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Graphene nanohybrids: excellent electromagnetic properties for the absorbing and shielding of electromagnetic waves

DOI: 10.1039/c7tc05869a Journal of Materials Chemistry C, 2018, 6, 4586-4602.

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#	Paper	IF	Citations
426	Simultaneously improving the mechanical strength and electromagnetic interference shielding of carbon/carbon composites by electrophoretic deposition of SiC nanowires. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5888-5899	7.1	29
425	Synthesis and characterization of economical, multi-functional porous ceramics based on abundant aluminosilicates. <b>2018</b> , 152, 10-21		15
424	The synergetic electromagnetic properties and enhanced microwave absorption of BiFeO3/BaFe7(MnTi)2.5O19 composite. <b>2018</b> , 29, 19739-19747		1
423	Ultralight Cellulose Porous Composites with Manipulated Porous Structure and Carbon Nanotube Distribution for Promising Electromagnetic Interference Shielding. <b>2018</b> , 10, 40156-40167		73
422	Constructing 3D CNTs-SiO2@RGO structures by using GO sheets as template. <b>2018</b> , 713, 189-193		8
421	Light weight RGO/Fe3O4 nanocomposite for efficient electromagnetic absorption coating in X-band. <b>2018</b> , 29, 19775-19782		6
420	Novel method of phosphorescent strontium aluminate coating preparation on aluminum. <b>2018</b> , 160, 794-802		23
419	Dielectric and electromagnetic interference shielding properties of germanium dioxide nanoparticle reinforced poly(vinyl chloride) and poly(methylmethacrylate) blend nanocomposites. <b>2018</b> , 29, 20172-20188		28
418	Enhanced Electromagnetic Microwave Absorption Property of Peapod-like MnO@carbon Nanowires. <b>2018</b> , 10, 40078-40087		85
417	Enhanced Magnetism by Temperature Induced Defects in Reduced Graphene Oxide Prepared From Coconut Shells. <b>2018</b> , 54, 1-5		8
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415	Hierarchical Carbon Nanotube-Coated Carbon Fiber: Ultra Lightweight, Thin, and Highly Efficient Microwave Absorber. <b>2018</b> , 10, 24816-24828		145
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405	Researching on X-Band Electromagnetic Interference Shielding Efficiency of MWCNTs Buckypapers Inserted with Mn Nanopowder. <b>2018</b> , 13, 1850061	1
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257	Highly flexible, light-weight and mechanically enhanced (Mo2C/PyC)f fabrics for efficient electromagnetic interference shielding. <b>2020</b> , 136, 105955	7
256	Tailoring La0.8Sr0.2MnO3/La/Sr nanocomposite using a novel complementary method as well as dissecting its microwave, shielding, optical, and magnetic characteristics. <b>2020</b> , 46, 20896-20904	23
255	Enhanced microwave absorption and electromagnetic shielding property of (1-x)K0.5Na0.5NbO3 ~ xAl2O3 nano-ceramics. <b>2020</b> , 46, 22738-22744	4
254	Toward the application of electromagnetic wave absorption by two-dimension materials. 2020, 1	8
253	Carbonized polyaniline bridging nanodiamond-graphene hybrids for enhanced microwave absorptions with ultrathin thickness. <b>2020</b> , 31, 415701	6
252	Hollow N-doped carbon polyhedra embedded Co and Mo2C nanoparticles for high-efficiency and wideband microwave absorption. <b>2020</b> , 167, 19-30	74
251	Synthesis of N-doped carbon with embedded Fe/Fe3C particles for microwave absorption. <b>2020</b> , 55, 11970-11983	13
250	Microwave absorption by dextrin-magnetite nanocomposite in frequencies below 2.5 GHz: Role of magnetite content, shape and temperature on magneto-dielectric properties. <b>2020</b> , 193, 108860	4
249	Graphene and MXene Nanomaterials: Toward High-Performance Electromagnetic Wave Absorption in Gigahertz Band Range. <b>2020</b> , 30, 2000475	134
248	Controllable fabrication and multifunctional applications of graphene/ceramic composites. <b>2020</b> , 9, 271-291	30

247	A Flexible and Lightweight Biomass-Reinforced Microwave Absorber. <b>2020</b> , 12, 125	141
246	Achieving excellent electromagnetic wave absorption of ZnFe2O4@CNT/polyvinylidene fluoride flexible composite membranes by adjusting processing conditions. <b>2020</b> , 133, 105866	33
245	An anisotropic layer-by-layer carbon nanotube/boron nitride/rubber composite and its application in electromagnetic shielding. <b>2020</b> , 12, 7782-7791	39
244	Structuring Hierarchically Porous Architecture in Biomass-Derived Carbon Aerogels for Simultaneously Achieving High Electromagnetic Interference Shielding Effectiveness and High Absorption Coefficient. <b>2020</b> , 12, 18840-18849	48
243	Conductive epoxy nanocomposite with self-supporting networks of silver@carbon nanocable sponge and improved properties. <b>2020</b> , 31, 6488-6496	1
242	Highly flexible and ultrathin Mo2C film via in-situ growth on graphene oxide for electromagnetic shielding application. <b>2020</b> , 163, 254-264	16
241	Synthesis of CuS nanoparticles decorated Ti3C2Tx MXene with enhanced microwave absorption performance. <b>2020</b> , 30, 343-351	21
240	Facile fabrication of Co@C nanoparticles with different carbon-shell thicknesses: high-performance microwave absorber and efficient catalyst for the reduction of 4-nitrophenol. <b>2020</b> , 22, 4591-4601	6
239	Conductive WS2-NS/CNTs hybrids based 3D ultra-thin mesh electromagnetic wave absorbers with excellent absorption performance. <b>2020</b> , 528, 147052	41
238	X Band electromagnetic property influence of multi-walled carbon nanotube in hybrid MnZn ferrite and carbonyl iron composites. <b>2020</b> , 9, 2369-2375	10
237	Biochar-iron composites as electromagnetic interference shielding material. <b>2020</b> , 7, 015604	1
236	Sandwich-Like Fe&TiO@C Nanocomposites Derived from MXene/Fe-MOFs Hybrids for Electromagnetic Absorption. <b>2020</b> , 12, 55	116
235	Multifunctional composite nanofibers with shape memory and piezoelectric properties for energy harvesting. <b>2020</b> , 31, 956-966	7
234	Enhancing electromagnetic wave absorption performance of Co3O4 nanoparticles functionalized MoS2 nanosheets. <b>2020</b> , 829, 154531	43
233	Facile synthesis 3D porous MXene Ti3C2Tx@RGO composite aerogel with excellent dielectric loss and electromagnetic wave absorption. <b>2020</b> , 828, 154251	69
232	In situ synthesis of CoFe2O4 nanocrystals decorated in mesoporous carbon nanofibers with enhanced electromagnetic performance. <b>2020</b> , 826, 154147	20
231	Electrically electromagnetic interference shielding microcellular composite foams with 3D hierarchical graphene-carbon nanotube hybrids. <b>2020</b> , 130, 105773	37
230	Lightweight and Robust Carbon Nanotube/Polyimide Foam for Efficient and Heat-Resistant Electromagnetic Interference Shielding and Microwave Absorption. <b>2020</b> , 12, 8704-8712	99

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229	Gumdrop-cake-like CuNi/C nanofibers with tunable microstructure for microwave absorbing application. <b>2020</b> , 46, 11406-11415	5
228	Flexible Fe3O4/graphene foam/poly dimethylsiloxane composite for high-performance electromagnetic interference shielding. <b>2020</b> , 189, 108012	34
227	Carbon nanofibers supported by FeCo nanocrystals as difunctional magnetic/dielectric composites with broadband microwave absorption performance. <b>2020</b> , 824, 153980	39
226	Multiaxial electrospun generation of hollow graphene aerogel spheres for broadband high-performance microwave absorption. <b>2020</b> , 13, 477-484	63
225	Enhanced microwave absorption properties of flaky MoS2 powders by decorating with Ni particles. <b>2020</b> , 511, 166961	9
224	Silica-Modified Ordered Mesoporous Carbon for Optimized Impedance-Matching Characteristic Enabling Lightweight and Effective Microwave Absorbers. <b>2020</b> , 12, 23252-23260	25
223	Confinedly growing and tailoring of CoO clusters-WS nanosheets for highly efficient microwave absorption. <b>2020</b> , 31, 325703	5
222	TiN/Ni/C ternary composites with expanded heterogeneous interfaces for efficient microwave absorption. <b>2020</b> , 193, 108028	76
221	Hierarchical carbonaceous composites with dispersed Co species prepared using the inherent nanostructural platform of biomass for enhanced microwave absorption. <b>2020</b> , 302, 110210	24
220	High-Performance Electromagnetic Wave Absorbing CNT/SiC Composites: Synthesis, Tuning, and Mechanism. <b>2020</b> , 12, 20775-20784	40
219	Research on the electromagnetic property of the single-layer graphene-coated fabrics. <b>2021</b> , 112, 255-263	3
218	Dependence of electromagnetic wave absorption properties on the topography of Ni anchoring on reduced graphene oxide. <b>2021</b> , 32, 870-874	7
217	Fe-based material@N-doped carbon composites as environment-friendly microwave absorbers. <b>2021</b> , 171, 646-657	10
216	Bamboo-like N-doped carbon tubes encapsulated CoNi nanospheres towards efficient and anticorrosive microwave absorbents. <b>2021</b> , 171, 142-153	30
215	Double ligand MOF-derived pomegranate-like Ni@C microspheres as high-performance microwave absorber. <b>2021</b> , 538, 148051	36
214	Magnetic porous N-doped carbon composites with adjusted composition and porous microstructure for lightweight microwave absorbers. <b>2021</b> , 173, 655-666	65
213	Multi-scale structural nitrogen-doped rGO@CNTs composites with ultra-low loading towards microwave absorption. <b>2021</b> , 538, 147943	12
212	Fabrication of nitrogen-doped reduced graphene oxide/cobalt ferrite hybrid nanocomposites as broadband electromagnetic wave absorbers in both X and Ku bands. <b>2021</b> , 271, 116621	11

211	A facile and eco-friendly synthesis of Fe@SAC composite absorbers derived from alginate for highly efficient electromagnetic wave attenuation. <b>2021</b> , 271, 116637	3
210	Leaf-like Fe/C composite assembled by iron veins interpenetrated into amorphous carbon lamina for high-performance microwave absorption. <b>2021</b> , 140, 106202	10
209	Enhanced electrical and mechanical properties of graphene nano-ribbon/thermoplastic polyurethane composites. <b>2021</b> , 174, 305-316	11
208	Nanocellular poly(ether-block-amide)/MWCNT nanocomposite films fabricated by stretching-assisted microcellular foaming for high-performance EMI shielding applications. <i>Journal</i> 7.1 of Materials Chemistry C, <b>2021</b> , 9, 1245-1258	20
207	Silicate LoNi Barbon triple shell sandwich structured composite hollow microspheres with low density boosted microwave absorption and high mechanical strength. <i>Journal of Materials</i> 7.1  Chemistry C, 2021, 9, 702-713	6
206	Fabrication of magnesium ferrite microspheres decorated nitrogen-doped reduced graphene oxide hybrid composite toward high-efficiency electromagnetic wave absorption. <b>2021</b> , 859, 157865	4
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204	Delafossite type CuCo0.5Ti0.5O2 composite structure: A futuristic ceramics for supercapacitor and EMI shielding application. <b>2021</b> , 47, 9907-9922	4
203	Recent progress in morphological engineering of carbon materials for electromagnetic interference shielding. <b>2021</b> , 172, 569-596	38
202	Constructing and optimizing hollow ZnFeO@polyaniline composites as high-performance microwave absorbers. <b>2021</b> , 584, 80-91	13
201	Recent progress of microwave absorption microspheres by magnetic-dielectric synergy. <b>2021</b> , 13, 2136-2156	35
200	Intense nonlinear dielectric and magnetic resonances of coreEhell Ni@graphene composites and their improved microwave absorption properties. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 4910-4920 7.1	5
199	Facile synthesis of monodisperse ultrasmall Fe3O4 nanoparticles on graphene nanosheets with excellent microwave absorption performance. 1	2
198	Polymer-based lightweight materials for electromagnetic interference shielding: a review. <b>2021</b> , 56, 6549-6580	19
197	Hybrid carbonaceous materials for radar absorbing poly(vinylidene fluoride) composites with multilayered structures. <b>2021</b> , 2, 62-73	5
196	Synthesis of hollow rod-like hierarchical structures assembled by CoFe/C nanosheets for enhanced microwave absorption. <i>Journal of Materials Chemistry C</i> ,	3
195	Polypyrrole-Based Composite Materials for Electromagnetic Wave Absorption. <b>2021</b> , 61, 646-687	24
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193	A TTFIICNQ complex: an organic charge-transfer system with extraordinary electromagnetic response behavior. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 3316-3323	45
192	Electromagnetic interference shielding effectiveness of polymer nanocomposites. <b>2021</b> , 211-236	
191	CoreBhell Nanomaterials for Microwave Absorption and Electromagnetic Interference Shielding: A Review. <b>2021</b> , 4, 949-972	38
190	Mn Doping of BiFeO3 for Microstructure and Electromagnetic Characteristics. <b>2021</b> , 34, 1199-1207	2
189	Synthesis of three-dimensional porous nitrogen-doped reduced graphene oxide/multi-walled carbon nanotubes composite aerogel as lightweight and high-performance electromagnetic wave absorbers. <b>2021</b> , 112, 108245	4
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186	Microwave absorption properties of Ni-substituted cobalt ferrite-loaded carbon nanofiber composites. <b>2021</b> , 32, 8429-8439	1
185	A review on recent advances in carbon-based dielectric system for microwave absorption. <b>2021</b> , 56, 10782-10	0814
184	Electromagnetic wave-absorbing performance of carbons, carbides, oxides, ferrites and sulfides: review and perspective. <b>2021</b> , 54, 203001	28
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181	The influence of wave-absorbing functional particles on the electromagnetic properties and the mechanical properties of coated fabrics. 1-21	1
180	High-Efficiency Microwave Attenuation of Magnetic Carbon Nanoparticle-Decorated Tubular Carbon Nanofibers Composites at an Ultralow Filling Content. <b>2021</b> , 7, 2100121	2
179	Interfacial and defect polarization in MXene-like laminated spinel for electromagnetic wave absorption application. <b>2021</b> , 588, 813-825	29
178	Thermal phase transition controlling electromagnetic wave absorption behavior of PAN fiber derived porous magnetic absorber. <b>2021</b> , 32, 26007	3
177	Multi-dimensional ordered mesoporous carbon/silica@Ni composite with hierarchical nanostructure for strong and broadband microwave absorption. <b>2021</b> , 176, 209-218	19
176	Co/multi-walled carbon nanotubes/polyethylene composites for microwave absorption: Tuning the effectiveness of electromagnetic shielding by varying the components ratio. <b>2021</b> , 207, 108731	8

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174	Si3N4-BN-SiCN ceramics with unique hetero-interfaces for enhancing microwave absorption properties. <b>2021</b> , 47, 12261-12268	5
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172	CoNi alloy with tunable magnetism encapsulated by N-doped carbon nanosheets toward high-performance microwave attenuation. <b>2021</b> , 215, 108781	21
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170	Hydrothermal synthesis of micro-flower like morphology aluminum-doped MoS2/rGO nanohybrids for high efficient electromagnetic wave shielding materials. <b>2021</b> , 47, 15648-15660	7
169	Recent progress on carbon-based composite materials for microwave electromagnetic interference shielding. <b>2021</b> , 177, 304-331	62
168	Effect of reduced graphene oxide content on electromagnetic and mechanical properties of monolayer coated composites. 1-8	
167	Electrical, thermal and microwave shielding properties of printable silver nanowires. <b>2021</b> , 56, 15971-15984	1
166	Nitrogen-doped graphene oxide and lanthanum-doped cobalt ferrite composites as high-performance microwave absorber. <b>2021</b> , 32, 21685-21696	O
165	Magnetism and microwave absorption properties of two-dimensional layered ferromagnetic metal Fe3GeTe2. <b>2021</b> , 56, 16524-16532	O
164	Enhanced Microwave Absorbing Ability of Carbon Fibers with Embedded FeCo/CoFeO Nanoparticles. <b>2021</b> , 13, 36182-36189	17
163	A theoretical analysis of the relationships shown from the general experimental results of scattering parameters s11 and s21 Lexemplified by the film of BaFe12-iCeiO19/polypyrene with $i = 0.2, 0.4, 0.6$ . <b>2021</b> , 55, 197-218	3
162	Enhanced electromagnetic wave absorption property of binary ZnO/NiCo2O4 composites. <b>2021</b> , 10, 832-842	15
161	Synergistically assembled nitrogen-doped reduced graphene oxide/multi-walled carbon nanotubes composite aerogels with superior electromagnetic wave absorption performance. <b>2021</b> , 210, 108818	22
160	Dispersed spherical shell-shaped palygorskite/carbon/polyaniline composites with advanced microwave absorption performances. <b>2021</b> , 387, 277-286	9
159	Conductive Fibrous Metal-Cyanoquinone Complexes with Excellent Microwave Absorption and Shielding Effectiveness at Ultrathin Thickness. <b>2021</b> , 8, 2100712	10
158	Conducting Polymeric Composites Based on Intrinsically Conducting Polymers as Electromagnetic Interference Shielding/Microwave Absorbing Materials Review. <b>2021</b> , 5, 173	10

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156	Electromagnetic absorber converting radiation for multifunction. <b>2021</b> , 145, 100627	52
155	Application progress of conductive conjugated polymers in electromagnetic wave absorbing composites. <b>2021</b> , 26, 100767	11
154	Synthesis of ultralight three-dimensional nitrogen-doped reduced graphene oxide/multi-walled carbon nanotubes/zinc ferrite composite aerogel for highly efficient electromagnetic wave absorption. <b>2021</b> , 596, 364-375	23
153	Electromagnetic shielding performance of SiC/graphitic carbon-SiCN porous ceramic nanocomposites derived from catalyst assisted single-source-precursors. <b>2021</b> , 41, 4806-4814	4
152	Microstructural Design of Necklace-Like FeO/Multiwall Carbon Nanotube (MWCNT) Composites with Enhanced Microwave Absorption Performance. <b>2021</b> , 14,	2
151	FeCo/ZnO Composite Nanofibers for Broadband and High Efficiency Microwave Absorption. <b>2021</b> , 8, 2101047	3
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149	Heteroatom doping of 2D graphene materials for electromagnetic interference shielding: a review of recent progress. 1-50	15
148	Lightweight, multifunctional MXene/polymer composites with enhanced electromagnetic wave absorption and high-performance thermal conductivity. <b>2021</b> , 183, 301-312	10
147	Sustainable paper templated ultrathin, light-weight and flexible niobium carbide based films against electromagnetic interference. <b>2021</b> , 183, 929-939	3
146	Salt template-steered sintering synthesis of flaky C/Co composites for ultra-wide band microwave assimilation. <b>2021</b> , 879, 160486	1
145	Construction of remarkable electromagnetic wave absorber from heterogeneous structure of Co-CoFe2O4@mesoporous hollow carbon spheres. <b>2021</b> , 421, 129960	46
144	Mushroom cap-shaped porous carbon particles with excellent microwave absorption properties. <b>2021</b> , 564, 150437	7
143	Two-dimensional interface engineering of NiS/MoS2/Ti3C2Tx heterostructures for promoting electromagnetic wave absorption capability. <b>2021</b> , 225, 109306	19
142	Three-dimensional flower-like FeCoNi/reduced graphene oxide nanosheets with enhanced impedance matching for high-performance electromagnetic wave absorption. <b>2021</b> , 883, 160877	10
141	Nanoindentation and abrasion in Fe3O4/rGO reinforced epoxy electromagnetic protective coatings. <b>2021</b> , 887, 161277	2
140	Magnetic core-shell structure in-situ encapsulated in bamboo-derived carbon skeleton for efficient microwave absorption. <b>2021</b> , 888, 161510	2

139	Novel low-frequency microwave absorber of Sn-Fe-O multiphase compounds combined with Salvia miltiorrhiza Bunge-derived biochar. <b>2021</b> , 394, 853-862	0
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137	Recent progress in two-dimensional materials for microwave absorption applications. <b>2021</b> , 425, 131558	9
136	Polymer-bubbling for one-step synthesis of three-dimensional cobalt/carbon foams against electromagnetic pollution. <b>2021</b> , 93, 7-16	11
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133	Highly anisotropic thermal and electrical conductivities of nylon composite papers with the integration of strength and toughness.	1
132	BimetalBrganic frameworks derived tuneable Co nanoparticles embedded in porous nitrogen-doped carbon nanorods as high-performance electromagnetic wave absorption materials. 7.1  Journal of Materials Chemistry C, 2021, 9, 7302-7309	4
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130	Large-scale fabrication of lightweight, tough polypropylene/carbon black composite foams as broadband microwave absorbers. <b>2020</b> , 20, 100358	22
129	Facile fabrication of sepiolite functionalized composites with tunable dielectric properties and their superior microwave absorption performance. <b>2020</b> , 576, 444-456	7
128	Microwave-Heated Graphene Realizes Ultrafast Energy Conversion and Thermal Storage. <b>2021</b> , 35, 898-904	1
127	Synthesis of SiCN aligned nanofibers with preeminent electromagnetic wave absorption in ultra-broad band. Journal of Materials Chemistry $C$ , $7.1$	2
126	Enhanced Microwave Absorption of Shape Anisotropic Fe3O4 Nanoflakes and Their Composites. 2100790	1
125	MXene nanohybrids: Excellent electromagnetic properties for absorbing electromagnetic waves. <b>2021</b> ,	2
124	Self-assembling SiC nanoflakes/MXenes composites embedded in polymers towards efficient electromagnetic wave attenuation. <b>2022</b> , 574, 151463	2
123	Aluminosilicate glass-ceramics/reduced graphene oxide composites doped with lithium ions: The microstructure evolution and tuning for target microwave absorption. <b>2021</b> ,	3
122	Initiating VB-Group Laminated NbS2 Electromagnetic Wave Absorber toward Superior Absorption Bandwidth as Large as 6.48[GHz through Phase Engineering Modulation. 2108194	29

121	Ultralight Pyrolytic Carbon Foam Reinforced with Amorphous Carbon Nanotubes for Broadband Electromagnetic Absorption.	Ο
120	Chromium-doped MoS2 grown on rGO nanosheet for enhanced microwave shielding performance. <b>2020</b> ,	
119	Carbon as a Solution for Nanocellular Foam Superinsulation.	
118	MXene hybrid polyvinyl alcohol flexible composite films for electromagnetic interference shielding. <b>2022</b> , 578, 152007	3
117	Design of hierarchical core-shell ZnFe2O4@MnO2@RGO composite with heterogeneous interfaces for enhanced microwave absorption. <b>2021</b> , 48, 5217-5217	5
116	Long-Lived Room-Temperature Phosphorescence Based on Hydrogen Bonding Self-Assembling Supramolecular Film.	Ο
115	Comparative studies on physical and chemical routes for animal waste-derived activated carbon for microwave absorption in the X-band. <b>2022</b> , 33, 3425	0
114	Implantation of WSe nanosheets into multi-walled carbon nanotubes for enhanced microwave absorption. <b>2021</b> , 609, 746-746	16
113	Carbon as a solution for nanocellular foam superinsulation. <b>2021</b> , 189, 319-319	0
112	Graphene aerogel induced by ethanol-assisted method for excellent electromagnetic wave absorption. <b>2022</b> , 57, 453-466	Ο
111	Enhanced electromagnetic wave absorption properties integrating diverse loss mechanism of 3D porous Ni/NiO microspheres. <b>2022</b> , 897, 163227	4
110	Tailoring superhydrophobic PDMS/CeFe2O4/MWCNTs nanocomposites with conductive network for highly efficient microwave absorption. <b>2022</b> , 432, 134226	3
109	A deformable honeycomb sandwich composite felt with excellent microwave absorption performance at a low absorbent loading content. <b>2022</b> , 283, 115140	2
108	Research progress on nanostructure design and composition regulation of carbon spheres for the microwave absorption. <b>2022</b> , 189, 617-633	7
107	Improving the electromagnetic wave absorption properties of zinc ferrite-containing N-doped carbon composites by the introduction of Fe4N. <b>2022</b> , 900, 163355	
106	Synergistic regulation of dielectric-magnetic dual-loss and triple heterointerface polarization via magnetic MXene for high-performance electromagnetic wave absorption. <b>2022</b> , 113, 128-137	16
105	Asymmetric Electromagnetic Shielding Performance Based on Spatially Controlled Deposition of Nickel Nanoparticles on Carbon Nanotube Sponge.	
104	Tailoring microstructures in (Ni/NiO)@C composites via facile route for broadband microwave absorption. <b>2022</b> ,	2

103	Surface plasmon resonance-enhanced dielectric polarization endows coral-like Co@CoO nanostructures with good electromagnetic wave absorption performance. <b>2022</b> , 585, 152704	2
102	Efficient electromagnetic interference shielding of flexible Ag microfiber sponge/polydimethylsiloxane composite constructed by blow spinning. <b>2022</b> , 220, 109281	2
101	Evaluation, fabrication and dynamic performance regulation of green EMI-shielding materials with low reflectivity: A review. <b>2022</b> , 233, 109652	11
100	Core-shell heterogeneous graphene-based aerogel microspheres for high-performance broadband microwave absorption via resonance loss and sequential attenuation. <b>2022</b> , 433, 134496	5
99	Facile preparation of C/MnO/Co nanocomposite fibers for High-Performance microwave absorption. <b>2022</b> , 155, 106814	3
98	Numerical analysis, experimental verification and criterion establishment of non-magnetic microwave absorbing material <b>2022</b> , 613, 256-264	o
97	Carbon@SiC(SiCnws)-Sc2Si2O7 ceramics with multiple loss mediums for improving electromagnetic shielding performance. <b>2022</b> , 42, 2274-2281	1
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94	Transparent organogel based on photopolymerizable magnetic cationic monomer for electromagnetic wave absorbing. <b>2022</b> ,	O
93	Tuning absorption of terahertz dielectric ceramics through spin-reorientation transitions. 2022,	0
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91	Microwave Absorption and Mechanical Properties of CNTs/PU Composites with Honeycomb Structure. 1	O
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89	Magnetic and microwave absorbing properties of La0.7Sr0.3MnO3 nanoparticles. <b>2022</b> , 12, 035134	O
88	One-step synthesis of SiC/C nanocomposites by atmospheric thermal plasmas for efficient microwave absorption. <b>2022</b> , 48, 10391-10402	O
87	In-situ synthesis method of three-dimensional silicon/reduced graphene oxide semiconductor nanohybrids for efficient electromagnetic absorption. <b>2022</b> , 222, 109396	0
86	Ultrasonically assisted solvohydrothermal synthesis of nanocrystalline Zn-Ni ferrite advanced material for EMI shielding. <b>2022</b> , 906, 164199	O

85	Multilayer structured CNF/rGO aerogels and rGO film composites for efficient electromagnetic interference shielding <b>2022</b> , 286, 119306	2
84	Asymmetric electromagnetic shielding performance based on spatially controlled deposition of nickel nanoparticles on carbon nanotube sponge. <b>2022</b> , 194, 290-296	1
83	Heterogeneous Co@N-doped carbon/MoxC@N-doped carbon nanoflowers for efficient electromagnetic wave absorption at microwave frequencies. <b>2022</b> , 287, 117052	1
82	Confinedly implanting Fe3O4 nanoclusters on MoS2 nanosheets to tailor electromagnetic properties for excellent multi-bands microwave absorption. <b>2021</b> ,	2
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79	A facile molten salt synthesis route for a C/MoS2/Co9S8 complex with multiple heterogeneous interfaces and excellent dielectric and magnetic properties for effective microwave absorption. <b>2022</b> ,	Ο
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