Mao-Sheng Cao

List of Publications by Citations

297 papers	24,738 citations	79 h-index	151 g-index
310 ext. papers	29,478 ext. citations	6 avg, IF	7.56 L-index

#	Paper	IF	Citations
297	The effects of temperature and frequency on the dielectric properties, electromagnetic interference shielding and microwave-absorption of short carbon fiber/silica composites. *Carbon*, **2010**, 48, 788-796	10.4	1264
296	Reduced graphene oxides: light-weight and high-efficiency electromagnetic interference shielding at elevated temperatures. *Advanced Materials*, **2014**, 26, 3484-9	24	1135
295	Temperature dependent microwave attenuation behavior for carbon-nanotube/silica composites. *Carbon*, **2013**, 65, 124-139	10.4	793
294	Ferroferric oxide/multiwalled carbon nanotube vs polyaniline/ferroferric oxide/multiwalled carbon nanotube multiheterostructures for highly effective microwave absorption. *ACS Applied Materials & Interfaces*, **2012**, 4, 6949-56	9.5	675
293	Enhanced microwave absorption property of reduced graphene oxide (RGO)-MnFe2O4 nanocomposites and polyvinylidene fluoride. *ACS Applied Materials & Interfaces*, **2014**, 6, 7471-8	9.5	578
292	Thermally Driven Transport and Relaxation Switching Self-Powered Electromagnetic Energy Conversion. *Small*, **2018**, 14, e1800987	11	511
291	Ultrathin graphene: electrical properties and highly efficient electromagnetic interference shielding. *Journal of Materials Chemistry C*, **2015**, 3, 6589-6599	7.1	457
290	2D MXenes: Electromagnetic property for microwave absorption and electromagnetic interference shielding. *Chemical Engineering Journal*, **2019**, 359, 1265-1302	14.7	418
289	Graphene/polyaniline nanorod arrays: synthesis and excellent electromagnetic absorption properties. *Journal of Materials Chemistry*, **2012**, 22, 21679		411
288	Flexible graphene/polymer composite films in sandwich structures for effective electromagnetic interference shielding. *Carbon*, **2014**, 66, 67-76	10.4	409
287	Electromagnetic Response and Energy Conversion for Functions and Devices in Low-Dimensional Materials. *Advanced Functional Materials*, **2019**, 29, 1807398	15.6	372
286	Temperature dependent microwave absorption of ultrathin graphene composites. *Journal of Materials Chemistry C*, **2015**, 3, 10017-10022	7.1	358
285	Graphene nanohybrids: excellent electromagnetic properties for the absorbing and shielding of electromagnetic waves. *Journal of Materials Chemistry C*, **2018**, 6, 4586-4602	7.1	351
284	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	13	341
283	Porous Fe3O4/Carbon Core/Shell Nanorods: Synthesis and Electromagnetic Properties. *Journal of Physical Chemistry C*, **2011**, 115, 13603-13608	3.8	329
282	Confinedly tailoring Fe3O4 clusters-NG to tune electromagnetic parameters and microwave absorption with broadened bandwidth. *Chemical Engineering Journal*, **2018**, 332, 321-330	14.7	312
281	A facile fabrication and highly tunable microwave absorption of 3D flower-like Co3O4-rGO hybrid-architectures. *Chemical Engineering Journal*, **2018**, 339, 487-498	14.7	311

280	Confinedly implanted NiFe2O4-rGO: Cluster tailoring and highly tunable electromagnetic properties for selective-frequency microwave absorption. *Nano Research*, **2018**, 11, 1426-1436	10	307
279	NiO hierarchical nanorings on SiC: enhancing relaxation to tune microwave absorption at elevated temperature. *ACS Applied Materials & Interfaces*, **2015**, 7, 7073-7	9.5	296
278	Quaternary nanocomposites consisting of graphene, Fe3O4@Fe core@shell, and ZnO nanoparticles: synthesis and excellent electromagnetic absorption properties. *ACS Applied Materials & Interfaces*, **2012**, 4, 6436-42	9.5	296
277	Dual nonlinear dielectric resonance and nesting microwave absorption peaks of hollow cobalt nanochains composites with negative permeability. *Applied Physics Letters*, **2009**, 95, 163108	3.4	295
276	Small magnetic nanoparticles decorating reduced graphene oxides to tune the electromagnetic attenuation capacity. *Journal of Materials Chemistry C*, **2016**, 4, 7130-7140	7.1	282
275	Multiscale Assembly of Grape-Like Ferroferric Oxide and Carbon Nanotubes: A Smart Absorber Prototype Varying Temperature to Tune Intensities. *ACS Applied Materials & Interfaces*, **2015**, 7, 19408-15	9.5	267
274	High dielectric loss and its monotonic dependence of conducting-dominated multiwalled carbon nanotubes/silica nanocomposite on temperature ranging from 373 to 873 K in X-band. *Applied Physics Letters*, **2009**, 94, 233110	3.4	267
273	Porous Fe3O4/SnO2 Core/Shell Nanorods: Synthesis and Electromagnetic Properties. *Journal of Physical Chemistry C*, **2009**, 113, 10061-10064	3.8	261
272	Enhanced Dielectric Properties and Excellent Microwave Absorption of SiC Powders Driven with NiO Nanorings. *Advanced Optical Materials*, **2014**, 2, 214-219	8.1	251
271	Two-dimensional nanosheets of MoS2: a promising material with high dielectric properties and microwave absorption performance. *Nanoscale*, **2015**, 7, 15734-40	7.7	250
270	Highly ordered porous carbon/wax composites for effective electromagnetic attenuation and shielding. *Carbon*, **2014**, 77, 130-142	10.4	242
269	Electromagnetic Property and Tunable Microwave Absorption of 3D Nets from Nickel Chains at Elevated Temperature. *ACS Applied Materials & Interfaces*, **2016**, 8, 22615-22	9.5	242
268	3D Fe3O4 nanocrystals decorating carbon nanotubes to tune electromagnetic properties and enhance microwave absorption capacity. *Journal of Materials Chemistry A*, **2015**, 3, 12621-12625	13	240
267	Enhanced wave absorption of nanocomposites based on the synthesized complex symmetrical CuS nanostructure and poly(vinylidene fluoride). *Journal of Materials Chemistry A*, **2013**, 1, 4685	13	235
266	Synthesis, Multi-Nonlinear Dielectric Resonance, and Excellent Electromagnetic Absorption Characteristics of Fe3O4/ZnO Core/Shell Nanorods. *Journal of Physical Chemistry C*, **2010**, 114, 9239-9244	3.8	235
265	Controllable fabrication of mono-dispersed RGO–hematite nanocomposites and their enhanced wave absorption properties. *Journal of Materials Chemistry A*, **2013**, 1, 5996	13	228
264	Microwave absorption properties and mechanism of cagelike ZnO–SiO2 nanocomposites. *Applied Physics Letters*, **2007**, 91, 203110	3.4	226
263	Temperature- and thickness-dependent electrical conductivity of few-layer graphene and graphene nanosheets. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 2245-2251	2.3	205

262	Polymer-composite with high dielectric constant and enhanced absorption properties based on grapheneCuS nanocomposites and polyvinylidene fluoride. *Journal of Materials Chemistry A*, **2013**, 1, 12115	13	201
261	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	7.1	199
260	GrapheneFe3O4 nanohybrids: Synthesis and excellent electromagnetic absorption properties. *Journal of Applied Physics*, **2013**, 113, 024314	2.5	188
259	High-temperature microwave absorption and evolutionary behavior of multiwalled carbon nanotube nanocomposite. *Scripta Materialia*, **2009**, 61, 201-204	5.6	177
258	Tuning three-dimensional textures with graphene aerogels for ultra-light flexible graphene/texture composites of effective electromagnetic shielding. *Carbon*, **2015**, 93, 151-160	10.4	171
257	Chemical reduction dependent dielectric properties and dielectric loss mechanism of reduced graphene oxide. *Carbon*, **2018**, 127, 209-217	10.4	163
256	Interfacial engineering of carbon nanofiber-graphene-carbon nanofiber heterojunctions in flexible lightweight electromagnetic shielding networks. *ACS Applied Materials & Interfaces*, **2014**, 6, 10516-23	9.5	163
255	Magnetic and conductive graphene papers toward thin layers of effective electromagnetic shielding. *Journal of Materials Chemistry A*, **2015**, 3, 2097-2107	13	162
254	Strong and thermostable polymeric graphene/silica textile for lightweight practical microwave absorption composites. *Carbon*, **2016**, 100, 109-117	10.4	160
253	Matching design and mismatching analysis towards radar absorbing coatings based on conducting plate. *Materials & Design*, **2003**, 24, 391-396		149
252	Facile fabrication of ultrathin graphene papers for effective electromagnetic shielding. *Journal of Materials Chemistry C*, **2014**, 2, 5057-5064	7.1	138
251	Electronic Structure and Electromagnetic Properties for 2D Electromagnetic Functional Materials in Gigahertz Frequency. *Annalen Der Physik*, **2019**, 531, 1800390	2.6	136
250	Variable-Temperature Electron Transport and Dipole Polarization Turning Flexible Multifunctional Microsensor beyond Electrical and Optical Energy. *Advanced Materials*, **2020**, 32, e1907156	24	135
249	Unusual continuous dual absorption peaks in Ca-doped BiFeO3 nanostructures for broadened microwave absorption. *Nanoscale*, **2016**, 8, 10415-24	7.7	128
248	Molecular Patching Engineering to Drive Energy Conversion as Efficient and Environment-Friendly Cell toward Wireless Power Transmission. *Advanced Functional Materials*, **2020**, 30, 1908299	15.6	125
247	Controllable synthesis of uniform ZnO nanorods and their enhanced dielectric and absorption properties. *Journal of Materials Chemistry A*, **2014**, 2, 8644-8651	13	125
246	Nonlinear resonant and high dielectric loss behavior of CdSFe2O3 heterostructure nanocomposites. *Applied Physics Letters*, **2008**, 93, 183118	3.4	123
245	Eco-mimetic nanoarchitecture for green EMI shielding. *Chemical Engineering Journal*, **2019**, 369, 1068-1077	14.7	118

244	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	10	117
243	Lightweight and High-Performance Microwave Absorber Based on 2D WS-RGO Heterostructures. *Nano-Micro Letters*, **2019**, 11, 38	19.5	116
242	Synthesis and enhanced ethanol sensing characteristics of alpha-Fe2O3/SnO2 core-shell nanorods. *Nanotechnology*, **2009**, 20, 045502	3.4	116
241	Atomic Layer Tailoring Titanium Carbide MXene To Tune Transport and Polarization for Utilization of Electromagnetic Energy beyond Solar and Chemical Energy. *ACS Applied Materials & Interfaces*, **2019**, 11, 12535-12543	9.5	115
240	Heterogeneous p-n Junction CdS/CuO Nanorod Arrays: Synthesis and Superior Visible-Light-Driven Photoelectrochemical Performance for Hydrogen Evolution. *ACS Applied Materials & Interfaces* , **2018**, 10, 11652-11662	9.5	115
239	Polarization enhancement of microwave absorption by increasing aspect ratio of ellipsoidal nanorattles with Fe3O4 cores and hierarchical CuSiO3 shells. *Nanoscale*, **2014**, 6, 5782-90	7.7	113
238	Tailoring TiCT nanosheets to tune local conductive network as an environmentally friendly material for highly efficient electromagnetic interference shielding. *Nanoscale*, **2019**, 11, 6080-6088	7.7	112
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235	Synthesis of zinc oxide particles coated multiwalled carbon nanotubes: Dielectric properties, electromagnetic interference shielding and microwave absorption. *Materials Research Bulletin*, **2012**, 47, 1747-1754	5.1	108
234	Nd doping of bismuth ferrite to tune electromagnetic properties and increase microwave absorption by magnetic□dielectric synergy. *Journal of Materials Chemistry C*, **2015**, 3, 9276-9282	7.1	107
233	Assembling Nano-Microarchitecture for Electromagnetic Absorbers and Smart Devices. *Advanced Materials*, **2020**, 32, e2002112	24	107
232	Improving the antistatic ability of polypropylene fibers by inner antistatic agent filled with carbon nanotubes. *Composites Science and Technology*, **2004**, 64, 2089-2096	8.6	104
231	Carbon nanotube-CdS core-shell nanowires with tunable and high-efficiency microwave absorption at elevated temperature. *Nanotechnology*, **2016**, 27, 065702	3.4	104
230	Polymer composites with enhanced wave absorption properties based on modified graphite and polyvinylidene fluoride. *Journal of Materials Chemistry A*, **2013**, 1, 7031	13	101
229	Diverse Metal□Organic Framework Architectures for Electromagnetic Absorbers and Shielding. *Advanced Functional Materials*, **2021**, 31, 2100470	15.6	101
228	Tailoring MOF-based materials to tune electromagnetic property for great microwave absorbers and devices. *Carbon*, **2020**, 162, 157-171	10.4	96
227	Silicon carbide powders: Temperature-dependent dielectric properties and enhanced microwave absorption at gigahertz range. *Solid State Communications*, **2013**, 163, 1-6	1.6	95

226	The enhanced polarization relaxation and excellent high-temperature dielectric properties of N-doped SiC. *Applied Physics Letters*, **2014**, 104, 052102	3.4	91
225	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	7.1	90
224	The synthesis and selective gas sensing characteristics of SnO(2)/□Fe(2)O(3) hierarchical nanostructures. *Nanotechnology*, **2008**, 19, 205603	3.4	87
223	A Nano-Micro Engineering Nanofiber for Electromagnetic Absorber, Green Shielding and Sensor. *Nano-Micro Letters*, **2020**, 13, 27	19.5	87
222	Sol□gel synthesis of Nd-doped BiFeO3 multiferroic and its characterization. *Ceramics International*, **2015**, 41, 8768-8772	5.1	86
221	Phase diagram and properties of Pb(In1/2Nb1/2)O3□Pb(Mg1/3Nb2/3)O3□PbTiO3 polycrystalline ceramics. *Journal of the European Ceramic Society*, **2012**, 32, 433-439	6	82
220	One-step fabrication of N-doped CNTs encapsulating M nanoparticles (M = Fe, Co, Ni) for efficient microwave absorption. *Applied Surface Science*, **2018**, 447, 244-253	6.7	79
219	Nickel layer deposition on SiC nanoparticles by simple electroless plating and its dielectric behaviors. *Powder Technology*, **2006**, 168, 84-88	5.2	79
218	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	8.3	79
217	Hierarchical three-dimensional flower-like Co3O4 architectures with a mesocrystal structure as high capacity anode materials for long-lived lithium-ion batteries. *Nano Research*, **2018**, 11, 1437-1446	10	78
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215	Alignment of graphene sheets in wax composites for electromagnetic interference shielding improvement. *Nanotechnology*, **2013**, 24, 115708	3.4	77
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213	Enhanced ferromagnetism and microwave absorption properties of BiFeO3 nanocrystals with Ho substitution. *Materials Letters*, **2012**, 84, 110-113	3.3	76
212	A wearable microwave absorption cloth. *Journal of Materials Chemistry C*, **2017**, 5, 2432-2441	7.1	74
211	Microwave absorption properties of multiferroic BiFeO3 nanoparticles. *Materials Letters*, **2009**, 63, 1344-1346	3.3	74
210	Microwave synthesis of Al-doped SiC powders and study of their dielectric properties. *Materials Research Bulletin*, **2010**, 45, 247-250	5.1	74
209	Enhanced photoelectrochemical properties of ZnO/ZnSe/CdSe/Cu2-xSe core□shell nanowire arrays fabricated by ion-replacement method. *Applied Catalysis B: Environmental*, **2017**, 209, 110-117	21.8	72

208	Controllable Fabrication of CuS Hierarchical Nanostructures and Their Optical, Photocatalytic, and Wave Absorption Properties. *ChemPlusChem*, **2013**, 78, 250-258	2.8	71
207	Highly Efficient Microwave Absorption of Magnetic Nanospindle-Conductive Polymer Hybrids by Molecular Layer Deposition. *ACS Applied Materials & Interfaces*, **2017**, 9, 11116-11125	9.5	70
206	Polymer/carbon nanocomposites for enhanced thermal transport properties carbon nanotubes versus graphene sheets as nanoscale fillers. *Journal of Materials Chemistry*, **2012**, 22, 17133		69
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204	Fabrication of Reduced Graphene Oxide (RGO)/Co O Nanohybrid Particles and a RGO/Co O /Poly(vinylidene fluoride) Composite with Enhanced Wave-Absorption Properties. *ChemPlusChem*, **2014**, 79, 375-381	2.8	68
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202	Electroless nickel plating on silicon carbide nanoparticles. *Surface and Coatings Technology*, **2003**, 172, 90-94	4.4	66
201	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	6.7	65
200	Electromagnetic Functions of Patterned 2D Materials for Micro Nano Devices Covering GHz, THz, and Optical Frequency. *Advanced Optical Materials*, **2019**, 7, 1900689	8.1	64
199	Self-Assembly Construction of WS-rGO Architecture with Green EMI Shielding. *ACS Applied Materials & Interfaces*, **2019**, 11, 26807-26816	9.5	64
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197	Thermal frequency shift and tunable microwave absorption in BiFeO3 family. *Scientific Reports*, **2016**, 6, 24837	4.9	61
196	Low-temperature densification of TiB2 ceramic by the spark plasma sintering process with Ti as a sintering aid. *Scripta Materialia*, **2012**, 66, 167-170	5.6	61
195	Wire-in-tube ZnO@carbon by molecular layer deposition: Accurately tunable electromagnetic parameters and remarkable microwave absorption. *Chemical Engineering Journal*, **2020**, 382, 122860	14.7	61
194	Electrospinning and in-situ hierarchical thermal treatment to tailor C NiCo2O4 nanofibers for tunable microwave absorption. *Carbon*, **2021**, 171, 953-962	10.4	61
193	High-temperature dielectric properties and enhanced temperature-response attenuation of MnO2 nanorods. *Applied Physics Letters*, **2008**, 93, 223112	3.4	60
192	Ultrathin Topological Insulator Absorber: Unique Dielectric Behavior of BiTe Nanosheets Based on Conducting Surface States. *ACS Applied Materials & Interfaces*, **2019**, 11, 33285-33291	9.5	59
191	Ni-decorated SiC powders: Enhanced high-temperature dielectric properties and microwave absorption performance. *Powder Technology*, **2013**, 237, 309-313	5.2	59

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189	Investigation of Ternary System PbHfO3–PbTiO3–Pb(Mg1/3Nb2/3)O3 with Morphotropic Phase Boundary Compositions. *Journal of the American Ceramic Society*, **2012**, 95, 3220-3228	3.8	58
188	High-efficiency and dynamic stable electromagnetic wave attenuation for La doped bismuth ferrite at elevated temperature and gigahertz frequency. *RSC Advances*, **2015**, 5, 77184-77191	3.7	56
187	Multiple electrical response and enhanced energy storage induced by unusual coexistent-phase structure in relaxor ferroelectric ceramics. *Acta Materialia*, **2018**, 146, 202-210	8.4	56
186	Electrical conductivity and microwave absorption of shortened multi-walled carbon nanotube/alumina ceramic composites. *Ceramics International*, **2013**, 39, 5979-5983	5.1	54
185	High-performance microwave absorption materials based on MoS2-graphene isomorphic hetero-structures. *Journal of Alloys and Compounds*, **2018**, 758, 62-71	5.7	53
184	Effect of ZnO whisker content on sinterability and fracture behaviour of PZT peizoelectric composites. *Journal of Alloys and Compounds*, **2010**, 504, 123-128	5.7	52
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180	Microwave responses and general model of nanotetraneedle ZnO: Integration of interface scattering, microcurrent, dielectric relaxation, and microantenna. *Journal of Applied Physics*, **2010**, 107, 054304	2.5	50
179	Developing MXenes from Wireless Communication to Electromagnetic Attenuation. *Nano-Micro Letters*, **2021**, 13, 115	19.5	50
178	Oxidizing annealing effects on VO2 films with different microstructures. *Applied Surface Science*, **2015**, 345, 232-237	6.7	49
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176	Production of Ni-Doped SiC Nanopowders and their Dielectric Properties. *Journal of the American Ceramic Society*, **2011**, 94, 1523-1527	3.8	48
175	Mechanical reinforcement and piezoelectric properties of nanocomposites embedded with ZnO nanowhiskers. *Scripta Materialia*, **2008**, 59, 780-783	5.6	48
174	Effect of surface dangling bonds on transport properties of phosphorous doped SiC nanowires. *Physica E: Low-Dimensional Systems and Nanostructures*, **2018**, 104, 247-253	3	47
173	Synthesis and growth mechanism of 3D MnO2 clusters and their application in polymer composites with enhanced microwave absorption properties. *RSC Advances*, **2013**, 3, 18009	3.7	47

172	Photoresponse of SnO2nanobelts grownin situon interdigital electrodes. *Nanotechnology*, **2007**, 18, 285502	3.4	46
171	Morphology-controlled synthesis and growth mechanism of lead-free bismuth sodium titanate nanostructures via the hydrothermal route. *CrystEngComm*, **2013**, 15, 3984	3.3	44
170	High dielectric loss and microwave absorption behavior of multiferroic BiFeO 3 ceramic. *Ceramics International*, **2013**, 39, 7241-7246	5.1	44
169	Microwave permittivity and permeability experiments in high-loss dielectrics: Caution with implicit Fabry-P□ot resonance for negative imaginary permeability. *Applied Physics Letters*, **2013**, 103, 162905	3.4	44
168	Enhancing electromagnetic wave absorption performance of Co3O4 nanoparticles functionalized MoS2 nanosheets. *Journal of Alloys and Compounds*, **2020**, 829, 154531	5.7	43
167	A nanoscale core-shell of □SiCP□Ni prepared by electroless plating at lower temperature. *Surface and Coatings Technology*, **2006**, 201, 108-112	4.4	43
166	Structure, ferromagnetism and microwave absorption properties of La substituted BiFeO3 nanoparticles. *Materials Letters*, **2013**, 111, 130-133	3.3	42
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163	Tailoring rGO-NiFe2O4 hybrids to tune transport of electrons and ions for supercapacitor electrodes. *Journal of Alloys and Compounds*, **2019**, 811, 152011	5.7	39
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161	Structural stability, electronic and optical properties of Ni-doped 3C□SiC by first principles calculation. *Journal of Alloys and Compounds*, **2011**, 509, 6117-6122	5.7	39
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157	Assembling 3D flower-like Co3O4-MWCNT architecture for optimizing low-frequency microwave absorption. *Carbon*, **2021**, 174, 638-646	10.4	37
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155	Investigation of ternary system Pb(Sn,Ti)O3□Pb(Mg1/3Nb2/3)O3 with morphotropic phase boundary compositions. *Journal of the European Ceramic Society*, **2012**, 32, 441-448	6	36

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153	Effects of hydroxyl groups and hydrogen passivation on the structure, electrical and optical properties of silicon carbide nanowires. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126106	2.3	34
152	Electromagnetic and microwave absorbing properties of magnetite nanoparticles decorated carbon nanotubes/polyaniline multiphase heterostructures. *Journal of Materials Science*, **2014**, 49, 7221-7230	4.3	32
151	Effects of Nb, Mn doping on the Structure, Piezoelectric, and Dielectric Properties of 0.8Pb(Sn0.46Ti0.54)O3–0.2Pb(Mg1/3Nb2/3)O3 Piezoelectric Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 3440-3447	3.8	32
150	Enhanced microwave absorption properties of Co-doped SiC at elevated temperature. *Applied Surface Science*, **2018**, 445, 383-390	6.7	31
149	NiFe Layered Double Hydroxide on Nitrogen Doped TiO2 Nanotube Arrays toward Efficient Oxygen Evolution. *ACS Applied Energy Materials*, **2019**, 2, 5960-5967	6.1	31
148	Study on synthesis and evolution of sodium potassium niobate ceramic powders by an oxalic acid-based sol–gel method. *Journal of Sol-Gel Science and Technology*, **2011**, 57, 31-35	2.3	31
147	Flexible Semitransparent Energy Harvester with High Pressure Sensitivity and Power Density Based on Laterally Aligned PZT Single-Crystal Nanowires. *ACS Applied Materials & Interfaces*, **2017**, 9, 24696-24703	8.5	30
146	Evolution of Structural and Electrical Properties of Oxygen-Deficient VO under Low Temperature Heating Process. *ACS Applied Materials & Interfaces*, **2017**, 9, 27135-27141	9.5	30
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144	Enhanced piezoelectric and mechanical properties of ZnO whiskers and Sb2O3 co-modified lead zirconate titanate composites. *Materials Letters*, **2010**, 64, 1798-1801	3.3	29
143	Initiating VB-Group Laminated NbS2 Electromagnetic Wave Absorber toward Superior Absorption Bandwidth as Large as 6.48 GHz through Phase Engineering Modulation. *Advanced Functional Materials*,2108194	15.6	29
142	Catalyst-free synthesis, growth mechanism and optical properties of multipod ZnO with nanonail-like legs. *Scripta Materialia*, **2006**, 54, 2057-2061	5.6	28
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137	Enhanced Wave-Absorption Properties of Nanocomposites Based on the Synthesized Bi2S3 Nanorods and Polyvinylidene Fluoride. *ChemPlusChem*, **2014**, 79, 1089-1095	2.8	26

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