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Laminated magnetic graphene with enhanced electromagnetic wave absorption properties

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629	Excellent electromagnetic absorption properties of poly(3,4-ethylenedioxythiophene)-reduced graphene oxide-Co <sub>3</sub> O <sub>4</sub> composites prepared by a hydrothermal method. <b>2013</b> , 5, 12355-60		208
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602	Sandwich-like graphene nanosheets decorated with superparamagnetic CoFe <sub>2</sub> O <sub>4</sub> nanocrystals and their application as an enhanced electromagnetic wave absorber. <b>2014</b> , 4, 33619-33625		73

601	Performance of a nanoarchitected tin oxide@reduced graphene oxide composite as a shield against electromagnetic polluting radiation. <b>2014</b> , 4, 25904-25911		31
600	Irradiation induced one-step synthesis of electromagnetic functionalized reduced graphene oxide@Ni nanocomposites. <b>2014</b> , 4, 30467-30470		30
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598	CoO Hollow Cube/Reduced Graphene Oxide Composites with Enhanced Lithium Storage Capability. <b>2014</b> , 26, 5958-5964		122
597	Fabrication of multi-functional PVDF/RGO composites via a simple thermal reduction process and their enhanced electromagnetic wave absorption and dielectric properties. <b>2014</b> , 4, 19594-19601		108
596	Synthesis and characterization of FeCo/C hybrid nanofibers with high performance of microwave absorption. <b>2014</b> , 60, 589-595		45
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590	Graphene-wrapped ZnO hollow spheres with enhanced electromagnetic wave absorption properties. <b>2014</b> , 2, 16403-16409		447
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587	High densities of magnetic nanoparticles supported on graphene fabricated by atomic layer deposition and their use as efficient synergistic microwave absorbers. <b>2014</b> , 7, 704-716		274
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582	Novel ternary Fe <sub>3</sub> O <sub>4</sub> @polyaniline/polyazomethine/polyetheretherketone crosslinked hybrid membranes: fabrication, thermal properties and electromagnetic behaviours. <b>2014</b> , 4, 11159	18
581	Encapsulation of Fe <sub>2</sub> O <sub>3</sub> decorated reduced graphene oxide in polyaniline core-shell tubes as an exceptional tracker for electromagnetic environmental pollution. <b>2014</b> , 2, 3581-3593	219
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566	Graphene nanosheet- and flake carbonyl iron particle-filled epoxy-silicone composites as thin-thickness and wide-bandwidth microwave absorber. <b>2015</b> , 86, 98-107	247

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483	Strong and thermostable polymeric graphene/silica textile for lightweight practical microwave absorption composites. <b>2016</b> , 100, 109-117		160
482	Sandwich structures of graphene@Fe <sub>3</sub> O <sub>4</sub> @PANI decorated with TiO <sub>2</sub> nanosheets for enhanced electromagnetic wave absorption properties. <b>2016</b> , 662, 63-68		68
481	Enhanced microwave absorption properties of flake-shaped FePCB metallic glass/graphene composites. <b>2016</b> , 89, 33-39		55
480	Construction of CuS Nanoflakes Vertically Aligned on Magnetically Decorated Graphene and Their Enhanced Microwave Absorption Properties. <b>2016</b> , 8, 5536-46		366
479	Facile Synthesis of Fe <sub>3</sub> O <sub>4</sub> /GCs Composites and Their Enhanced Microwave Absorption Properties. <b>2016</b> , 8, 6101-9		407
478	Graphene-enhanced microwave absorption properties of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> nanorods. <b>2016</b> , 89, 40-46		56
477	Preparation and electromagnetic wave absorption properties of FeNi <sub>3</sub> nanoalloys generated on graphene/polyaniline nanosheets. <b>2016</b> , 6, 31440-31447		31
476	High frequency millimetre wave absorbers derived from polymeric nanocomposites. <b>2016</b> , 84, 398-419		154

475	A powerful approach to graphene/stainless steel web hybrids for large scale electromagnetic shielding applications. <b>2016</b> , 170, 303-311		4
474	Electromagnetic response of magnetic graphene hybrid fillers and their evolutionary behaviors. <b>2016</b> , 27, 2760-2772		5
473	Reduced graphene oxide (RGO)/Mn <sub>3</sub> O <sub>4</sub> nanocomposites for dielectric loss properties and electromagnetic interference shielding effectiveness at high frequency. <b>2016</b> , 42, 936-942		60
472	One-pot hydrothermal synthesis of Zinc ferrite/reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction. <b>2017</b> , 485, 175-182		30
471	Large-scale controlled synthesis of magnetic FeCo alloy with different morphologies and their high performance of electromagnetic wave absorption. <b>2017</b> , 28, 3159-3167		27
470	Solvothermal synthesis and good microwave absorbing properties for magnetic porous-Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposites. <b>2017</b> , 7, 056605		15
469	A permittivity regulating strategy to achieve high-performance electromagnetic wave absorbers with compatibility of impedance matching and energy conservation. <b>2017</b> , 41, 1259-1266		109
468	Fabrication of porous graphene-Fe <sub>3</sub> O <sub>4</sub> hybrid composites with outstanding microwave absorption performance. <b>2017</b> , 95, 237-247		94
467	Porous flower-like NiO@graphene composites with superior microwave absorption properties. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 2005-2014	7.1	174
466	Nanostructured materials for microwave receptors. <b>2017</b> , 87, 221-245		40
465	Assembling carbon fiber-graphene-carbon fiber hetero-structures into 1D-1D junction fillers and patterned structures for improved microwave absorption. <b>2017</b> , 50, 135303		10
464	A universal permittivity-attenuation evaluation diagram for accelerating design of dielectric-based microwave absorption materials: A case of graphene-based composites. <b>2017</b> , 118, 86-97		45
463	Preparation and evaluation of the microwave absorption properties of template-free graphene foam-supported Ni nanoparticles. <b>2017</b> , 7, 14733-14741		43
462	Polypyrrole-interface-functionalized nano-magnetite epoxy nanocomposites as electromagnetic wave absorbers with enhanced flame retardancy. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5334-5344	7.1	209
461	Structural, magnetic and electromagnetic wave absorption properties of WO <sub>3</sub> @Fe <sub>2</sub> O <sub>4</sub> : a novel nanocomposite. <b>2017</b> , 28, 10330-10337		5
460	Direct in situ synthesis of a 3D interlinked amorphous carbon nanotube/graphene/BaFe <sub>12</sub> O <sub>19</sub> composite and its electromagnetic wave absorbing properties. <b>2017</b> , 7, 15903-15910		18
459	Super-light Cu@Ni nanowires/graphene oxide composites for significantly enhanced microwave absorption performance. <b>2017</b> , 7, 1584		51
458	Facile synthesis of a MnFe <sub>2</sub> O <sub>4</sub> /rGO nanocomposite for an ultra-stable symmetric supercapacitor. <b>2017</b> , 41, 4974-4984		87

457	A facile one-pot strategy for fabrication of carbon-based microwave absorbers: effects on annealing and paraffin content. <b>2017</b> , 46, 9097-9102		23
456	Advanced Nanostructured Materials in Electromagnetic Interference Shielding. <b>2017</b> , 241-320		10
455	Lightweight, multifunctional microcellular PMMA/Fe <sub>3</sub> O <sub>4</sub> @MWCNTs nanocomposite foams with efficient electromagnetic interference shielding. <b>2017</b> , 100, 128-138		154
454	Three-dimensional reduced graphene oxide powder for efficient microwave absorption in the S-band (2-8 GHz). <b>2017</b> , 7, 25773-25779		69
453	An impedance match method used to tune the electromagnetic wave absorption properties of hierarchical ZnO assembled by porous nanosheets. <b>2017</b> , 19, 3640-3648		41
452	Synthesis and electromagnetic wave absorption properties of matrimony vine-like iron oxide/reduced graphene oxide prepared by a facile method. <b>2017</b> , 719, 296-307		43
451	Enhanced electromagnetic interference shielding behavior of Graphene Nanoplatelet/Ni/Wax nanocomposites. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6471-6479	7.1	42
450	Excellent Microwave Absorption Behaviors of Polyaniline Composites Containing CeO <sub>2</sub> Nanorods in the X-Band. <b>2017</b> , 12, 1750047		12
449	Development of novel efficient 2D nanocomposite catalyst towards the three-component coupling reaction for the synthesis of imidazo[1,2-a]pyridines. <b>2017</b> , 542, 368-379		12
448	Facile preparation and enhanced microwave absorption properties of flake carbonyl iron/Fe <sub>3</sub> O <sub>4</sub> composite. <b>2017</b> , 435, 26-32		29
447	Segregated Hybrid Poly(methyl methacrylate)/Graphene/Magnetite Nanocomposites for Electromagnetic Interference Shielding. <b>2017</b> , 9, 14171-14179		222
446	Rice husk-based hierarchically porous carbon and magnetic particles composites for highly efficient electromagnetic wave attenuation. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4695-4705	7.1	112
445	Synthesis of sandwich microstructured expanded graphite/barium ferrite connected with carbon nanotube composite and its electromagnetic wave absorbing properties. <b>2017</b> , 712, 59-68		43
444	Fabrication of NiCo-Anchored Graphene Nanosheets by Liquid-Phase Exfoliation for Excellent Microwave Absorbers. <b>2017</b> , 9, 12673-12679		91
443	Magnetite-Bridged Carbon Nanotubes/Graphene Sheets Three-Dimensional Network with Excellent Microwave Absorption. <b>2017</b> , 46, 2097-2105		11
442	Effects of three-dimensional reduced graphene oxide coupled with nickel nanoparticles on the microwave absorption of carbon fiber-based composites. <b>2017</b> , 717, 205-213		30
441	Flexible, hydrophobic SiC ceramic nanofibers used as high frequency electromagnetic wave absorbers. <b>2017</b> , 43, 7424-7435		56
440	Ultralight graphene aerogel enhanced with transformed micro-structure led by polypyrrole nano-rods and its improved microwave absorption properties. <b>2017</b> , 97, 141-150		67

439	Tunable design of yolk-shell ZnFe <sub>2</sub> O <sub>4</sub> @RGO@TiO <sub>2</sub> microspheres for enhanced high-frequency microwave absorption. <b>2017</b> , 4, 935-945	41
438	Graphene/MWNT/Poly(p-phenylenebenzobisoxazole) Multiphase Nanocomposite via Solution Prepolymerization with Superior Microwave Absorption Properties and Thermal Stability. <b>2017</b> , 121, 1072-1081	28
437	Synthesis of lightweight and flexible composite aerogel of mesoporous iron oxide threaded by carbon nanotubes for microwave absorption. <b>2017</b> , 697, 138-146	48
436	Preparation of hierarchical core-shell C@NiCo <sub>2</sub> O <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> composites for enhanced microwave absorption performance. <b>2017</b> , 314, 477-487	200
435	Magnetic graphene for microwave absorbing application: Towards the lightest graphene-based absorber. <b>2017</b> , 125, 630-639	133
434	Preparation and high-performance microwave absorption of hierarchical dendrite-like Co superstructures self-assembly of nanoflakes. <b>2017</b> , 28, 485703	18
433	Broadening Electromagnetic Absorption Bandwidth: Design from Microscopic Dielectric-Magnetic Coupled Absorbers to Macroscopic Patterns. <b>2017</b> , 214, 1700589	13
432	Bimetallic zeolitic imidazolate frameworks-derived porous carbon-based materials with efficient synergistic microwave absorption properties: the role of calcining temperature. <b>2017</b> , 7, 46436-46444	27
431	Enhanced microwave-absorption performance of FeCoB/Polyimide-Graphene composite by electric field modulation. <b>2017</b> , 152, 222-230	19
430	Performance Vs Convenience of Magnetic Carbon-Metal Nanocomposites: A Low-Cost and Facile Citrate-Derived Strategy for FeCo Alloy/Carbon Composites with High-Performance Microwave Absorption. <b>2017</b> , 37, 301-326	11
429	Tailoring the input impedance of FeCo/C composites with efficient broadband absorption. <b>2017</b> , 46, 14926-14933	60
428	Magnetically Aligned Co-C/MWCNTs Composite Derived from MWCNT-Interconnected Zeolitic Imidazolate Frameworks for a Lightweight and Highly Efficient Electromagnetic Wave Absorber. <b>2017</b> , 9, 30850-30861	211
427	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. <b>2017</b> , 121, 21290-21304	78
426	Single-Layer and Double-Layer Microwave Absorbers Based on Graphene Nanosheets/Epoxy Resin Composite. <b>2017</b> , 12, 1750089	8
425	Dielectric polarization in electromagnetic wave absorption: Review and perspective. <b>2017</b> , 728, 1065-1075	240
424	Solvothermal synthesis of three-dimensional, Fe <sub>2</sub> O <sub>3</sub> NPs-embedded CNT/N-doped graphene composites with excellent microwave absorption performance. <b>2017</b> , 7, 45156-45169	54
423	Synthesis of Silanized MoS <sub>2</sub> /Reduced Graphene Oxide for Strong Radar Wave Absorption. <b>2017</b> , 56, 10667-10677	37
422	Enhanced Microwave Absorption Property of Fe Nanoparticles Encapsulated within Reduced Graphene Oxide with Different Thicknesses. <b>2017</b> , 56, 8872-8879	45

4 <sup>21</sup>	Electromagnetic wave absorption properties of a carbon nanotube modified by a tetrapyridinoporphyrazine interface layer. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7479-7488	7.1	116
4 <sup>20</sup>	Wide-domain controlled electromagnetic and microwave absorption properties of PANI/Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> composites. <b>2017</b> , 4, 075029		5
4 <sup>19</sup>	Superb electromagnetic wave-absorbing composites based on large-scale graphene and carbon nanotube films. <b>2017</b> , 7, 2349		44
4 <sup>18</sup>	3D heterostructure of graphene@Fe <sub>3</sub> O <sub>4</sub> @WO <sub>3</sub> @PANI: Preparation and excellent microwave absorption performance. <b>2017</b> , 231, 7-14		47
4 <sup>17</sup>	WITHDRAWN: Influence of Zn dispersion in SiC for obtaining tunable electromagnetic wave absorbing characteristics. <b>2017</b> ,		
4 <sup>16</sup>	Excellent microwave absorption properties by tuned electromagnetic parameters in polyaniline-coated Ba <sub>0.9</sub> La <sub>0.1</sub> Fe <sub>11.9</sub> Ni <sub>0.1</sub> O <sub>19</sub> /reduced graphene oxide nanocomposites. <b>2017</b> , 7, 36433-36443 <sup>60</sup>		
4 <sup>15</sup>	Salt leached viable porous Fe <sub>3</sub> O <sub>4</sub> decorated polyaniline @WCNH/PVDF composite spectacles as an admirable electromagnetic shielding efficiency in extended Ku-band region. <b>2017</b> , 129, 210-220		36
4 <sup>14</sup>	Wood-based straightway channel structure for high performance microwave absorption. <b>2017</b> , 124, 492-498		133
4 <sup>13</sup>	Microwave Absorption Properties of CoS Nanocrystals Embedded into Reduced Graphene Oxide. <b>2017</b> , 9, 28868-28875		169
4 <sup>12</sup>	Enhanced electromagnetic wave absorption properties of MoS <sub>2</sub> -graphene hybrid nanosheets prepared by a hydrothermal method. <b>2017</b> , 84, 104-109		11
4 <sup>11</sup>	Biosafety of Carbon-Based Nanoparticles and Nanocomposites. <b>2017</b> , 431-458		1
4 <sup>10</sup>	Synthesis of core-shell fishbone-like Cu@Ni composites and their electromagnetic wave absorption properties. <b>2017</b> , 319, 245-252		18
4 <sup>09</sup>	Modified carbon fiber/magnetic graphene/epoxy composites with synergistic effect for electromagnetic interference shielding over broad frequency band. <b>2017</b> , 506, 217-226		70
4 <sup>08</sup>	The effect of GO loading on electromagnetic wave absorption properties of Fe <sub>3</sub> O <sub>4</sub> /reduced graphene oxide hybrids. <b>2017</b> , 43, 13146-13153		64
4 <sup>07</sup>	Synthesis and microwave absorption properties of sandwich-type CNTs/Fe <sub>3</sub> O <sub>4</sub> /RGO composite with Fe <sub>3</sub> O <sub>4</sub> as a bridge. <b>2017</b> , 28, 15043-15049		7
4 <sup>06</sup>	Tunable electromagnetic wave absorption properties of nickel microspheres decorated reduced graphene oxide. <b>2017</b> , 43, 12904-12914		43
4 <sup>05</sup>	Controlled fabrication and microwave absorbing mechanism of hollow Fe <sub>3</sub> O <sub>4</sub> @C microspheres. <b>2017</b> , 60, 740-747		15
4 <sup>04</sup>	In situ preparation of carbon/Fe <sub>3</sub> C composite nanofibers with excellent electromagnetic wave absorption properties. <b>2017</b> , 92, 33-41		58

403	Synthesis of flake shaped carbonyl iron/reduced graphene oxide/polyvinyl pyrrolidone ternary nanocomposites and their microwave absorbing properties. <b>2017</b> , 695, 508-519	51
402	Hydrothermal synthesis of magnetic Fe <sub>3</sub> O <sub>4</sub> /graphene composites with good electromagnetic microwave absorbing performances. <b>2017</b> , 426, 114-120	66
401	Solvothermal Synthesis of Reduced Graphene Oxide/Ferroferric Oxide Hybrid Composites with Enhanced Microwave Absorption Properties. <b>2017</b> , 12, 1750144	11
400	NaCl leached sustainable porous flexible Fe <sub>3</sub> O <sub>4</sub> decorated RGO-polyaniline/PVDF composite for durable application against electromagnetic pollution. <b>2017</b> , 11, 419-433	13
399	Achieving tunability of effective electromagnetic wave absorption between the whole X-band and Ku-band via adjusting PPy loading in SiC nanowires/graphene hybrid foam. <b>2018</b> , 132, 430-443	91
398	Excellent Electromagnetic Wave Absorption of Iron-Containing SiBCN Ceramics at 1158 K High-Temperature. <b>2018</b> , 20, 1701168	73
397	Low-Cost Carbothermal Reduction Preparation of Monodisperse FeO/C Core-Shell Nanosheets for Improved Microwave Absorption. <b>2018</b> , 10, 16511-16520	165
396	Synthesis and Microwave Absorption Enhancement of [email protected] Hierarchical Structures. <b>2018</b> , 57, 5507-5516	55
395	Absorption and Reflection Contributions to the High Performance of Electromagnetic Waves Shielding Materials Fabricated by Compositing Leather Matrix with Metal Nanoparticles. <b>2018</b> , 10, 14036-14044	29
394	Microwave absorbing performance of polymer-derived SiCN (Ni) ceramics prepared from different nickel sources. <b>2018</b> , 749, 620-627	19
393	Strong mechanics and broadened microwave absorption of graphene-based sandwich structures and surface-patterned structures. <b>2018</b> , 29, 9683-9691	6
392	Highly oriented flake carbonyl iron/carbon fiber composite as thin-thickness and wide-bandwidth microwave absorber. <b>2018</b> , 744, 629-636	46
391	Carbon foams modified with in-situ formation of Si <sub>3</sub> N <sub>4</sub> and SiC for enhanced electromagnetic microwave absorption property and thermostability. <b>2018</b> , 44, 7141-7150	38
390	Polyaniline-stabilized electromagnetic wave absorption composites of reduced graphene oxide on magnetic carbon nanotube film. <b>2018</b> , 29, 155201	18
389	Preparation of reduced graphene oxide coated flaky carbonyl iron composites and their excellent microwave absorption properties. <b>2018</b> , 8, 2971-2977	22
388	Microwave absorption properties of reduced graphene oxide strontium hexaferrite/poly(methyl methacrylate) composites. <b>2018</b> , 29, 115605	55
387	Electromagnetic wave absorption properties of cement-based composites filled with graphene nano-platelets and hollow glass microspheres. <b>2018</b> , 162, 280-285	32
386	Tunable electromagnetically induced absorption based on graphene. <b>2018</b> , 413, 73-79	10

385	How to exhibit the efficient electromagnetic wave absorbing performance of RGO aerogels: less might be better. <b>2018</b> , 29, 5496-5500	27
384	TiC MXene: a promising microwave absorbing material.. <b>2018</b> , 8, 2398-2403	109
383	A facile approach to constructing efficiently segregated conductive networks in poly(lactic acid)/silver nanocomposites via silver plating on microfibers for electromagnetic interference shielding. <b>2018</b> , 156, 136-143	97
382	Synthesis, characterization and microwave characteristics of ATP/BaFe <sub>12</sub> O <sub>19</sub> /PANI ternary composites. <b>2018</b> , 457, 75-82	8
381	Microbuckling-Enhanced Electromagnetic-Wave-Absorbing Capability of a Stretchable Fe <sub>3</sub> O <sub>4</sub> /Carbon Nanotube/Poly(dimethylsiloxane) Composite Film. <b>2018</b> , 1, 2227-2236	13
380	Multi-scale design of electromagnetic composite metamaterials for broadband microwave absorption. <b>2018</b> , 162, 206-214	61
379	Synthesis of MoS <sub>2</sub> -reduced graphene oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposite for enhanced electromagnetic interference shielding effectiveness. <b>2018</b> , 5, 055028	23
378	Review: Recent process in the design of carbon-based nanostructures with optimized electromagnetic properties. <b>2018</b> , 749, 887-899	50
377	Effect of absorbers' composition on the microwave absorbing performance of hollow Fe <sub>3</sub> O <sub>4</sub> nanoparticles decorated CNTs/graphene/C composites. <b>2018</b> , 748, 706-716	49
376	One-step fabrication of N-doped CNTs encapsulating M nanoparticles (M = Fe, Co, Ni) for efficient microwave absorption. <b>2018</b> , 447, 244-253	79
375	Magnetic graphene enabled tunable microwave absorber via thermal control. <b>2018</b> , 29, 245706	36
374	Broadband and Lightweight Microwave Absorber Constructed by in Situ Growth of Hierarchical CoFeO/Reduced Graphene Oxide Porous Nanocomposites. <b>2018</b> , 10, 13860-13868	152
373	Electromagnetic wave absorption properties of nickel-containing polymer-derived SiCN ceramics. <b>2018</b> , 44, 10945-10950	16
372	Strengthened electromagnetic absorption performance derived from synergistic effect of carbon nanotube hybrid with Co@C beads. <b>2018</b> , 1, 149-159	70
371	Magnetism and Microwave Absorption Properties of Fe <sub>3</sub> O <sub>4</sub> Microflake/Paraffin Composites Without and With Magnetic Orientation. <b>2018</b> , 47, 721-729	9
370	Hybridizing polypyrrole chains with laminated and two-dimensional Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> toward high-performance electromagnetic wave absorption. <b>2018</b> , 434, 283-293	96
369	An approach to widen the electromagnetic shielding efficiency in PDMS/ferrous ferric oxide decorated RGO/BWCNH composite through pressure induced tunability. <b>2018</b> , 335, 501-509	41
368	Fe <sub>2</sub> O <sub>3</sub> nanoporous network fabricated from Fe <sub>3</sub> O <sub>4</sub> /reduced graphene oxide for high-performance ethanol gas sensor. <b>2018</b> , 255, 3275-3283	92



367	Waxberry-like carbon@polyaniline microspheres with high-performance microwave absorption. <b>2018</b> , 427, 451-457	64
366	Electrical conductivity, dielectric and microwave absorption properties of graphene nanosheets/magnesia composites. <b>2018</b> , 38, 1639-1646	39
365	Flexible electromagnetic wave absorbing composite based on 3D rGO-CNT-Fe <sub>3</sub> O <sub>4</sub> ternary films. <b>2018</b> , 129, 76-84	169
364	Enhanced microwave absorption performance of highly dispersed CoNi nanostructures arrayed on graphene. <b>2018</b> , 11, 2689-2704	82
363	Graphene-based microwave absorbing composites: A review and prospective. <b>2018</b> , 137, 260-277	383
362	Facile synthesis of highly conductive MoS <sub>2</sub> /graphene nanohybrids with hetero-structures as excellent microwave absorbers.. <b>2018</b> , 8, 36616-36624	11
361	Solid and macroporous FeC/N-C nanofibers with enhanced electromagnetic wave absorbability. <b>2018</b> , 8, 16832	22
360	Facile synthesis of ultrasmall Fe <sub>3</sub> O <sub>4</sub> nanoparticles on MXenes for high microwave absorption performance. <b>2018</b> , 115, 371-382	154
359	Improvement in Absorption of Microwaves by Incorporating Additives in Silica Phenolic Composite. <b>2018</b> , 778, 200-205	
358	Synthesis of popcorn-like Fe <sub>2</sub> O <sub>3</sub> /3D graphene sponge composites for excellent microwave absorption properties by a facile method. <b>2018</b> , 29, 19443-19453	14
357	Effect of physiochemical structure on energy absorption properties of plant fibers reinforced composites: Dielectric, thermal insulation, and sound absorption properties. <b>2018</b> , 10, 163-167	21
356	Ultrasmall Mo <sub>2</sub> C Nanoparticle-Decorated Carbon Polyhedrons for Enhanced Microwave Absorption. <b>2018</b> , 1, 5366-5376	60
355	Nitrogen-doped carbon nanosheets containing Fe <sub>3</sub> C nanoparticles encapsulated in nitrogen-doped graphene shells for high-performance electromagnetic wave absorbing materials. <b>2018</b> , 140, 368-376	68
354	Multi-band terahertz absorber exploiting graphene metamaterial. <b>2018</b> , 8, 2928	16
353	Preparation of High Mechanical Performance Nano-Fe <sub>3</sub> O <sub>4</sub> /Wood Fiber Binderless Composite Boards for Electromagnetic Absorption via a Facile and Green Method. <b>2018</b> , 8,	20
352	Facile Fabrication of Three-Dimensional Lightweight RGO/PPy Nanotube/FeO Aerogel with Excellent Electromagnetic Wave Absorption Properties. <b>2018</b> , 3, 5735-5743	45
351	Strong and thermostable SiC nanowires/graphene aerogel with enhanced hydrophobicity and electromagnetic wave absorption property. <b>2018</b> , 448, 138-144	52
350	Multifunctional Bicontinuous Composite Foams with Ultralow Percolation Thresholds. <b>2018</b> , 10, 20806-20815	16

349	Improving the Electromagnetic Wave Absorption Properties of the Layered MoS <sub>2</sub> by Cladding with Ni Nanoparticles. <b>2018</b> , 87, 054402	24
348	Enhanced shielding effectiveness in nanohybrids of graphene derivatives with FeO and EFeN in the X-band microwave region. <b>2018</b> , 10, 12018-12034	28
347	Porous coin-like Fe@MoS <sub>2</sub> composite with optimized impedance matching for efficient microwave absorption. <b>2018</b> , 457, 271-279	88
346	Enhanced Electromagnetic Wave Absorption of Three-Dimensional Porous Fe <sub>3</sub> O <sub>4</sub> /C Composite Flowers. <b>2018</b> , 6, 12471-12480	217
345	EMI shielding properties of laminated graphene and PbTiO <sub>3</sub> reinforced poly(3,4-ethylenedioxythiophene) nanocomposites. <b>2018</b> , 165, 222-230	58
344	Preparation of a microwave-responsive hollow-mesoporous Fe <sub>3</sub> O <sub>4</sub> /nGO composite for on-demand controllable drug release. <b>2018</b> , 42, 13406-13413	2
343	Formation of vertically oriented graphenes: what are the key drivers of growth?. <b>2018</b> , 5, 044002	25
342	Lightweight and highly efficient electromagnetic wave-absorbing of 3D CNTs/GNS@CoFe <sub>2</sub> O <sub>4</sub> ternary composite aerogels. <b>2018</b> , 768, 6-14	68
341	Engineering closed-cell structure in lightweight and flexible carbon foam composite for high-efficient electromagnetic interference shielding. <b>2018</b> , 136, 299-308	77
340	Core-Multishell Heterostructure with Excellent Heat Dissipation for Electromagnetic Interference Shielding. <b>2018</b> , 10, 30762-30773	70
339	Highly efficient microwave absorption properties and broadened absorption bandwidth of MoS <sub>2</sub> -iron oxide hybrids and MoS <sub>2</sub> -based reduced graphene oxide hybrids with Hetero-structures. <b>2018</b> , 462, 872-882	65
338	Achieving ultra-high electromagnetic wave absorption by anchoring Co <sub>0.33</sub> Ni <sub>0.33</sub> Mn <sub>0.33</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles on graphene sheets using microwave-assisted polyol method. <b>2018</b> , 44, 21015-21026	22
337	A new method for an efficient porous carbon/Fe <sub>3</sub> O <sub>4</sub> composite based electromagnetic wave absorber derived from a specially designed polyimide. <b>2018</b> , 155, 148-155	26
336	High-frequency magnetic properties and microwave absorption performance of oxidized Pr <sub>2</sub> Co <sub>17</sub> flakes/epoxy composite in x-band. <b>2018</b> , 468, 193-199	23
335	Porous corn-like Fe <sub>3</sub> O <sub>4</sub> nanosheets decorated fluffy graphene nanocomposites and their enhanced microwave absorption properties. <b>2018</b> , 29, 12178-12186	5
334	Ternary Fe <sub>3</sub> O <sub>4</sub> @C@PANi nanocomposites as high-performance supercapacitor electrode materials. <b>2018</b> , 53, 12322-12333	24
333	In Situ Preparation of Cobalt Nanoparticles Decorated in N-Doped Carbon Nanofibers as Excellent Electromagnetic Wave Absorbers. <b>2018</b> , 10, 22591-22601	76
332	Low temperature preparation of highly fluorinated multiwalled carbon nanotubes activated by FeO to enhance microwave absorbing property. <b>2018</b> , 29, 365703	10

331	Retracted Article: A versatile strategy for alternately arranging the foam ratio layers of multilayer graphene/thermoplastic polyurethane composite foams towards lightweight and broadband electromagnetic wave absorption.. <b>2019</b> , 9, 23843-23855		1
330	Hollow porous Fe <sub>2</sub> O <sub>3</sub> microspheres wrapped by reduced graphene oxides with high-performance microwave absorption. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11167-11176	7.1	37
329	Laminated microwave absorbers of A-site cation deficiency perovskite La <sub>0.8</sub> FeO <sub>3</sub> doped at hybrid RGO carbon. <b>2019</b> , 176, 107246		87
328	MnO <sub>2</sub> nanostructures deposited on graphene foams for broadband and lightweight electromagnetic absorption. <b>2019</b> , 810, 151744		15
327	Synthesis and remarkable microwave absorption properties of amine-functionalized magnetite/graphene oxide nanocomposites. <b>2019</b> , 809, 151779		20
326	Comparative study of microwave and conventional solvothermal synthesis for magnetic carbon nanocomposites and bio-oil from rice husk. <b>2019</b> , 7, 103266		11
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318	Flexible rGO/Fe <sub>3</sub> O <sub>4</sub> NPs/polyurethane film with excellent electromagnetic properties. <b>2019</b> , 28, 108103		3
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314	Solvothermal synthesis of porous superparamagnetic RGO@Fe <sub>3</sub> O <sub>4</sub> nanocomposites for microwave absorption. <b>2019</b> , 30, 17106-17118		3

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160	Enhanced microwave absorption properties of flaky MoS <sub>2</sub> powders by decorating with Ni particles. <b>2020</b> , 511, 166961	9
159	Ultrafine FeNi Nanocrystals Embedded in 3D Honeycomb-Like Carbon Matrix for High-Performance Microwave Absorption. <b>2020</b> , 10,	8
158	Preparation and properties of functional particle Fe <sub>3</sub> O <sub>4</sub> -rGO and its modified fiber/epoxy composite for high-performance microwave absorption structure. <b>2020</b> , 7, 045303	5
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155	CoFe <sub>2</sub> O <sub>4</sub> /Fe magnetic nanocomposite: Exchange coupling behavior and microwave absorbing property. <b>2020</b> , 46, 17903-17916	18
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