations of surface modified Fe–Si–Al alloys for multifunctional EMI shielding and thermal conduction. Materials Chemistry and Physics, 2022, 284, 126024.	2.0	3
1250	Ultrathin cellulose nanofiber/carbon nanotube/Ti3C2T film for electromagnetic interference shielding and energy storage. Carbohydrate Polymers, 2022, 286, 119302.	5.1	24
1251	Ni/NiO/SiO2/C nanofibers with strong wideband microwave absorption and robust hydrophobicity. Applied Surface Science, 2022, 588, 152964.	3.1	32
1252	xmins:mmi="http://www.w3.org/1998/Wath/Wath/ML" altimg="si0005.svg"> <mmi:mrow><mmi:mi mathvariant="normal"&gt;Zn<mmi:msub><mmi:mrow><mmi:mi mathvariant="normal"&gt;Fe</mmi:mi </mmi:mrow><mmi:mrow><mmi:mn>2</mmi:mn></mmi:mrow>mathvariant="normal"&gt;O</mmi:msub></mmi:mi </mmi:mrow> <mmi:mrow><mmi:mn>4</mmi:mn></mmi:mrow> <td>ıb<b>∞:®</b>nml:ı b&gt; <td>ns<b>uo</b>&gt;<mmla nrow&gt;</mmla </td></td>	ıb <b>∞:®</b> nml:ı b> <td>ns<b>uo</b>&gt;<mmla nrow&gt;</mmla </td>	ns <b>uo</b> > <mmla nrow&gt;</mmla 
1253	Spinel ferrite as a function of frequency and temperature Journal of Moys and Compounds, 2022, The evaluation of microstructure of carbon/carbon composites generated by ultra-high temperature treatment towards excellent electromagnetic interference shielding property. Carbon, 2022, 193, 128-139.	5.4	13
1254	Three-dimensional network FeNi/C composites with excellent microwave-absorbing properties. Journal of Alloys and Compounds, 2022, 906, 164301.	2.8	22
1255	Controllable graphitization degree of carbon foam bulk toward electromagnetic wave attenuation loss behavior. Journal of Colloid and Interface Science, 2022, 618, 129-140.	5.0	39
1256	Applications of cellulose-based composites and their derivatives for microwave absorption and electromagnetic shielding. Carbohydrate Polymers, 2022, 287, 119347.	5.1	23
1257	Graphene oxide supported YolkÂâ~'ÂShell ZnS/Ni3S4 with the adjustable air layer for high performance of electromagnetic wave absorber. Journal of Colloid and Interface Science, 2022, 617, 620-632.	5.0	10
1258	A Robust Hierarchical MXene/Ni/Aluminosilicate Class Composite for Highâ€Performance Microwave Absorption. Advanced Science, 2022, 9, e2104163.	5.6	29
1259	Tunable microwave absorption and shielding effectiveness in the nanocomposite of 3D hierarchical flower-like Co3O4 and rod-like polyindole. Journal of Magnetism and Magnetic Materials, 2022, 555, 169363.	1.0	17
1262	Ti <sub>3</sub> C <sub>2</sub> T <sub><i>x</i></sub> /rGO aerogel towards high electromagnetic wave absorption and thermal resistance. CrystEngComm, 2022, 24, 4556-4563.	1.3	13
1263	Novel MOF-derived 3D hierarchical needlelike array architecture with excellent EMI shielding, thermal insulation and supercapacitor performance. Nanoscale, 2022, 14, 7322-7331.	2.8	69
1264	A Dual-Band Transceiver with Excellent Heat Insulation Property for Microwave Absorption and Low Infrared Emissivity Compatibility. SSRN Electronic Journal, 0, , .	0.4	0
1265	Formation of Sn filled CNTs nanocomposite: Study of their magnetic, dielectric properties and enhanced microwave absorption performance at gigahertz frequencies. Ceramics International, 2022, 48, 21961-21971.	2.3	5
1266	Correct establishment of structure–activity relationship of flexible electromagnetic wave absorber. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	Ο
1267	Ti3C2Tx-coated diatom frustules-derived porous SiO2 composites with high EMI shielding and mechanical properties. Ceramics International, 2022, 48, 22845-22853.	2.3	3
1268	Resource utilization of coal hydrogasification residue to Ni/carbon-based composites for efficient microwave absorption. Journal of Materials Science: Materials in Electronics, 2022, 33, 12857-12870.	1.1	4

#	Article	IF	CITATIONS
1269	In-situ grown CNTs decorated SiCNWs for enhancing electromagnetic wave absorption efficiency. Journal of Hazardous Materials Advances, 2022, 6, 100079.	1.2	2
1270	Electromagnetic Interference Shielding by Reduced Graphene Oxide Foils. ACS Applied Nano Materials, 2022, 5, 6792-6800.	2.4	13
1271	Preparation of bunched CeO2 and study on microwave absorbing properties with MWCNTs binary composite. Particuology, 2023, 73, 95-102.	2.0	5
1272	Polymeric blends and nanocomposites for high performance EMI shielding and microwave absorbing applications. Composite Interfaces, 2022, 29, 1505-1547.	1.3	10
1273	Improved electromagnetic wave absorbing performance of PDCs-SiCN(Ni) fibers with different nickel content. Ceramics International, 2022, 48, 23578-23589.	2.3	16
1274	Graphene-wrapped multiloculated nickel ferrite: A highly efficient electromagnetic attenuation material for microwave absorbing and green shielding. Nano Research, 2022, 15, 6751-6760.	5.8	100
1275	High Dielectric Fe <sub>3</sub> O <sub>4</sub> and Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Deposited on Graphite Nanosheets for Electromagnetic Wave Absorption. ACS Applied Nano Materials, 2022, 5, 7208-7216.	2.4	7
1276	Biomass carbon materials with porous array structures derived from soybean dregs for effective electromagnetic wave absorption. Diamond and Related Materials, 2022, 126, 109054.	1.8	17
1277	High-performance electromagnetic interference shielding and thermoelectric conversion derived from multifunctional Bi2Te2.7Se0.3/MXene composites. Carbon, 2022, 196, 243-252.	5.4	18
1278	Hollow nitrogen-doped carbon nanofibers filled with MnO2 nanoparticles/nanosheets as high-performance microwave absorbing materials. Carbon, 2022, 196, 49-58.	5.4	45
1279	Collaboratively intercalated 1D/3D carbon nanoarchitectures in rGO-based aerogel for supercapacitor electrodes with superior capacitance retention. Applied Surface Science, 2022, 596, 153566.	3.1	5
1280	Regulating bifunctional flower-like NiFe2O4/graphene for green EMI shielding and lithium ion storage. Journal of Materials Science and Technology, 2022, 127, 48-60.	5.6	86
1281	Electromagnetic wave absorbing properties of coconut shell-derived nanocomposite. Carbon, 2022, 196, 354-364.	5.4	26
1282	Synthesis and wave absorption characterization of SiC nanowires/expanded graphite composites. Carbon, 2022, 196, 540-551.	5.4	25
1283	Development of high-efficient tri-layer microwave absorbers based on fabricated SrFe12O19 with polygonal, rod, and porous ball-like morphologies. Surfaces and Interfaces, 2022, , 102065.	1.5	0
1284	Flexible TiN/Co@Carbon nanofiber mats for high-performance electromagnetic interference shielding and Joule heating applications. Carbon, 2022, 196, 612-620.	5.4	22
1285	High-strength, flexible and superhydrophobic graphene/aramid nanofiber nanocomposite films for electromagnetic interference shielding application. Ceramics International, 2022, 48, 26013-26021.	2.3	7
1286	Dielectric and electromagnetic properties of amorphous PDCs-Si(Al)CNO with different Al contents in X-band. Ceramics International, 2022, , .	2.3	0

#	Article	IF	CITATIONS
1287	Multi-interfacial magnetic carbon nanotubes encapsulated hydrangea-like NiMo/MoC/N-doped carbon composites for efficient microwave absorption. Carbon, 2022, 196, 828-839.	5.4	54
1288	Broadband electromagnetic wave absorbing performance by designing the foam structure and double-layer for cement-based composites containing MWCNTs. Cement and Concrete Composites, 2022, 131, 104595.	4.6	17
1289	Enhanced dielectric and electrostatic energy density of electronic conductive organic-metal oxide frameworks at ultra-high frequency. Carbon, 2022, 196, 749-762.	5.4	13
1290	Layered double hydroxides derived 3D flower-like FeNi@C microspheres as lightweight and high-efficient electromagnetic wave absorber. Carbon, 2022, 196, 639-648.	5.4	27
1291	Multilayer intercalation: MXene/cobalt ferrite electromagnetic wave absorbing two-dimensional materials. Journal of Physics and Chemistry of Solids, 2022, 168, 110797.	1.9	11
1292	Broadband absorption of macro pyramid structure based flame retardant absorbers. Journal of Materials Science and Technology, 2022, 128, 228-238.	5.6	28
1293	Direct Ink Writing of Expanded Graphite Doped Sioc Metamaterials for Enhanced Microwave Absorption. SSRN Electronic Journal, 0, , .	0.4	0
1294	A dual-band transceiver with excellent heat insulation property for microwave absorption and low infrared emissivity compatibility. Chemical Engineering Journal, 2022, 446, 137279.	6.6	99
1295	Low-Frequency Broadband Absorbing Coatings Based on MOFs: Design, Fabrication, Microstructure and Properties. Coatings, 2022, 12, 766.	1.2	8
1296	Light-weight, low-loading and large-sheet reduced graphene oxide for high-efficiency microwave absorber. Carbon, 2022, 196, 1024-1034.	5.4	24
1297	Metal-coordination-driven self-assembly synthesis of porous iron/carbon composite for high-efficiency electromagnetic wave absorption. Journal of Colloid and Interface Science, 2022, 623, 1002-1014.	5.0	14
1298	The art of framework construction: hollow-structured materials toward high-efficiency electromagnetic wave absorption. Advanced Composites and Hybrid Materials, 2022, 5, 1658-1698.	9.9	94
1299	Effect of particle size on dielectric and microwave absorption properties of starch-derived micron-carbon spheres. Journal of Materials Science: Materials in Electronics, 2022, 33, 16488-16500.	1.1	3
1300	Tailoring of EMI shielding properties of polyaniline with MWCNTs embedment in X-band (8.2–12.4ÂGHz). Journal of Physics and Chemistry of Solids, 2022, 169, 110867.	1.9	12
1301	Recyclable magnetic carbon foams possessing voltage-controllable electromagnetic shielding and oil/water separation. Carbon, 2022, 197, 570-578.	5.4	15
1302	A laminated carbon nanotubes/silicon boron carbonitride film for high-efficiency electromagnetic interference shielding with oxidation resistance. Carbon, 2022, 197, 65-75.	5.4	11
1303	Synthesis of tetragonal copper-nickel ferrite decorated nitrogen-doped reduced graphene oxide composite as a thin and high-efficiency electromagnetic wave absorber. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129411.	2.3	14
1304	N-doped carbon nanofiber embedded with TiN nanoparticles: A type of efficient microwave absorbers with lightweight and wide-bandwidth. Journal of Alloys and Compounds, 2022, 920, 165791.	2.8	6

#	Article	IF	CITATIONS
1305	Multifunctional aramid nanofibers reinforced RGO aerogels integrated with high-efficiency microwave absorption, sound absorption and heat insulation performance. Journal of Materials Science and Technology, 2022, 130, 166-175.	5.6	45
1306	TiN/BN composite with excellent thermal stability for efficiency microwave absorption in wide temperature spectrum. Journal of Materials Science and Technology, 2022, 130, 249-255.	5.6	39
1307	Microwave absorption of ferrite/carbon nanocomposites. , 2022, , 435-519.		0
1308	Ultrathin and flexible hybrid films decorated by copper nanoparticles with a sandwich-like structure for electromagnetic interference shielding. Materials Chemistry Frontiers, 2022, 6, 2256-2265.	3.2	9
1309	Remarkable Magnetic Exchange Coupling via Constructing Biâ€Magnetic Interface for Broadband Lowerâ€Frequency Microwave Absorption. Advanced Functional Materials, 2022, 32, .	7.8	82
1310	Ceramic-based electromagnetic wave absorbing materials and concepts towards lightweight, flexibility and thermal resistance. International Materials Reviews, 2023, 68, 487-520.	9.4	19
1311	Studies on the dielectric and magnetic properties of neodymium-doped nickel ferrite for microwave absorption. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	2
1312	Fabrication of rectangular zirconium dioxide nanoparticles decorated reduced graphene oxide nanocomposites as thin and high-efficiency electromagnetic wave absorbers. Diamond and Related Materials, 2022, 128, 109232.	1.8	2
1313	Influence of interfacial aspects on electromagnetic interference shielding performance of graphene reinforced nanocomposites: an overview. Composite Interfaces, 2022, 29, 1373-1396.	1.3	4
1314	Reduced graphene oxide@carbon sphere based metacomposites for temperature-insensitive and efficient microwave absorption. Nano Research, 2022, 15, 8546-8554.	5.8	54
1315	A Review on Grapheneâ€Based Electromagnetic Functional Materials: Electromagnetic Wave Shielding and Absorption. Advanced Functional Materials, 2022, 32, .	7.8	165
1316	Joule-heated flexible carbon composite towards the boosted electromagnetic wave shielding properties. Advanced Composites and Hybrid Materials, 2022, 5, 3012-3022.	9.9	25
1317	Quantitative Evaluation of Loss Capability for In Situ Conductive Phase Enhanced Microwave Absorption of Highâ€Entropy Transition Metal Oxides. Advanced Functional Materials, 2022, 32, .	7.8	26
1318	A high-thermal-stability, fully spray coated multilayer thin-film graphene/polyamide-imide nanocomposite strain sensor for acquiring high-frequency ultrasonic waves. Composites Science and Technology, 2022, 227, 109628.	3.8	4
1319	Heterostructure design of carbon fiber@graphene@layered double hydroxides synergistic microstructure for lightweight and flexible microwave absorption. Carbon, 2022, 197, 466-475.	5.4	63
1320	Designing of semiconductive cotton fabrics based on poly (propynyl benzo thiazolone) with UV protection and antibacterial properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 283, 115857.	1.7	3
1321	Excellent microwave absorption of lightweight PAN-based carbon nanofibers prepared by electrospinning. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 651, 129670.	2.3	12
1322	Recent progress in MXene and graphene based nanocomposites for microwave absorption and electromagnetic interference shielding. Arabian Journal of Chemistry, 2022, 15, 104143.	2.3	21

#	Article	IF	CITATIONS
1323	Ultrathin self-assembly MXene/Co-based bimetallic oxide heterostructures as superior and modulated microwave absorber. Journal of Materials Science and Technology, 2023, 134, 132-141.	5.6	44
1324	Highly conductive and flexible electromagnetic shielding film obtained by molding an expanded graphite/silver/sodium alginate aerogel. Diamond and Related Materials, 2022, 128, 109264.	1.8	2
1325	Reduced graphene oxide(rGO)-Ferrite composite inks and their printed meta-structures as an adaptable EMI shielding material. Composite Interfaces, 2023, 30, 301-321.	1.3	4
1326	A novel donuts-like CoO hollow nanostructure intertwined with MWCNTs as a high-efficiency electromagnetic wave absorber. Ceramics International, 2022, , .	2.3	Ο
1327	Advances in core—shell engineering of carbon-based composites for electromagnetic wave absorption. Nano Research, 2022, 15, 9410-9439.	5.8	81
1328	CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles Grown within Porous Al <sub>2</sub> O <sub>3</sub> and Immobilized on Graphene Nanosheets: A Hierarchical Nanocomposite for Broadband Microwave Absorption. ACS Omega, 2022, 7, 28624-28635.	1.6	7
1329	Microwave-Assisted Photocatalytic Degradation of Organic Pollutants via CNTs/TiO2. Catalysts, 2022, 12, 940.	1.6	9
1330	Flexible carbon fiber-based composites for electromagnetic interference shielding. Rare Metals, 2022, 41, 3612-3629.	3.6	37
1331	Sustainable Utilization of Solid Waste Fly Ash for Fabrication of CoNi@FA as Microwave Absorbent. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	0.8	2
1332	Three-dimensional reduction graphene oxide (rGO) supported ScFeO3 for enhancing microwave absorption properties. Materials Characterization, 2022, 191, 112168.	1.9	8
1333	Enhanced Electromagnetic Absorption of Cement Composites by Controlling the Effective Cross-sectional Area of MXene Flakes with Diffuse Reflection Based on Carbon Fibers. Construction and Building Materials, 2022, 348, 128711.	3.2	3
1334	The influence of ambient temperature and X-band frequency on EMI shielding performance of graphene/silica nanocomposites. Mechanics of Materials, 2022, 173, 104419.	1.7	5
1335	Piezoelectricity enhancement in graphene/polyvinylidene fluoride composites due to graphene-induced αÂ→Âβ crystal phase transition. Energy Conversion and Management, 2022, 269, 116121.	4.4	13
1336	Synergistic enhancement of thermal conduction and microwave absorption of silica films based on graphene/chiral PPy/Al2O3 ternary aerogels. Carbon, 2022, 199, 1-12.	5.4	26
1337	Achieving electromagnetic wave absorption capabilities by fabrication of flower-like structure NiCo2O4 derived from low-temperature co-precipitation. Vacuum, 2022, 205, 111493.	1.6	11
1338	Trimetallic Prussian blue analogue derived FeCo/FeCoNi@NPC composites for highly efficient microwave absorption. Composites Part B: Engineering, 2022, 246, 110268.	5.9	35
1339	Synergistic effect of tuning nanocomposite morphology, composition and layer arrangement for boosting microwave dissipation performance. Journal of Magnetism and Magnetic Materials, 2022, 563, 169955.	1.0	1
1340	Interface engineering to regulate hollow one-dimensional N-doped Carbon@ZnO nanocomposite for boosting electromagnetic wave absorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 654, 130156.	2.3	1

#	Article	IF	CITATIONS
1341	Strategic Design Rgo Foam Composites Towards Excellent Electromagnetic Shielding Performance, Good Thermal Management Ability and Flame Retardancy. SSRN Electronic Journal, 0, , .	0.4	0
1342	Molecular engineering guided dielectric resonance tuning in derived carbon materials. Journal of Materials Chemistry C, 2022, 10, 12257-12265.	2.7	45
1343	Facile synthesis of a 2D multilayer core–shell MnO <sub>2</sub> @LDH@MMT composite with a nanoflower shape for electromagnetic wave absorption. CrystEngComm, 2022, 24, 6546-6557.	1.3	11
1344	Strategic Design Rgo Foam Composites Towards Excellent Electromagnetic Shielding Performance, Good Thermal Management Ability and Flame Retardancy. SSRN Electronic Journal, 0, , .	0.4	0
1345	Controllable Preparation and Pore-Size-Dependent Microwave Absorption Performance of Three-Dimensional Ordered Macroporous Mxene Foam. SSRN Electronic Journal, 0, , .	0.4	0
1346	Multifunctional elastic rGO hybrid aerogels for microwave absorption, infrared stealth and heat insulation. Chemical Engineering Journal, 2023, 452, 139376.	6.6	42
1347	Recent progress on high temperature radar absorbing coatings (RACs): a review. Critical Reviews in Solid State and Materials Sciences, 0, , 1-28.	6.8	3
1348	Recent advance in three-dimensional porous carbon materials for electromagnetic wave absorption. Science China Materials, 2022, 65, 2911-2935.	3.5	25
1349	Autogenous and Tunable CNTs for Enhanced Polarization and Conduction Loss Enabling Sea Urchin-Like Co <sub>3</sub> ZnC/Co/C Composites with Excellent Microwave Absorption Performance. ACS Applied Materials & Interfaces, 2022, 14, 41246-41256.	4.0	26
1350	Role of carbonaceous fillers in electromagnetic interference shielding behavior of polymeric composites: A review. Polymer Composites, 2022, 43, 7701-7723.	2.3	27
1351	Enhancement of microwave absorption properties of bilayer absorber comprising of ZrB2@SiO2 composite and poly-ortho toluidine (PoTo) in 2–18ÂCHz frequency. Ceramics International, 2023, 49, 4505-4516.	2.3	5
1352	Simple preparation and microwave absorption of TERGO/ZnO porous composites. Materials Today Communications, 2022, 33, 104494.	0.9	1
1353	Magnetic Field Influence on the Microwave Characteristics of Composite Samples Based on Polycrystalline Y-Type Hexaferrite. Polymers, 2022, 14, 4114.	2.0	3
1354	Synthesis and characterization of microporous carbon matrix enriched by MnO2 nanoparticles. Journal of Materials Science: Materials in Electronics, 2022, 33, 25846-25860.	1.1	0
1355	In Situ Derived Porous CoNi@Mo <sub>2</sub> C-CNT Composites for Excellent Electromagnetic Wave Absorption Properties. Crystal Growth and Design, 2022, 22, 7339-7348.	1.4	4
1356	SiC Nanowire Mesh in High-Porosity Silicon Foam for Enhanced Electromagnetic Wave Absorption. ACS Applied Nano Materials, 2022, 5, 16061-16069.	2.4	3
1357	Facile Synthesis of Metal Oxide Decorated Carbonized Bamboo Fibers with Wideband Microwave Absorption. ACS Omega, 2022, 7, 39019-39027.	1.6	4
1358	Synthesis and electromagnetic wave absorption properties of Gd-Co ferrite@carbon core–shell structure composites. Rare Metals, 2023, 42, 254-262.	3.6	9

#	Article	IF	CITATIONS
1359	Effect of Cr3+–Al3+ co-substitution on structural, magnetic and microwave absorption properties of Sr-hexaferrites. Journal of Materials Science: Materials in Electronics, 2022, 33, 26113-26123.	1.1	3
1360	Temperature denpendent microwave absorption properties of SrFe12O19 in X-band. Frontiers in Materials, 0, 9, .	1.2	1
1361	Molten salt guided synthesis of carbon Microfiber/FeS dielectric/magnetic composite for microwave absorption application. Carbon, 2023, 202, 225-234.	5.4	19
1362	Self-Healing Nanocomposites with Carbon Nanotube/Graphene/Fe <sub>3</sub> O <sub>4</sub> Nanoparticle Tricontinuous Networks for Electromagnetic Radiation Shielding. ACS Applied Nano Materials, 2022, 5, 16423-16439.	2.4	11
1363	PANI/CFO@CNTs ternary composite system for EMI shielding applications. Journal of Magnetism and Magnetic Materials, 2022, 563, 170037.	1.0	2
1364	Hierarchical carbon fiber reinforced SiC/C aerogels with efficient electromagnetic wave absorption properties. Composites Part B: Engineering, 2023, 248, 110376.	5.9	27
1365	In situ construction of hierarchical core-shell SiCnws@SiO2-carbon foam hybrid composites with enhanced polarization loss for highly efficient electromagnetic wave absorption. Carbon, 2023, 202, 103-111.	5.4	36
1366	lsotropic porous graphite foam/epoxy composites with outstanding heat dissipation and excellent electromagnetic interference shielding performances. Chemical Engineering Journal, 2023, 452, 139665.	6.6	7
1367	A resistance heating assisted free space method to measure temperature-dependent electromagnetic properties of carbon fiber reinforced polymer composites. Polymer Testing, 2023, 117, 107850.	2.3	1
1368	Synthesis of FeCoNi/C decorated graphene composites derived from trimetallic metal-organic framework as ultrathin and high-performance electromagnetic wave absorbers. Journal of Colloid and Interface Science, 2023, 630, 754-762.	5.0	53
1369	Tuning the electromagnetic shielding mechanism with nitrogenâ€doped graphene aerogels. ChemNanoMat, 0, , .	1.5	1
1370	Comprehensive study of electromagnetic wave absorption properties of GdMnO3-MoSe2 hybrid composites. Ceramics International, 2022, , .	2.3	1
1371	An overview of C-SiC microwave absorption composites serving in harsh environments. Journal of the European Ceramic Society, 2023, 43, 1237-1254.	2.8	21
1372	Core–shell nanowires comprising silver@polypyrrole-derived pyrolytic carbon for high-efficiency microwave absorption. Journal of Materials Science, 2022, 57, 20672-20684.	1.7	3
1373	Structure-property relationship of carbonized needlepunched nonwovens for electromagnetic interference shielding and ohmic heating applications. Synthetic Metals, 2023, 292, 117220.	2.1	4
1374	Construction of porous carbon-based magnetic composites derived from iron zinc bimetallic metal-organic framework as broadband and high-efficiency electromagnetic wave absorbers. Journal of Colloid and Interface Science, 2023, 633, 43-52.	5.0	40
1375	A universal approach to â€~host' carbon nanotubes on a charge triggered â€~guest' interpenetrating polymer network for excellent â€~green' electromagnetic interference shielding. Nanoscale, 2023, 15, 1373-1391.	2.8	3
1376	Scalable manufacturing of light, multifunctional cellulose nanofiber aerogel sphere with tunable microstructure for microwave absorption. Carbon, 2023, 203, 181-190.	5.4	18

ARTICLE IF CITATIONS In situ construction of Co@nitrogen-doped carbon/Ni nanocomposite for broadband electromagnetic 1377 5.4 57 wave absorption. Carbon, 2023, 203, 416-425. MOFs derived Fe/Co/C heterogeneous composite absorbers for efficient microwave absorption. 1378 2.1 Synthetic Metals, 2023, 292, 117229. Construction of Bi2S3/rGO heterointerfaces for enhanced and tunetable electromagnetic wave 1379 3.3 3 absorption. Composites Communications, 2023, 37, 101433. Nanowires/nanohelices hybrid carbon aerogels as the lightweight and hydrophobic microwave absorbers with excellent electrothermal properties. Carbon, 2023, 204, 7-16. Progress and roadmap for graphene films in electromagnetic interference shielding., 2023, 2, 11-38. 1381 3 Cerium modified (BiFeO3)0.5 – (MgTiO3)0.5 ceramics: Structural, microstructural, dielectric, transport and optical properties. Journal of Molecular Structure, 2023, 1276, 134765. 1.8 Carbon Nanotubes: Smart Materials for the Active Elimination of Electromagnetic Interference. 1383 0.7 0 Iranian Journal of Science and Technology, Transaction A: Science, 2022, 46, 1749-1760. æå£³ç»"æž"LaOCl/LaFeO3纳ς±³ç⁰≅, ´çš,阻抗匹é…设è®jåŠå…¶ç"µç£å波性èf½ç"ç©¶. Science China.Materials, 2023 1384 Hollow Spheres of Ti<sub>3</sub>C<sub>2</sub>T<sub><i>x</i></sub> with a Nanometer-Thick Wall 1385 2.4 7 for High-Performance Microwave Absorption. ACS Applied Nano Materials, 2022, 5, 18488-18499. Compositional manipulation in hybrid metal Sulfide nanocomposite: An effective strategy to boost the 2.3 electromagnetic wave dissipation performance. Ceramics International, 2023, 49, 11423-11432. Review and Perspective of Tailorable <scp>Metalâ€Organic</scp> Framework for Enhancing Microwave 1387 10 2.6 Absorption. Chinese Journal of Chemistry, 2023, 41, 1080-1098. Fabrication of thin and lightweight cobalt-coated quartz fiber/aluminosilicate composites for 1388 2.3 high-temperature microwave absorption. Ceramics International, 2023, 49, 13586-13600. Development of milled carbon fibre-based GFRP composites and their effect on microwave and 1389 0.8 0 structural properties. Bulletin of Materials Science, 2022, 45, . Optical and Dispersion Energy Parameters of PS/Ag Nanocomposite Foils and Their Antibacterial Activity Against MDR Bacteria. Brazilian Journal of Physics, 2023, 53, . Evolution of microwave transmission decay in glass fiber reinforce epoxy composite induced by laser 1391 0 ablation carbonization., 2022,,. Optimization of electroâ€blown polysulfone nanofiber mats for air filtration applications. Polymer 1392 Engineering and Science, 2023, 63, 723-737. Fabrication of a flexible microwave absorber sheet based on a composite filler with fly ash as the 1393 core filled silicone rubber. International Journal of Minerals, Metallurgy and Materials, 2023, 30, 2.4 6 548-558. Ultralight pyrolytic carbon foam reinforced with amorphous carbon nanotubes for broadband 1394 electromagnetic absorption. International Journal of Minerals, Metallurgy and Materials, 2023, 30, 2.4

#	Article	IF	CITATIONS
1395	Salt-assisted pyrolysis of carbon nanosheet and carbon nanoparticle hybrids for efficient microwave absorption. Journal of Materials Chemistry C, 2023, 11, 2941-2948.	2.7	7
1396	Flexible and ultrathin dopamine modified MXene and cellulose nanofiber composite films with alternating multilayer structure for superior electromagnetic interference shielding performance. Frontiers of Physics, 2023, 18, .	2.4	5
1397	Enhancement of Electromagnetic Wave Shielding Effectiveness by the Incorporation of Carbon Nanofibers–Carbon Microcoils Hybrid into Commercial Carbon Paste for Heating Films. Molecules, 2023, 28, 870.	1.7	1
1398	Facile fabrication of exfoliated g-C <sub>3</sub> N <sub>4</sub> /MWCNTs/Fe <sub>3</sub> O <sub>4</sub> ternary composites with multi-component functional synergy for high-performance microwave absorption. Journal of Materials Chemistry C. 2023, 11, 2552-2564.	2.7	9
1399	Development of ultra-thin and high-efficient bi-layer microwave absorbers from Fe3N@C and CoS2 samples. Ceramics International, 2023, 49, 14750-14759.	2.3	1
1400	Bioinspired Carbon Superstructures for Efficient Electromagnetic Shielding. ACS Applied Materials & Interfaces, 2023, 15, 4358-4370.	4.0	11
1401	Porous Molybdenum Compound Design for Strong Microwave Absorption. Langmuir, 2023, 39, 890-898.	1.6	0
1402	Enhancement of microwave absorption performance of porous carbon induced by Ce (CO3) OH. Frontiers in Chemistry, 0, 10, .	1.8	1
1403	Polyindole-Derived Nitrogen-Doped Carbon Nanosphere/Al <sub>2</sub> O <sub>3</sub> Composites with High-Performance Microwave Absorption. ACS Applied Electronic Materials, 2023, 5, 559-570.	2.0	3
1404	Carbon-based aerogels and foams for electromagnetic interference shielding: A review. Carbon, 2023, 205, 10-26.	5.4	41
1405	Rational design of heterointerface between MoO2 and N-doped carbon with tunable electromagnetic interference shielding capacity. Journal of Colloid and Interface Science, 2023, 636, 492-500.	5.0	1
1406	Pore-Rich Cellulose-Derived Carbon Fiber@Graphene Core-Shell Composites for Electromagnetic Interference Shielding. Nanomaterials, 2023, 13, 174.	1.9	3
1407	Aeronautical nanocomposites for lightning strike prevention, radiation shielding, and stealth features. , 2023, , 139-164.		0
1408	Construction of multi-dimensional NiCo/C/CNT/rGO aerogel by MOF derivative for efficient microwave absorption. Carbon, 2023, 205, 411-421.	5.4	53
1409	Estimation of structural and optical properties of transparent PS/ZnO nanocomposite foils for UV shielding and photonic applications. Modern Physics Letters B, 2022, 36, .	1.0	1
1410	Atomicâ€Molecular Engineering Tailoring Graphene Microlaminates to Tune Multifunctional Antennas. Advanced Functional Materials, 2023, 33, .	7.8	54
1411	Defect Dipole-Induced HfO <sub>2</sub> -Coated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/Nickel Ferrite Nanocomposites for Enhanced Microwave Absorption. ACS Applied Nano Materials, 2023, 6, 1839-1848.	2.4	7
1412	Development of Electromagnetic-Wave-Shielding Polyvinylidene Fluoride–Ti3C2Tx MXene–Carbon Nanotube Composites by Improving Impedance Matching and Conductivity. Nanomaterials, 2023, 13, 417.	1.9	5

#	Article	IF	CITATIONS
1413	Study on electromagnetic wave absorption properties of graphene/FeSiAl/polylactic acid composites prepared by fused deposition modeling. Journal of Materials Research, 2023, 38, 1620-1633.	1.2	2
1414	Sandwich nanoarchitectonics of heterogenous CB/CNTs honeycomb composite for impedance matching design and microwave absorption. Journal of Alloys and Compounds, 2023, 943, 169154.	2.8	6
1415	Electromagnetic Microwave Absorption Performances of Aminated Carbon Fibers. , 2022, , .		0
1416	Excellent electromagnetic wave absorption properties of SiCN ceramic aerogels via a controlled hydrosilylation reaction. International Journal of Applied Ceramic Technology, 2023, 20, 2593-2602.	1.1	1
1417	Top-down parametrization-design of orientation-reinforced SiOC-based perfect metamaterial microwave absorber with wide-temperature adaptability. Acta Materialia, 2023, 249, 118803.	3.8	9
1418	Recent advances of carbon-based electromagnetic wave absorption materials facing the actual situations. Carbon, 2023, 208, 390-409.	5.4	21
1419	High-entropy Pt18Ni26Fe15Co14Cu27 nanocrystalline crystals in situ grown on reduced graphene oxide with excellent electromagnetic absorption properties. Journal of Colloid and Interface Science, 2023, 639, 193-202.	5.0	4
1420	Design of a composite metamaterial toward perfect microwave absorption and excellent load-bearing performance. Materials and Design, 2023, 229, 111910.	3.3	6
1421	CrN attached multi-component carbon nanotube composites with superior electromagnetic wave absorption performance. Carbon, 2023, 208, 1-9.	5.4	87
1422	Microwave-assisted hydrothermal synthesis of Fe-doped 1T/2H-MoS2 few-layer nanosheets for efficient electromagnetic wave absorbing. Journal of Alloys and Compounds, 2023, 947, 169544.	2.8	10
1423	Aerogels containing ionomers and microwave assisted growth of carbon nanostructures on carbon urchins for multifunctional electromagnetic interference shielding. Carbon, 2023, 209, 118036.	5.4	7
1424	Microwave absorption theory and recent advances in microwave absorbers by polymer-based nanocomposites (carbons, oxides, sulfides, metals, and alloys). Inorganic Chemistry Communication, 2023, 149, 110407.	1.8	9
1425	Electromagnetic interference shielding and ohmic heating applications of carbonized nonwoven fabrics prepared from blended fibrous wastes. Diamond and Related Materials, 2023, 133, 109708.	1.8	2
1426	Magnetic and absorption properties in hundreds of megahertz band for a FeSi@SiO2 composite with brick stacking structure and crystallographic orientation. Journal of Magnetism and Magnetic Materials, 2023, 570, 170491.	1.0	2
1427	Flower-like WS2 grown in nitrogen-doped CMK-3 with improved microwave absorbing performance. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	0
1428	Doping effects of Ca2+ on the optical and dielectric properties of Ca/ZnO nanopowder materials. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	3
1429	Green EMI shielding: Dielectric/magnetic "genes―and design philosophy. Carbon, 2023, 206, 124-141.	5.4	80
1430	Progressive Review of Functional Nanomaterials-Based Polymer Nanocomposites for Efficient EMI Shielding. Journal of Composites Science, 2023, 7, 77.	1.4	6

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#	Article	IF	CITATIONS
1431	Integrating large specific surface area and tunable magnetic loss in Fe@C composites for lightweight and high-efficiency electromagnetic wave absorption. Carbon, 2023, 206, 226-236.	5.4	22
1432	Broadband electromagnetic dissipation superiority of hierarchical ZnO flakes co-decorated with CoFe/CoFe2O4 and rGO. Ceramics International, 2023, 49, 17680-17689.	2.3	2
1433	High temperature microwave absorbing materials. Journal of Materials Chemistry C, 2023, 11, 4552-4569.	2.7	8
1434	Tailoring carbon-based nanofiber microstructures for electromagnetic absorption, shielding, and devices. Materials Chemistry Frontiers, 2023, 7, 1737-1759.	3.2	19
1435	Fabrication and properties of the 6-aminocaproic acid-modified MXene-based PA6 nanocomposites. Composite Interfaces, 2023, 30, 529-541.	1.3	0
1436	Polyvinylidene fluoride—An advanced smart polymer for electromagnetic interference shielding applications—A novel review. Polymers for Advanced Technologies, 2023, 34, 1781-1806.	1.6	5
1437	Combinatorial Structural Engineering of Multichannel Hierarchical Hollow Microspheres Assembled from Centripetal Fe/C Nanosheets to Achieve Effective Integration of Sound Absorption and Microwave Absorption. ACS Applied Materials & Interfaces, 2023, 15, 13565-13575.	4.0	14
1438	A finite oxidation strategy for customizing heterogeneous interfaces to enhance magnetic loss ability and microwave absorption of Fe-cored carbon microcapsules. Nano Research, 2023, 16, 11084-11095.	5.8	5
1439	Recent advances in microwave-absorbing materials fabricated using organic conductive polymers. Frontiers in Materials, 0, 10, .	1.2	16
1440	Investigating the Effect of Changing the Nanostructure of the Core in the Core–Shell Assembly for High-Efficiency Electromagnetic Wave Absorbers. ACS Applied Electronic Materials, 2023, 5, 1778-1792.	2.0	1
1441	Multifunctional Nanocrystallineâ€Assembled Porous Hierarchical Material and Device for Integrating Microwave Absorption, Electromagnetic Interference Shielding, and Energy Storage. Small, 2023, 19, .	5.2	60
1442	A Facile Microwave-Assisted Nanoflower-to-Nanosphere Morphology Tuning of CuSe <sub>1–<i>x</i></sub> Te <sub>1+<i>x</i></sub> for Optoelectronic and Dielectric Applications. ACS Applied Nano Materials, 2023, 6, 5298-5312.	2.4	18
1443	Fabrication of macroporous magnetic carbon fibers via the cooperative etching-electrospinning technology toward ultra-light microwave absorption. Carbon, 2023, 208, 82-91.	5.4	46
1444	Microstructural evolution and electromagnetic wave absorbing performance of single-source-precursor-synthesized SiCuCN-based ceramic nanocomposites. Journal of Advanced Ceramics, 2023, 12, 1299-1316.	8.9	3
1445	In situ modification of MXene nanosheets with polyaniline nanorods for lightweight and broadband electromagnetic wave absorption. Carbon, 2023, 208, 311-321.	5.4	31
1446	Optimized impedance matching and enhanced attenuation by heteroatoms doping of yolk-shell CoFe2O4@HCN as highly efficient microwave absorbers. Ceramics International, 2023, 49, 21613-21623.	2.3	3
1447	The nanocomposites of N-doped graphene oxide decorated with La-doped Zn-Cu-Ni ferrite with lightweight and excellent absorption-dominant electromagnetic interference shielding performance. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	0
1448	The Effect of Chopped Carbon Fiber on Morphology, Electromagnetic, and Mechanical Properties of Glass/Epoxy Composites for Aerospace Application. Transactions of the Indian Institute of Metals, 0, , .	0.7	0

#	Article	IF	CITATIONS
1449	Superior microwave absorption ability of CuFe2O4/MWCNT at whole Ku-band and half X-band. Physical Chemistry Chemical Physics, 0, , .	1.3	1
1450	Synergistic effects between carbon nanotube and anisotropy-shaped Ni in polyurethane sponge to improve electromagnetic interference shielding. Science China Materials, 2023, 66, 2803-2811.	3.5	5
1451	Graphene/carbon nanotube/polypyrrole composite films for electromagnetic interference shielding. Polymer Composites, 2023, 44, 3798-3807.	2.3	8
1452	Metal organic framework derived ZnO assisted βâ€phase stabilized high performance PVDF/ZnOâ€PDMS/rGO nanocomposites as piezoâ€ŧribo hybrid nanogenerator. Energy Technology, 0, , .	1.8	1
1453	The Ordered Mesoporous Barium Ferrite Compounded with Nitrogenâ€Doped Reduced Graphene Oxide for Microwave Absorption Materials. Small, 2023, 19, .	5.2	4
1454	Biomass-based Co/C@Carbon composites derived from MOF-modified cotton fibers for enhanced electromagnetic attenuation. Carbon, 2023, 210, 118035.	5.4	5
1455	Carbon nanotube thread as a material for flexible microwave absorbers. Journal of Electromagnetic Waves and Applications, 2023, 37, 767-781.	1.0	2
1456	Carbon foams with Fe-organic network-derived Fe3O4 for efficient electromagnetic shielding. Materials Chemistry and Physics, 2023, 304, 127797.	2.0	4
1457	Heterodimensional structure porous nanofibers embedded confining magnetic nanocrystals for electromagnetic functional material and device. Carbon, 2023, 210, 118049.	5.4	45
1458	Tunable Properties of Graphene Antenna Affected by Curing Temperature and Exposure Time for Future Application. ChemNanoMat, 0, , .	1.5	0
1459	Facile synthesis and enhanced electromagnetic interference shielding performance for porous magnetic microspheres/Ti3C2Tx MXene nanocomposite film. Journal of Alloys and Compounds, 2023, 956, 170237.	2.8	3
1460	Recent Progress of One-Dimensional Nanomaterials for Microwave Absorption: A Review. ACS Applied Nano Materials, 2023, 6, 7107-7122.	2.4	10
1485	Optimization of carbon fiber loading in PDMS for strong microwave absorption. , 2022, , .		0
1568	Metal organic framework (MOF)-anchored polymeric nanocomposite foams for electromagnetic interference shielding. , 2024, , 337-362.		Ο