

Renchao Che

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241
papers

12,234
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58
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103
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252
ext. papers

16,566
ext. citations

11
avg, IF

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L-index

#	Paper	IF	Citations
241	CoNi@SiO ₂ @TiO ₂ and CoNi@Air@TiO ₂ Microspheres with Strong Wideband Microwave Absorption. <i>Advanced Materials</i> , 2016 , 28, 486-90	24	1053
240	Microwave absorption enhancement of multifunctional composite microspheres with spinel Fe ₃ O ₄ Cores and Anatase TiO ₂ shells. <i>Small</i> , 2012 , 8, 1214-21	11	621
239	Cross-stacking aligned carbon-nanotube films to tune microwave absorption frequencies and increase absorption intensities. <i>Advanced Materials</i> , 2014 , 26, 8120-5	24	548
238	Enhanced Microwave Absorption Performance from Magnetic Coupling of Magnetic Nanoparticles Suspended within Hierarchically Tubular Composite. <i>Advanced Functional Materials</i> , 2019 , 29, 1901448	15.6	321
237	One-Step Fabrication of Ultrathin Porous Nickel Hydroxide-Manganese Dioxide Hybrid Nanosheets for Supercapacitor Electrodes with Excellent Capacitive Performance. <i>Advanced Energy Materials</i> , 2013 , 3, 1636-1646	21.8	304
236	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. <i>Chemistry of Materials</i> , 2013 , 25, 106-112	9.6	240
235	MOF-derived yolk-shell Ni@C@ZnO Schottky contact structure for enhanced microwave absorption. <i>Chemical Engineering Journal</i> , 2020 , 383, 123099	14.7	207
234	Hierarchical carbon nanocages confining high-loading sulfur for high-rate lithium-sulfur batteries. <i>Nano Energy</i> , 2015 , 12, 657-665	17.1	196
233	Magnetic vortex core-shell Fe ₃ O ₄ @C nanorings with enhanced microwave absorption performance. <i>Carbon</i> , 2020 , 157, 130-139	10.4	186
232	Mesostructured NiO/Ni composites for high-performance electrochemical energy storage. <i>Energy and Environmental Science</i> , 2016 , 9, 2053-2060	35.4	180
231	Hollow Engineering to Co@N-Doped Carbon Nanocages via Synergistic Protecting-Etching Strategy for Ultrahigh Microwave Absorption. <i>Advanced Functional Materials</i> , 2021 , 31, 2102812	15.6	175
230	Multidimension-Controllable Synthesis of MOF-Derived Co@N-Doped Carbon Composite with Magnetic-Dielectric Synergy toward Strong Microwave Absorption. <i>Small</i> , 2020 , 16, e2000158	11	170
229	Hierarchical Fe ₃ O ₄ @TiO ₂ yolk-shell microspheres with enhanced microwave-absorption properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 6746-52	4.8	169
228	Boosted Interfacial Polarization from Multishell TiO ₂ @Fe ₃ O ₄ @PPy Heterojunction for Enhanced Microwave Absorption. <i>Small</i> , 2019 , 15, e1902885	11	167
227	Dipolar-Distribution Cavity Fe ₃ O ₄ @C@MnO Nanospindle with Broadened Microwave Absorption Bandwidth by Chemically Etching. <i>Small</i> , 2017 , 13, 1602779	11	163
226	Synthesis and microwave absorption of uniform hematite nanoparticles and their core-shell mesoporous silica nanocomposites. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6706		163
225	Synthesis and microwave absorption properties of yolk-shell microspheres with magnetic iron oxide cores and hierarchical copper silicate shells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2503-9	9.5	162

224	Edge-mediated skyrmion chain and its collective dynamics in a confined geometry. <i>Nature Communications</i> , 2015 , 6, 8504	17.4	159
223	Double-Shelled Yolk-Shell Microspheres with Fe ₃ O ₄ Cores and SnO ₂ Double Shells as High-Performance Microwave Absorbers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 489-495	3.8	150
222	Alloyed Co-Mo Nitride as High-Performance Electrocatalyst for Oxygen Reduction in Acidic Medium. <i>ACS Catalysis</i> , 2015 , 5, 1857-1862	13.1	149
221	Dependency of magnetic microwave absorption on surface architecture of Co ₂₀ Ni ₈₀ hierarchical structures studied by electron holography. <i>Nanoscale</i> , 2015 , 7, 1736-43	7.7	144
220	Insights into size-dominant magnetic microwave absorption properties of CoNi microflowers via off-axis electron holography. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4233-40	9.5	142
219	Tunable Microwave Absorption Frequency by Aspect Ratio of Hollow Polydopamine@MnO ₂ Microspindles Studied by Electron Holography. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9782-9	9.5	136
218	Oriented Polarization Tuning Broadband Absorption from Flexible Hierarchical ZnO Arrays Vertically Supported on Carbon Cloth. <i>Small</i> , 2019 , 15, e1900900	11	133
217	Galvanic Replacement Reaction Involving Core-Shell Magnetic Chains and Orientation-Tunable Microwave Absorption Properties. <i>Small</i> , 2020 , 16, e2003502	11	129
216	Ultrathin BaTiO ₃ nanowires with high aspect ratio: a simple one-step hydrothermal synthesis and their strong microwave absorption. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7146-51	9.5	124
215	Ligand-Assisted Assembly Approach to Synthesize Large-Pore Ordered Mesoporous Titania with Thermally Stable and Crystalline Framework. <i>Advanced Energy Materials</i> , 2011 , 1, 241-248	21.8	123
214	Rational design of 2D hierarchically laminated Fe ₃ O ₄ @nanoporous carbon@rGO nanocomposites with strong magnetic coupling for excellent electromagnetic absorption applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2123-2134	7.1	119
213	Enhanced Polarization from Hollow Cube-like ZnSnO Wrapped by Multiwalled Carbon Nanotubes: As a Lightweight and High-Performance Microwave Absorber. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22602-22610	9.5	118
212	Polarization enhancement of microwave absorption by increasing aspect ratio of ellipsoidal nanorattles with Fe ₃ O ₄ cores and hierarchical CuSiO ₃ shells. <i>Nanoscale</i> , 2014 , 6, 5782-90	7.7	113
211	Yolk-Shell Fe ₃ O ₄ @ZrO ₂ prepared by a tunable polymer surfactant assisted sol-gel method for high temperature stable microwave absorption. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7275-7283	7.1	109
210	Controllable Fabrication of Two-Dimensional Patterned VO Nanoparticle, Nanodome, and Nanonet Arrays with Tunable Temperature-Dependent Localized Surface Plasmon Resonance. <i>ACS Nano</i> , 2017 , 11, 7542-7551	16.7	107
209	Radially oriented mesoporous TiO ₂ microspheres with single-crystal-like anatase walls for high-efficiency optoelectronic devices. <i>Science Advances</i> , 2015 , 1, e1500166	14.3	106
208	General synthesis of xLi ₂ MnO ₃ [(1-x)LiMn _{1/3} Ni _{1/3} Co _{1/3} O ₂] nanomaterials by a molten-salt method: towards a high capacity and high power cathode for rechargeable lithium batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25380		106
207	Morphology-controlled synthesis and excellent microwave absorption performance of ZnCoO nanostructures via a self-assembly process of flake units. <i>Nanoscale</i> , 2019 , 11, 2694-2702	7.7	103

206	Plasma-induced FeSiAl@Al ₂ O ₃ @SiO ₂ core-shell structure for exceptional microwave absorption and anti-oxidation at high temperature. <i>Chemical Engineering Journal</i> , 2020 , 384, 123371	14.7	102
205	Self-Assembly-Magnetized MXene Avoid Dual-Agglomeration with Enhanced Interfaces for Strong Microwave Absorption through a Tunable Electromagnetic Property. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44536-44544	9.5	97
204	MOF-Derived NiCo@Carbon with Tunable Nano-Microstructure as Lightweight and Highly Efficient Electromagnetic Wave Absorber. <i>Nano-Micro Letters</i> , 2020 , 12, 150	19.5	95
203	Designed fabrication and characterization of three-dimensionally ordered arrays of core-shell magnetic mesoporous carbon microspheres. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5312-9	9.5	94
202	Direct imaging of magnetic field-driven transitions of skyrmion cluster states in FeGe nanodisks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4918-23	11.5	94
201	Ultrabroad Band Microwave Absorption of Carbonized Waxberry with Hierarchical Structure. <i>Small</i> , 2019 , 15, e1902974	11	92
200	Synthesis of uniform ordered mesoporous TiO microspheres with controllable phase junctions for efficient solar water splitting. <i>Chemical Science</i> , 2019 , 10, 1664-1670	9.4	82
199	3D hierarchical local heterojunction of MoS ₂ /FeS ₂ for enhanced microwave absorption. <i>Chemical Engineering Journal</i> , 2020 , 379, 122241	14.7	79
198	Hierarchical magnetic yolk-shell microspheres with mixed barium silicate and barium titanium oxide shells for microwave absorption enhancement. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9277		76
197	Dandelion-like Mn/Ni Co-doped CoO/C Hollow Microspheres with Oxygen Vacancies for Advanced Lithium Storage. <i>ACS Nano</i> , 2019 , 13, 11921-11934	16.7	74
196	Efficient synergism of electrocatalysis and physical confinement leading to durable high-power lithium-sulfur batteries. <i>Nano Energy</i> , 2019 , 57, 34-40	17.1	73
195	Covalent Assembly of MoS Nanosheets with SnS Nanodots as Linkages for Lithium/Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14621-14627	16.4	71
194	Electrical probing of field-driven cascading quantized transitions of skyrmion cluster states in MnSi nanowires. <i>Nature Communications</i> , 2015 , 6, 7637	17.4	68
193	Conductive-network enhanced microwave absorption performance from carbon coated defect-rich Fe ₂ O ₃ anchored on multi-wall carbon nanotubes. <i>Carbon</i> , 2019 , 155, 298-308	10.4	66
192	Shape-controlled fabrication of magnetite silver hybrid nanoparticles with high performance magnetic hyperthermia. <i>Biomaterials</i> , 2017 , 124, 35-46	15.6	65
191	"Matryoshka Doll"-Like CeO Microspheres with Hierarchical Structure To Achieve Significantly Enhanced Microwave Absorption Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27540-27547	9.5	65
190	A facile phase transformation method for the preparation of 3D flower-like Ni(OH) ₂ /GO/CNTs composite with excellent supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12692-12696	13	65
189	Ultrathin flexible poly(vinylidene fluoride)/MXene/silver nanowire film with outstanding specific EMI shielding and high heat dissipation. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 505-513	8.7	65

188	Nickel-Cobalt Double Hydroxide as a Multifunctional Mediator for Ultrahigh-Rate and Ultralong-Life LiS Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1802431	21.8	64
187	Mesoporous TiO ₂ Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. <i>ACS Central Science</i> , 2015 , 1, 400-8	16.8	63
186	Synthesis of Au and Au ₂ O cubic microcages via an in situ sacrificial template approach. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3960		62
185	Yolk-Shell Fe/Fe N@Pd/C Magnetic Nanocomposite as an Efficient Recyclable ORR Electrocatalyst and SERS Substrate. <i>Small</i> , 2019 , 15, e1805032	11	61
184	Gate-tunable quantum oscillations in ambipolar Cd ₃ As ₂ thin films. <i>NPG Asia Materials</i> , 2015 , 7, e221-e221o.3		60
183	Conductive Copper Niobate: Superior Li ⁺ -Storage Capability and Novel Li ⁺ -Transport Mechanism. <i>Advanced Energy Materials</i> , 2019 , 9, 1902174	21.8	56
182	Magnetized MXene Microspheres with Multiscale Magnetic Coupling and Enhanced Polarized Interfaces for Distinct Microwave Absorption via a Spray-Drying Method. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18138-18147	9.5	56
181	Hierarchical hollow Li ₄ Ti ₅ O ₁₂ urchin-like microspheres with ultra-high specific surface area for high rate lithium ion batteries. <i>Nano Research</i> , 2014 , 7, 1043-1053	10	52
180	Enhanced polarization from flexible hierarchical MnO arrays on cotton cloth with excellent microwave absorption. <i>Nanoscale</i> , 2019 , 11, 13269-13281	7.7	51
179	Ferromagnetic Co ₂₀ Ni ₈₀ nanoparticles encapsulated inside reduced graphene oxide layers with superior microwave absorption performance. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2943-2953	7.1	51
178	Interaction of Individual Skyrmions in a Nanostructured Cubic Chiral Magnet. <i>Physical Review Letters</i> , 2018 , 120, 197203	7.4	50
177	Flexible Graphene-Wrapped Carbon Nanotube/Graphene@MnO 3D Multilevel Porous Film for High-Performance Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1801007	11	49
176	Interfacial Charge Field in Hierarchical Yolk-Shell Nanocapsule Enables Efficient Immobilization and Catalysis of Polysulfides Conversion. <i>Advanced Energy Materials</i> , 2019 , 9, 1901667	21.8	47
175	Nanoporous TiNbO/C Composite Microspheres with Three-Dimensional Conductive Network for Long-Cycle-Life and High-Rate-Capability Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41258-41264	9.5	46
174	MOF Induces 2D GO to Assemble into 3D Accordion-Like Composites for Tunable and Optimized Microwave Absorption Performance. <i>Small</i> , 2020 , 16, e2003905	11	46
173	Multi-scale magnetic coupling of Fe@SiO ₂ @C-Ni yolk@triple-shell microspheres for broadband microwave absorption. <i>Nanoscale</i> , 2019 , 11, 17270-17276	7.7	44
172	Porous Au-Ag Alloy Particles Inlaid AgCl Membranes As Versatile Plasmonic Catalytic Interfaces with Simultaneous, in Situ SERS Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18491-500	9.5	43
171	Hierarchical Magnetic Network Constructed by CoFe Nanoparticles Suspended Within "Tubes on Rods" Matrix Toward Enhanced Microwave Absorption. <i>Nano-Micro Letters</i> , 2021 , 13, 47	19.5	43

170	Ordered Macro-/Mesoporous Anatase Films with High Thermal Stability and Crystallinity for Photoelectrocatalytic Water-Splitting. <i>Advanced Energy Materials</i> , 2014 , 4, 1301725	21.8	42
169	Tuning strain effect and surface composition in PdAu hollow nanospheres as highly efficient ORR electrocatalysts and SERS substrates. <i>Applied Catalysis B: Environmental</i> , 2020 , 262, 118298	21.8	42
168	Hollow Palladium-Gold Nanochains with Periodic Concave Structures as Superior ORR Electrocatalysts and Highly Efficient SERS Substrates. <i>Advanced Energy Materials</i> , 2020 , 10, 1904072	21.8	41
167	High-Performance Microwave Absorption of MOF-Derived Core-Shell Co@N-doped Carbon Anchored on Reduced Graphene Oxide. <i>ChemNanoMat</i> , 2019 , 5, 558-565	3.5	40
166	Rooting bismuth oxide nanosheets into porous carbon nanoboxes as a sulfur immobilizer for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7074-7081	13	38
165	Hollow porous Fe ₂ O ₃ microspheres wrapped by reduced graphene oxides with high-performance microwave absorption. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11167-11176	7.1	37
164	Dimensional Design and Core-Shell Engineering of Nanomaterials for Electromagnetic Wave Absorption. <i>Advanced Materials</i> , 2021 , e2107538	24	37
163	MXene/FeCo films with distinct and tunable electromagnetic wave absorption by morphology control and magnetic anisotropy. <i>Carbon</i> , 2021 , 175, 509-518	10.4	37
162	Sn-C and Se-C Co-Bonding SnSe/Few-Layered Graphene Micro-Nano Structure: Route to a Densely Compacted and Durable Anode for Lithium/Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36685-36696	9.5	36
161	Engineering Phase Transformation of MoS ₂ /RGO by N-doping as an Excellent Microwave Absorber. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16831-16840	9.5	36
160	Double ligand MOF-derived pomegranate-like Ni@C microspheres as high-performance microwave absorber. <i>Applied Surface Science</i> , 2021 , 538, 148051	6.7	36
159	Recent progress of microwave absorption microspheres by magnetic-dielectric synergy. <i>Nanoscale</i> , 2021 , 13, 2136-2156	7.7	35
158	Insight into the atomic structure of Li ₂ MnO ₃ in Li-rich Mn-based cathode materials and the impact of its atomic arrangement on electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11214-11223	13	34
157	Advances in electromagnetic shielding properties of composite foams. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8896-8949	13	34
156	Hollow TiNb O @C Spheres with Superior Rate Capability and Excellent Cycle Performance as Anode Material for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018 , 24, 12932-12937	4.8	34
155	Emergence of skyrmions from rich parent phases in the molybdenum nitrides. <i>Physical Review B</i> , 2016 , 93,	3.3	33
154	Orientation growth modulated magnetic-carbon microspheres toward broadband electromagnetic wave absorption. <i>Carbon</i> , 2021 , 172, 516-528	10.4	33
153	Copper- and Cobalt-Codoped CeO Nanospheres with Abundant Oxygen Vacancies as Highly Efficient Electrocatalysts for Dual-Mode Electrochemical Sensing of MicroRNA. <i>Analytical Chemistry</i> , 2019 , 91, 2659-2666	7.8	32

152	Enhanced Stability of the Magnetic Skyrmion Lattice Phase under a Tilted Magnetic Field in a Two-Dimensional Chiral Magnet. <i>Nano Letters</i> , 2017 , 17, 2921-2927	11.5	31
151	High-temperature annealing of an iron microplate with excellent microwave absorption performance and its direct micromagnetic analysis by electron holography and Lorentz microscopy. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6047-6053	7.1	30
150	Self-transforming ultrathin Co(OH)_2 nanosheet arrays from metal-organic framework modified graphene oxide with sandwichlike structure for efficient electrocatalytic oxygen evolution. <i>Nano Research</i> , 2020 , 13, 810-817	10	30
149	Visualizing spatial potential and charge distribution in Ru/N-doped carbon electrocatalysts for superior hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18072-18080	13	30
148	Modulating the $\text{Li}^+/\text{Ni}^{2+}$ replacement and electrochemical performance optimizing of layered lithium-rich $\text{Li}_{1.2}\text{Ni}_{0.2}\text{Mn}_{0.6}\text{O}_2$ by minor Co dopant. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9656-9665 ¹³		30
147	Paramecium-like MnO_2 hierarchical hollow structures with enhanced electrochemical capacitance prepared by a facile dopamine carbon-source assisted shell-swelling etching method. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20729-20738	13	30
146	High-Density Anisotropy Magnetism Enhanced Microwave Absorption Performance in TiCT MXene@Ni Microspheres. <i>ACS Nano</i> , 2021 ,	16.7	30
145	Electron Holography of Yolk@Shell Fe_3O_4 @ mSiO_2 Microspheres for Use in Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2019 , 2, 910-916	5.6	29
144	Janus-like Fe_3O_4 /PDA vesicles with broadening microwave absorption bandwidth. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7790-7796	7.1	29
143	Initiating VB-Group Laminated NbS_2 Electromagnetic Wave Absorber toward Superior Absorption Bandwidth as Large as 6.48 GHz through Phase Engineering Modulation. <i>Advanced Functional Materials</i> , 2108194	15.6	29
142	Single Zinc Atoms Anchored on MOF-Derived N-Doped Carbon Shell Cooperated with Magnetic Core as an Ultrawideband Microwave Absorber. <i>Small</i> , 2021 , 17, e2101416	11	29
141	Dandelion-like carbon nanotube assembly embedded with closely separated Co nanoparticles for high-performance microwave absorption materials. <i>Nanoscale</i> , 2020 , 12, 10149-10157	7.7	29
140	Colloidal CdSe 0-Dimension Nanocrystals and Their Self-Assembled 2-Dimension Structures. <i>Chemistry of Materials</i> , 2018 , 30, 1575-1584	9.6	28
139	3D conductive network wrapped CeO_{2-x} Yolk@Shell hybrid microspheres for selective-frequency microwave absorption. <i>Carbon</i> , 2020 , 162, 86-94	10.4	28
138	Excellent NiO-Ni Nanoplate Microwave Absorber via Pinning Effect of Antiferromagnetic-Ferromagnetic Interface. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15104-15111	9.5	27
137	A direct H_2O_2 production based on hollow porous carbon sphere-sulfur nanocrystal composites by confinement effect as oxygen reduction electrocatalysts. <i>Nano Research</i> , 2019 , 12, 2614-2622	10	27
136	Hierarchical coupling effect in hollow Ni/NiFe $_2\text{O}_4$ -CNTs microsphere via spray-drying for enhanced oxygen evolution electrocatalysis. <i>Nano Research</i> , 2020 , 13, 437-446	10	27
135	Inheritance of Crystallographic Orientation during Lithiation/Delithiation Processes of Single-Crystal Fe_2O_3 Nanocubes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24191-6	9.5	26

134	Conductive $\text{Li}_3.08\text{Cr}_0.02\text{Si}_0.09\text{V}_0.90\text{O}_4$ Anode Material: Novel Zero-Strain Characteristic and Superior Electrochemical Li^+ Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 1904267	21.8	26
133	Electron energy-loss spectroscopy characterization and microwave absorption of iron-filled carbon-nitrogen nanotubes. <i>Nanotechnology</i> , 2007 , 18, 355705	3.4	25
132	Enhanced microwave absorption performance from abundant polarization sites of ZnO nanocrystals embedded in CNTs via confined space synthesis. <i>Nanoscale</i> , 2019 , 11, 22539-22549	7.7	25
131	Multi-dimensional ZnO@MWCNTs assembly derived from MOF-5 heterojunction as highly efficient microwave absorber. <i>Carbon</i> , 2021 , 172, 15-25	10.4	25
130	3D Seed-Germination-Like MXene with In Situ Growing CNTs/Ni Heterojunction for Enhanced Microwave Absorption via Polarization and Magnetization. <i>Nano-Micro Letters</i> , 2021 , 13, 157	19.5	25
129	Nano-spatially confined and interface-controlled lithiation/delithiation in an in situ formed $(\text{SnSb}_n\text{S}_2\text{B})/\text{FLG}$ composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15320-15332	13	24
128	Guided-formation of a favorable interface for stabilizing Na metal solid-state batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7828-7835	13	24
127	Hierarchical magnetic core-shell nanostructures for microwave absorption: Synthesis, microstructure and property studies. <i>Science China Chemistry</i> , 2014 , 57, 3-12	7.9	24
126	Fabrication of hierarchical TiO coated CoNi particles with tunable core sizes as high-performance wide-band microwave absorbers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 26712-26718	3.6	24
125	Highly Compressible Polymer Composite Foams with Thermal Heating-Boosted Electromagnetic Wave Absorption Abilities. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50793-50802	9.5	23
124	In-situ electrochemical pretreatment of hierarchical NiS-based electrocatalyst towards promoted hydrogen evolution reaction with low overpotential. <i>Journal of Colloid and Interface Science</i> , 2020 , 559, 282-290	9.3	23
123	Simultaneous Ni Doping at Atom Scale in Ceria and Assembling into Well-Defined Lotuslike Structure for Enhanced Catalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16243-16251	9.5	22
122	Two hybrid Au-ZnO aggregates with different hierarchical structures: A comparable study in photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 58-67	9.3	22
121	Alcohol-Tolerant Platinum Electrocatalyst for Oxygen Reduction by Encapsulating Platinum Nanoparticles inside Nitrogen-Doped Carbon Nanocages. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16664-9	9.5	22
120	Interfacial optimization of PtNi octahedrons@Ti ₃ C ₂ MXene with enhanced alkaline hydrogen evolution activity and stability. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120100	21.8	21
119	Efficient photodegradation of dye pollutants using a novel plasmonic AgCl microrods array and photo-optimized surface-enhanced Raman scattering. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 37-47	21.8	20
118	Broadening microwave absorption via a multi-domain structure. <i>APL Materials</i> , 2017 , 5, 046104	5.7	20
117	Enhanced visualizing charge distribution of 2D/2D MXene/MoS ₂ heterostructure for excellent microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159365	5.7	20

116	Enhanced dielectric polarization from disorder-engineered Fe ₃ O ₄ @TiO _{2-x} heterostructure for broadband microwave absorption. <i>Chemical Engineering Journal</i> , 2021 , 419, 130020	14.7	20
115	Interfacial charge redistribution in interconnected network of Ni ₂ P@Co ₂ P boosting electrocatalytic hydrogen evolution in both acidic and alkaline conditions. <i>Chemical Engineering Journal</i> , 2021 , 424, 130444	14.7	20
114	Tailoring the nano heterointerface of hematite/magnetite on hierarchical nitrogen-doped carbon nanocages for superb oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21313-21319	13	19
113	Direct evidence of antisite defects in LiFe _{0.5} Mn _{0.5} PO ₄ via atomic-level HAADF-EELS. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8775	13	19
112	Uniform wurtzite MnSe nanocrystals with surface-dependent magnetic behavior. <i>Nano Research</i> , 2013 , 6, 275-285	10	19
111	Electron energy-loss spectroscopy and ab initio electronic structure of the LaOFeP superconductor. <i>Physical Review B</i> , 2008 , 77,	3.3	19
110	Hierarchical FeO@C@MnO@C Multishell Nanocomposites for High Performance Lithium Ion Batteries and Catalysts. <i>Langmuir</i> , 2018 , 34, 5225-5233	4	18
109	Doping of Ni and Zn Elements in MnCO ₃ : High-Power Anode Material for Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, 1702574	11	18
108	In situ dynamics response mechanism of the tunable length-diameter ratio nanochains for excellent microwave absorber. <i>Nano Research</i> , 2020 , 13, 72-78	10	18
107	Excellent microwave absorbing properties of ZnO/ZnFe ₂ O ₄ /Fe core-shell microrods prepared by a rapid microwave-assisted hydrothermal-chemical vapor decomposition method. <i>Applied Surface Science</i> , 2020 , 531, 147353	6.7	18
106	Dual-ligand mediated one-pot self-assembly of Cu/ZnO core/shell structures for enhanced microwave absorption. <i>RSC Advances</i> , 2016 , 6, 41724-41733	3.7	18
105	A Flexible Film toward High-Performance Lithium Storage: Designing Nanosheet-Assembled Hollow Single-Hole Ni-Co-Mn-O Spheres with Oxygen Vacancy Embedded in 3D Carbon Nanotube/Graphene Network. <i>Small</i> , 2019 , 15, e1901343	11	17
104	Hollow microspheres of polypyrrole/magnetite/carbon nanotubes by spray-dry as an electromagnetic synergistic microwave absorber. <i>Carbon</i> , 2021 , 175, 499-508	10.4	17
103	Confined Magnetic-Dielectric Balance Boosted Electromagnetic Wave Absorption. <i>Small</i> , 2021 , 17, e2100970	10.9	17
102	Accurately Engineering 2D/2D/0D Heterojunction In Hierarchical TiCT MXene Nanoarchitectures for Electromagnetic Wave Absorption and Shielding. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5866-5876	9.5	17
101	Crystal defect-mediated band-gap engineering: a new strategy for tuning the optical properties of Ag ₂ Se quantum dots toward enhanced hydrogen evolution performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20051-20055	13	16
100	Template-guided synthesis of porous MoN microrod as an effective sulfur host for high-performance Lithium-Sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155764	5.7	16
99	Ordered mesoporous CoFe ₂ O ₄ nanoparticles: molten-salt-assisted rapid nanocasting synthesis and the effects of calcining heating rate. <i>New Journal of Chemistry</i> , 2014 , 38, 3193	3.6	16

98	Ultrafast self-assembly of silver nanostructures on carbon-coated copper grids for surface-enhanced Raman scattering detection of trace melamine. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 23-28	9.3	16
97	Direct imaging of the layer-by-layer growth and rod-unit repairing defects of mesoporous silica SBA-15 by cryo-SEM. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17371		16
96	Fabrication of Hollow Cube Dual-Semiconductor LnO/MnO/C Nanocomposites with Excellent Microwave Absorption Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28689-28702	9.5	16
95	In-situ regrowth constructed magnetic coupling 1D/2D Fe assembly as broadband and high-efficient microwave absorber. <i>Chemical Engineering Journal</i> , 2021 , 415, 128951	14.7	15
94	Heterointerface-Driven Band Alignment Engineering and its Impact on Macro-Performance in Semiconductor Multilayer Nanostructures. <i>Small</i> , 2019 , 15, e1900837	11	14
93	Predominant growth orientation of Li _{1.2} (Mn _{0.4} Co _{0.4})O ₂ cathode materials produced by the NaOH compound molten salt method and their enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15200	13	14
92	The Deformations of Carbon Nanotubes under Cutting. <i>ACS Nano</i> , 2017 , 11, 8464-8470	16.7	14
91	1D Electromagnetic-Gradient Hierarchical Carbon Microtube via Coaxial Electrospinning Design for Enhanced Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15939-15949	9.5	14
90	Preparation of Carbon Nanotube Coated Li ₄ Ti ₅ O ₁₂ Nanosheets Heterostructure as Ultrastable Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6352-6360	6.1	14
89	Boosting oxygen reduction activity of spinel CoFe ₂ O ₄ by strong interaction with hierarchical nitrogen-doped carbon nanocages. <i>Science Bulletin</i> , 2017 , 62, 1365-1372	10.6	13
88	Superstructure silver micro-tube composites for ultrahigh electromagnetic wave shielding. <i>Chemical Engineering Journal</i> , 2022 , 430, 132949	14.7	13
87	The ordered mesoporous carbon coated graphene as a high-performance broadband microwave absorbent. <i>Carbon</i> , 2021 , 179, 435-444	10.4	13
86	Superior-capacity binder-free anode electrode for lithium-ion batteries: CoMnNiO nanosheets with metal/oxygen vacancies directly formed on Cu foil. <i>Nanoscale</i> , 2019 , 11, 5080-5093	7.7	13
85	Covalent Assembly of MoS ₂ Nanosheets with SnS Nanodots as Linkages for Lithium/Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 14729-14735	3.6	12
84	High-Performance Joule Heating and Electromagnetic Shielding Properties of Anisotropic Carbon Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29101-29112	9.5	12
83	Yolk-Shell Nano ZnO@Co-Doped NiO with Efficient Polarization Adsorption and Catalysis Performance for Superior Lithium-Sulfur Batteries. <i>Small</i> , 2021 , 17, e2005227	11	12
82	Drawing advanced electromagnetic functional composites with ultra-low filler loading. <i>Chemical Engineering Journal</i> , 2020 , 399, 125720	14.7	11
81	Improved microwave absorption performance of a multi-dimensional Fe ₂ O ₃ /CNTCM@CN assembly achieved by enhanced dielectric relaxation. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5715-5726	7.1	11

80	The underlying micro-mechanism of performance enhancement of non-polar n-ZnO/p-AlGaN ultraviolet light emitting diode with i-ZnO inserted layer. <i>Applied Physics Letters</i> , 2018 , 112, 033505	3.4	11
79	Atomic Mechanism of Interfacial-Controlled Quantum Efficiency and Charge Migration in InAs/GaSb Superlattice. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26642-26647	9.5	11
78	Self-Assembled 3D Hierarchical Copper Hydroxyphosphate Modified by the Oxidation of Copper Foil as a Recyclable, Wide Wavelength Photocatalyst. <i>Langmuir</i> , 2017 , 33, 13649-13656	4	11
77	Rutile TiO Nanoparticles Encapsulated in a Zeolitic Imidazolate Framework-Derived Hierarchical Carbon Framework with Engineered Dielectricity as an Excellent Microwave Absorber. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48140-48149	9.5	11
76	Urchin-like cobalt hydroxide coupled with N-doped carbon dots hybrid for enhanced electrocatalytic water oxidation. <i>Chemical Engineering Journal</i> , 2021 , 420, 127598	14.7	11
75	Interface compatibility engineering of Multi-shell Fe@C@TiO ₂ @MoS ₂ heterojunction expanded microwave absorption bandwidth. <i>Chemical Engineering Journal</i> , 2022 , 429, 132191	14.7	11
74	C/MnO@void@C with Triple Balances for Superior Microwave Absorption Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32037-32045	9.5	10
73	Insights into the micro magnetic loss mechanism of microwave absorption by off-axis electron holography. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 475, 24-29	2.8	10
72	A New Sodium Calcium Cyclotetranavanadate Framework: Zero-Strain during Large-Capacity Lithium Intercalation. <i>Advanced Functional Materials</i> , 2021 , 31, 2105026	15.6	10
71	Recent Advances in Design Strategies and Multifunctionality of Flexible Electromagnetic Interference Shielding Materials.. <i>Nano-Micro Letters</i> , 2022 , 14, 80	19.5	10
70	Charge modulation of CNTs-based conductive network for oxygen reduction reaction and microwave absorption. <i>Carbon</i> , 2021 , 178, 310-319	10.4	9
69	Multi-Path Electron Transfer in 1D Double-Shelled Sn@Mo C/C Tubes with Enhanced Dielectric Loss for Boosting Microwave Absorption Performance. <i>Small</i> , 2021 , 17, e2100283	11	9
68	Controllable synthesis of elongated hexagonal bipyramid shaped La(OH) ₃ nanorods and the distribution of electric property by off-axis electron holography. <i>Nano Research</i> , 2016 , 9, 2561-2571	10	9
67	Hierarchical Engineering of Double-Shelled Nanotubes toward Hetero-Interfaces Induced Polarization and Microscale Magnetic Interaction. <i>Advanced Functional Materials</i> , 2022 , 32, 2202588	15.6	9
66	Polarization-enhanced three-dimensional Co ₃ O ₄ /MoO ₂ /C flowers as efficient microwave absorbers. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10248-10256	7.1	8
65	Enhanced Magnetic Microwave Absorption at Low-Frequency Band by Ferrite Assembled Microspheres with Controlled Components and Morphologies. <i>Small Structures</i> , 2021 , 2, 2100033	8.7	8
64	Polyionic Resin Supported Pd/Fe ₂ O ₃ Nanohybrids for Catalytic Hydrodehalogenation: Improved and Versatile Remediation for Toxic Pollutants. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 2159-2169	3.9	8
63	Position selective dielectric polarization enhancement in CNT based heterostructures for highly efficient microwave absorption. <i>Nanoscale</i> , 2021 , 13, 2324-2332	7.7	8

62	Tailoring Self-Polarization of Bimetallic Organic Frameworks with Multiple Polar Units Toward High-Performance Consecutive Multi-Band Electromagnetic Wave Absorption at Gigahertz. <i>Advanced Functional Materials</i> , 2021, 129	15.6	8
61	Facile preparation of 3D hierarchical coaxial-cable-like Ni-CNTs@beta-(Ni, Co) binary hydroxides for supercapacitors with ultrahigh specific capacitance. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 33-43	9.3	7
60	Dynamic visualization of the phase transformation path in LiFePO during delithiation. <i>Nanoscale</i> , 2019, 11, 17557-17562	7.7	7
59	Ni Mn Co O Nanowire/CNT Composite Microspheres with 3D Interconnected Conductive Network Structure via Spray-Drying Method: A High-Capacity and Long-Cycle-Life Anode Material for Lithium-Ion Batteries. <i>Small</i> , 2019, 15, e1900069	11	7
58	Compressible and flexible PPy@MoS/C microwave absorption foam with strong dielectric polarization from 2D semiconductor intermediate sandwich structure. <i>Nanoscale</i> , 2021, 13, 5115-5124	7.7	7
57	Thermal effects on current-related skyrmion formation in a nanobelt. <i>Applied Physics Letters</i> , 2018, 112, 212403	3.4	7
56	Hierarchical Ti C T MXene/Carbon Nanotubes Hollow Microsphere with Confined Magnetic Nanospheres for Broadband Microwave Absorption.. <i>Small</i> , 2021, e2104380	11	7
55	Hollow MoC/NC sphere for electromagnetic wave attenuation: direct observation of interfacial polarization on nanoscale hetero-interfaces. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1290-1298	13	6
54	A Low Strain A-Site Deficient Perovskite Lithium Lanthanum Niobate Anode for Superior Li+ Storage. <i>Advanced Functional Materials</i> , 2106911	15.6	6
53	Understanding of Strain-Induced Electronic Structure Changes in Metal-Based Electrocatalysts: Using Pd@Pt Core-Shell Nanocrystals as an Ideal Platform. <i>Small</i> , 2021, 17, e2100559	11	6
52	Liquid metal coated copper micro-particles to construct core-shell structure and multiple heterojunctions for high-efficiency microwave absorption. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 210-218	9.3	6
51	In Situ Observation of Domain Wall Pinning in Sm(Co,Fe,Cu,Zr) _z Magnet by Lorentz Microscopy. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4	2	5
50	3D freestanding flower-like nickel-cobalt layered double hydroxides enriched with oxygen vacancies as efficient electrocatalysts for water oxidation. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00170	5.3	5
49	Anomalous Spin Behavior in FeGeTe Driven by Current Pulses. <i>ACS Nano</i> , 2020, 14, 9512-9520	16.7	5
48	Microstructure research for ferroelectric origin in the strained Hf _{0.5} Zr _{0.5} O ₂ thin film via geometric phase analysis. <i>Applied Physics Letters</i> , 2018, 112, 143503	3.4	5
47	The role of graphene in nano-layered structure and long-term cycling stability of Mn _x Co _y Ni _z CO ₃ as an anode material for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 105252-105261	3.7	5
46	Quantum efficiency optimization by maximizing wave function overlap in type-II superlattice photodetectors. <i>Nanoscale</i> , 2017, 9, 11833-11840	7.7	5
45	Multi-dimensional C@NiCo-LDHs@Ni aerogel: Structural and componential engineering towards efficient microwave absorption, anti-corrosion and thermal-insulation. <i>Carbon</i> , 2022, 191, 625-625	10.4	5

44	Direct View on the Origin of High Li ⁺ Transfer Impedance in All-Solid-State Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2103971	15.6	5
43	Probing the atomic interaction between zinc clusters and defective carbon in promoting the wide temperature applications of lithium-sulfur battery. <i>Energy Storage Materials</i> , 2021 , 41, 703-714	19.4	5
42	Respective Roles of Inner and Outer Carbon in Boosting the K Storage Performance of Dual-Carbon-Confined ZnSe.. <i>Advanced Science</i> , 2021 , e2104822	13.6	5
41	Customizing Heterointerfaces in Multilevel Hollow Architecture Constructed by Magnetic Spindle Arrays Using the Polymerizing-Etching Strategy for Boosting Microwave Absorption.. <i>Advanced Science</i> , 2022 , e2200804	13.6	5
40	Construction of CoNiFe Trimetallic Carbonate Hydroxide Hierarchical Hollow Microflowers with Oxygen Vacancies for Electrocatalytic Water Oxidation. <i>Advanced Functional Materials</i> , 2020 , 2200726	15.6	5
39	Giant Topological Hall Effect and Superstable Spontaneous Skyrmions below 330 K in a Centrosymmetric Complex Noncollinear Ferromagnet NdMnGe. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24125-24132	9.5	4
38	Understanding the role of interface in advanced semiconductor nanostructure and its interplay with wave function overlap. <i>Nano Research</i> , 2020 , 13, 1536-1543	10	4
37	Pb/C Composite with Spherical Pb Nanoparticles Encapsulated in Carbon Microspheres as a High-Performance Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7416-7426	6.1	4
36	A Polarization Boosted Strategy for the Modification of Transition Metal Dichalcogenides as Electrocatalysts for Water-Splitting. <i>Small</i> , 2021 , 17, e2100510	11	4
35	LiS Batteries: NickelCobalt Double Hydroxide as a Multifunctional Mediator for Ultrahigh-Rate and Ultralong-Life LiS Batteries (Adv. Energy Mater. 35/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870152	21.8	4
34	Self-Assembly MXene-rGO/CoNi Film with Massive Continuous Heterointerfaces and Enhanced Magnetic Coupling for Superior Microwave Absorber.. <i>Nano-Micro Letters</i> , 2022 , 14, 73	19.5	4
33	Emerging Materials and Designs for Low- and Multi-Band Electromagnetic Wave Absorbers: The Search for Dielectric and Magnetic Synergy?. <i>Advanced Functional Materials</i> , 2020 , 2200123	15.6	4
32	Aspect ratio tuned red-shift of photoluminescence emission of PbSe nanorods investigated by electron holography. <i>Journal of Colloid and Interface Science</i> , 2017 , 493, 385-392	9.3	3
31	Tailorable coaxial carbon nanocables with high storage capabilities. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22125-22130	13	3
30	Understanding the role of aluminium in determining the surface structure and electrochemical performance of layered cathodes. <i>Nanoscale</i> , 2019 , 11, 13007-13016	7.7	3
29	Insight into the split and asymmetry of charge distribution in biased M-structure superlattice. <i>Applied Physics Letters</i> , 2017 , 111, 053503	3.4	3
28	Synthesis of Nonspherical Hollow Architecture with Magnetic Fe Core and Ni Decorated Tadpole-Like Shell as Ultrabroad Bandwidth Microwave Absorbers. <i>Small</i> , 2021 , 17, e2103351	11	3
27	Growth of magnetic metals on carbon microspheres with synergetic dissipation abilities to broaden microwave absorption. <i>Journal of Materials Science and Technology</i> , 2022 , 107, 100-110	9.1	3

26	Control of electron tunnelling by fine band engineering of semiconductor potential barriers. <i>Nanoscale</i> , 2019 , 11, 21376-21385	7.7	3
25	Conductivity optimization via intertwined CNTs between TiNbO ₃ @C microspheres for a superior performance Li-ion battery anode. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1103-1108	9.3	3
24	Ultrahigh Density of Atomic CoFe-Electron Synergy in Noncontinuous Carbon Matrix for Highly Efficient Magnetic Wave Adsorption.. <i>Nano-Micro Letters</i> , 2022 , 14, 96	19.5	3
23	Controllable one-pot synthesis of FeSe ₂ nanooctahedra embedded microtubes by a sacrificial self-template method. <i>New Journal of Chemistry</i> , 2017 , 41, 423-426	3.6	2
22	Hydrogen peroxide-assisted synthesis of oxygen-doped carbon nitride nanorods for enhanced photocatalytic hydrogen evolution.. <i>RSC Advances</i> , 2019 , 9, 28421-28431	3.7	2
21	Hollow Nanochains: Hollow Palladium-Gold Nanochains with Periodic Concave Structures as Superior ORR Electrocatalysts and Highly Efficient SERS Substrates (Adv. Energy Mater. 18/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070082	21.8	2
20	Ultraviolet emission of amorphous SiO _{2+x} nanowires with connected bead-chain morphology. <i>RSC Advances</i> , 2014 , 4, 11493-11498	3.7	2
19	Synthesis and thermoelectric properties of defect-containing PbSe/BbTe heterojunction nanostructures. <i>RSC Advances</i> , 2017 , 7, 53855-53860	3.7	2
18	Impedance amelioration of coaxial-electrospun TiO ₂ @Fe/C@TiO ₂ vesicular carbon microtubes with dielectric-magnetic synergy toward highly efficient microwave absorption. <i>Chemical Engineering Journal</i> , 2021 , 133640	14.7	2
17	Domino Effect of Thickness Fluctuation on Subband Structure and Electron Transport within Semiconductor Cascade Structures. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41950-41959	9.5	2
16	Insights into Growth-Oriented Interfacial Modulation within Semiconductor Multilayers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 27262-27269	9.5	2
15	Unusual effects of vacuum annealing on large-area Ag ₃ PO ₄ microcrystalline film photoanode boosting cocatalyst- and scavenger-free water splitting. <i>Journal of Materiomics</i> , 2021 , 7, 929-939	6.7	2
14	Dual-surfactant templated hydrothermal synthesis of CoSe ₂ hierarchical microclews for dielectric microwave absorption. <i>Journal of Advanced Ceramics</i> , 2022 , 11, 504-514	10.7	1
13	General biotemplating of hierarchically ultra-vesicular microspheres for superior microwave absorption. <i>Chemical Engineering Journal</i> , 2022 , 431, 133925	14.7	1
12	Integrating hierarchical interfacial polarization in yeast-derived Mo ₂ C/C nanoflower/microsphere nanoarchitecture for boosting microwave absorption performance. <i>Carbon</i> , 2022 , 189, 530-538	10.4	1
11	Self-Adapting Electrochemical Grinding Strategy for Stable Silicon Anode. <i>Advanced Functional Materials</i> , 2109887	15.6	1
10	Skyrmion bubbles stabilization in confined hole and trench materials. <i>Applied Physics Letters</i> , 2020 , 117, 052405	3.4	1
9	Iron-encapsulated CNTs on carbon fiber with high-performance EMI shielding and electrocatalytic activity. <i>Advanced Composites and Hybrid Materials</i> , 1	8.7	1

8	Atomic short-range order in a cation-deficient perovskite anode for fast-charging and long-life lithium-ion batteries.. <i>Advanced Materials</i> , 2022 , e2200914	24	1
7	Temperature induced transformation of Co@C nanoparticle in 3D hierarchical core-shell nanofiber network for enhanced electromagnetic wave adsorption. <i>Carbon</i> , 2022 ,	10.4	1
6	Chiral Asymmetric Polarizations Generated by Bioinspired Helical Carbon Fibers to Induce Broadband Microwave Absorption and Multispectral Photonic Manipulation. <i>Advanced Optical Materials</i> , 2200249	8.1	1
5	Zero-strain Ca _{0.4} Ce _{0.6} VO ₄ anode material for high capacity and long-life Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 25663-25671	13	0
4	Dual strategy of modulating growth temperature and inserting ultrathin barrier to enhance the wave function overlap in type-II superlattices. <i>Nano Research</i> , 1	10	0
3	Controllable Domain Walls in Two-Dimensional Ferromagnetic Material FeGeTe Based on the Spin-Transfer Torque Effect.. <i>ACS Nano</i> , 2021 , 15, 19513-19521	16.7	0
2	Two-Dimensional Energy Band Engineering in GaAs/AlGaAs CoreShell Nanowires by Crystal-Phase Switching for Charge Manipulation. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3323-3328	5.6	
1	Compensation mechanism of carriers within weakly coupled quantum wells. <i>Applied Physics Letters</i> , 2021 , 118, 122107	3.4	