Renchao Che

List of Publications by Year
in descending order

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Version: 2024-02-01

252 papers	21,309 citations	9234 74 h-index	11581 135 g-index
252 all docs	252 docs citations	252 times ranked	12724 citing authors

#	Article	IF	Citations
1	A New Sodium Calcium Cyclotetravanadate Framework: â€œZeroâ€Strainâ€•during Largeâ€Capacity Lithium Intercalation. Advanced Functional Materials, 2022, 32, 2105026.	7.8	30
2	Conductivity optimization via intertwined CNTs between TiNb2O7@C microspheres for a superior performance Li-ion battery anode. Journal of Colloid and Interface Science, 2022, 607, 1103-1108.	5.0	10
3	Liquid metal coated copper micro-particles to construct core-shell structure and multiple heterojunctions for high-efficiency microwave absorption. Journal of Colloid and Interface Science, 2022, 607, 210-218.	5.0	39
4	Interface compatibility engineering of Multi-shell Fe@C@TiO2@MoS2 heterojunction expanded microwave absorption bandwidth. Chemical Engineering Journal, 2022, 429, 132191.	6.6	71
5	A Low Strain Aâ€Site Deficient Perovskite Lithium Lanthanum Niobate Anode for Superior Li⁺ Storage. Advanced Functional Materials, 2022, 32, 2106911.	7.8	28
6	Selfâ€Adapting Electrochemical Grinding Strategy for Stable Silicon Anode. Advanced Functional Materials, 2022, 32, 2109887.	7.8	14
7	Initiating VBâ€Group Laminated NbS₂ Electromagnetic Wave Absorber toward Superior Absorption Bandwidth as Large as 6.48ÂGHz through Phase Engineering Modulation. Advanced Functional Materials, 2022, 32, 2108194.	7.8	147
8	Superstructure silver micro-tube composites for ultrahigh electromagnetic wave shielding. Chemical Engineering Journal, 2022, 430, 132949.	6.6	65
9	Growth of magnetic metals on carbon microspheres with synergetic dissipation abilities to broaden microwave absorption. Journal of Materials Science and Technology, 2022, 107, 100-110.	5.6	60
10	Dimensional Design and Coreâ€“Shell Engineering of Nanomaterials for Electromagnetic Wave Absorption. Advanced Materials, 2022, 34, e2107538.	11.1	353
11	Impedance amelioration of coaxial-electrospun TiO2@Fe/C@TiO2 vesicular carbon microtubes with dielectric-magnetic synergy toward highly efficient microwave absorption. Chemical Engineering Journal, 2022, 433, 133640.	6.6	25
12	General biotemplating of hierarchically ultra-vesicular microspheres for superior microwave absorption. Chemical Engineering Journal, 2022, 431, 133925.	6.6	8
13	Integrating hierarchical interfacial polarization in yeast-derived Mo2C/C nanoflower/microsphere nanoarchitecture for boosting microwave absorption performance. Carbon, 2022, 189, 530-538.	5.4	34
14	Hollow MoC/NC sphere for electromagnetic wave attenuation: direct observation of interfacial polarization on nanoscale hetero-interfaces. Journal of Materials Chemistry A, 2022, 10, 1290-1298.	5.2	68
15	Multi-dimensional C@NiCo-LDHs@Ni aerogel: Structural and componential engineering towards efficient microwave absorption, anti-corrosion and thermal-insulation. Carbon, 2022, 191, 625-635.	5.4	95
16	Dual-surfactant templated hydrothermal synthesis of CoSe2 hierarchical microclews for dielectric microwave absorption. Journal of Advanced Ceramics, 2022, 11, 504-514.	8.9	24
17	Interface engineering in the hierarchical assembly of carbon-confined Fe₃O₄ nanospheres for enhanced microwave absorption. Journal of Materials Chemistry A, 2022, 10, 8807-8816.	5.2	32
18	Recent Advances in Design Strategies and Multifunctionality of Flexible Electromagnetic Interference Shielding Materials. Nano-Micro Letters, 2022, 14, 80.	14.4	159

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19	Iron-encapsulated CNTs on carbon fiber with high-performance EMI shielding and electrocatalytic activity. Advanced Composites and Hybrid Materials, 2022, 5, 2429-2439.	9.9	30
20	Atomic Shortâ€Range Order in a Cationâ€Deficient Perovskite Anode for Fastâ€Charging and Longâ€Life Lithiumâ€Ion Batteries. Advanced Materials, 2022, 34, e2200914.	11.1	25
21	Tailoring Selfâ€Polarization of Bimetallic Organic Frameworks with Multiple Polar Units Toward Highâ€Performance Consecutive Multiâ€Band Electromagnetic Wave Absorption at Gigahertz. Advanced Functional Materials, 2022, 32, .	7.8	135
22	Self-Assembly MXene-rGO/CoNi Film with Massive Continuous Heterointerfaces and Enhanced Magnetic Coupling for Superior Microwave Absorber. Nano-Micro Letters, 2022, 14, 73.	14.4	68
23	Temperature induced transformation of Co@C nanoparticle in 3D hierarchical core-shell nanofiber network for enhanced electromagnetic wave adsorption. Carbon, 2022, 195, 44-56.	5.4	50
24	Ultrahigh Density of Atomic CoFe-Electron Synergy in Noncontinuous Carbon Matrix for Highly Efficient Magnetic Wave Adsorption. Nano-Micro Letters, 2022, 14, 96.	14.4	64
25	High-Density Anisotropy Magnetism Enhanced Microwave Absorption Performance in Ti₃C₂T_x MXene@Ni Microspheres. ACS Nano, 2022, 16, 1150-1159.	7.3	249
26	Respective Roles of Inner and Outer Carbon in Boosting the K⁺ Storage Performance of Dualâ€Carbonâ€Confined ZnSe. Advanced Science, 2022, 9, e2104822.	5.6	35
27	Hierarchical Ti₃C₂T_x MXene/Carbon Nanotubes Hollow Microsphere with Confined Magnetic Nanospheres for Broadband Microwave Absorption. Small, 2022, 18, e2104380.	5.2	77
28	Selective assembly of magnetic nano-antenna for electromagnetic dissipation. Journal of Materials Chemistry A, 2022, 10, 10909-10915.	5.2	8
29	Emerging Materials and Designs for Lowâ€and Multiâ€Band Electromagnetic Wave Absorbers: The Search for Dielectric and Magnetic Synergy?. Advanced Functional Materials, 2022, 32, .	7.8	185
30	Customizing Heterointerfaces in Multilevel Hollow Architecture Constructed by Magnetic Spindle Arrays Using the Polymerizingâ€Etching Strategy for Boosting Microwave Absorption. Advanced Science, 2022, 9, e2200804.	5.6	61
31	Vortex tuning magnetization configurations in porous Fe3O4 nanotube with wide microwave absorption frequency. Nano Research, 2022, 15, 6743-6750.	5.8	31
32	Chiral Asymmetric Polarizations Generated by Bioinspired Helical Carbon Fibers to Induce Broadband Microwave Absorption and Multispectral Photonic Manipulation. Advanced Optical Materials, 2022, 10, .	3.6	24
33	Construction of CoNiFe Trimetallic Carbonate Hydroxide Hierarchical Hollow Microflowers with Oxygen Vacancies for Electrocatalytic Water Oxidation. Advanced Functional Materials, 2022, 32, .	7.8	27
34	Hierarchical Engineering of Doubleâ€Shelled Nanotubes toward Heteroâ€Interfaces Induced Polarization and Microscale Magnetic Interaction. Advanced Functional Materials, 2022, 32, .	7.8	161
35	Constructing Unique Mesoporous Carbon Superstructures via Monomicelle Interface Confined Assembly. Journal of the American Chemical Society, 2022, 144, 11767-11777.	6.6	41
36	Magnetic Interacted Interaction Effect in MXene Skeleton: Enhanced Thermalâ€Generation for Electromagnetic Interference Shielding. Small, 2022, 18, .	5.2	31

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37	Recyclable magnetic carbon foams possessing voltage-controllable electromagnetic shielding and oil/water separation. Carbon, 2022, 197, 570-578.	5.4	15
38	Engineering polarization surface of hierarchical ZnO microspheres via spray-annealing strategy for wide-frequency electromagnetic wave absorption. Journal of Materials Science and Technology, 2022, 131, 231-239.	5.6	26
39	Remarkable Magnetic Exchange Coupling via Constructing Biâ€Magnetic Interface for Broadband Lowerâ€Frequency Microwave Absorption. Advanced Functional Materials, 2022, 32, .	7.8	82
40	Morphology-Evolved Succulent-like FeCo Microarchitectures with Magnetic Configuration Regulation for Enhanced Microwave Absorption. ACS Applied Materials & Interfaces, 2022, 14, 32369-32378.	4.0	16
41	Joule-heated flexible carbon composite towards the boosted electromagnetic wave shielding properties. Advanced Composites and Hybrid Materials, 2022, 5, 3012-3022.	9.9	25
42	Urchin-like cobalt hydroxide coupled with N-doped carbon dots hybrid for enhanced electrocatalytic water oxidation. Chemical Engineering Journal, 2021, 420, 127598.	6.6	29
43	Orientation growth modulated magnetic-carbon microspheres toward broadband electromagnetic wave absorption. Carbon, 2021, 172, 516-528.	5.4	85
44	Multi-dimensional ZnO@MWCNTs assembly derived from MOF-5 heterojunction as highly efficient microwave absorber. Carbon, 2021, 172, 15-25.	5.4	59
45	Double ligand MOF-derived pomegranate-like Ni@C microspheres as high-performance microwave absorber. Applied Surface Science, 2021, 538, 148051.	3.1	74
46	Yolkâ^'Shell Nano ZnO@Coâ€Doped NiO with Efficient Polarization Adsorption and Catalysis Performance for Superior Lithiumâ^'Sulfur Batteries. Small, 2021, 17, e2005227.	5.2	37
47	Recent progress of microwave absorption microspheres by magneticâ€“dielectric synergy. Nanoscale, 2021, 13, 2136-2156.	2.8	131
48	Position selective dielectric polarization enhancement in CNT based heterostructures for highly efficient microwave absorption. Nanoscale, 2021, 13, 2324-2332.	2.8	30
49	Hierarchical Magnetic Network Constructed by CoFe Nanoparticles Suspended Within â€œTubes on Rodsâ€•Matrix Toward Enhanced Microwave Absorption. Nano-Micro Letters, 2021, 13, 47.	14.4	124
50	Advances in electromagnetic shielding properties of composite foams. Journal of Materials Chemistry A, 2021, 9, 8896-8949.	5.2	184
51	Compressible and flexible PPy@MoS₂/C microwave absorption foam with strong dielectric polarization from 2D semiconductor intermediate sandwich structure. Nanoscale, 2021, 13, 5115-5124.	2.8	23
52	Compensation mechanism of carriers within weakly coupled quantum wells. Applied Physics Letters, 2021, 118, 122107.	1.5	0
53	1D Electromagnetic-Gradient Hierarchical Carbon Microtube via Coaxial Electrospinning Design for Enhanced Microwave Absorption. ACS Applied Materials & Interfaces, 2021, 13, 15939-15949.	4.0	54
54	Ultrathin flexible poly(vinylidene fluoride)/MXene/silver nanowire film with outstanding specific EMI shielding and high heat dissipation. Advanced Composites and Hybrid Materials, 2021, 4, 505-513.	9.9	190

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55	MXene/FeCo films with distinct and tunable electromagnetic wave absorption by morphology control and magnetic anisotropy. Carbon, 2021, 175, 509-518.	5.4	106
56	Hollow microspheres of polypyrrole/magnetite/carbon nanotubes by spray-dry as an electromagnetic synergistic microwave absorber. Carbon, 2021, 175, 499-508.	5.4	50
57	Hollow Engineering to Co@Nâ€Doped Carbon Nanocages via Synergistic Protectingâ€Etching Strategy for Ultrahigh Microwave Absorption. Advanced Functional Materials, 2021, 31, 2102812.	7.8	488
58	C/MnO@void@C with Triple Balances for Superior Microwave Absorption Performance. ACS Applied Materials & Interfaces, 2021, 13, 32037-32045.	4.0	33
59	Direct View on the Origin of High Li⁺ Transfer Impedance in Allâ€Solidâ€State Battery. Advanced Functional Materials, 2021, 31, 2103971.	7.8	23
60	Charge modulation of CNTs-based conductive network for oxygen reduction reaction and microwave absorption. Carbon, 2021, 178, 310-319.	5.4	30
61	A Polarization Boosted Strategy for the Modification of Transition Metal Dichalcogenides as Electrocatalysts for Waterâ€Splitting. Small, 2021, 17, e2100510.	5.2	9
62	High-Performance Joule Heating and Electromagnetic Shielding Properties of Anisotropic Carbon Scaffolds. ACS Applied Materials & Interfaces, 2021, 13, 29101-29112.	4.0	51
63	Insights into Growth-Oriented Interfacial Modulation within Semiconductor Multilayers. ACS Applied Materials & Interfaces, 2021, 13, 27262-27269.	4.0	4
64	Understanding of Strainâ€Induced Electronic Structure Changes in Metalâ€Based Electrocatalysts: Using Pd@Pt Coreâ€Shell Nanocrystals as an Ideal Platform. Small, 2021, 17, e2100559.	5.2	15
65	Multiâ€Path Electron Transfer in 1D Doubleâ€Shelled Sn@Mo₂C/C Tubes with Enhanced Dielectric Loss for Boosting Microwave Absorption Performance. Small, 2021, 17, e2100283.	5.2	55
66	Single Zinc Atoms Anchored on MOFâ€Derived Nâ€Doped Carbon Shell Cooperated with Magnetic Core as an Ultrawideband Microwave Absorber. Small, 2021, 17, e2101416.	5.2	92
67	Enhanced Magnetic Microwave Absorption at Lowâ€Frequency Band by Ferrite Assembled Microspheres with Controlled Components and Morphologies. Small Structures, 2021, 2, 2100033.	6.9	22
68	Confined Magneticâ€Dielectric Balance Boosted Electromagnetic Wave Absorption. Small, 2021, 17, e2100970.	5.2	71
69	Fabrication of Hollow Cube Dual-Semiconductor Ln₂O₃/MnO/C Nanocomposites with Excellent Microwave Absorption Performance. ACS Applied Materials & Interfaces, 2021, 13, 28689-28702.	4.0	61
70	The ordered mesoporous carbon coated graphene as a high-performance broadband microwave absorbent. Carbon, 2021, 179, 435-444.	5.4	41
71	Enhanced visualizing charge distribution of 2D/2D MXene/MoS2 heterostructure for excellent microwave absorption performance. Journal of Alloys and Compounds, 2021, 869, 159365.	2.8	61
72	In-situ regrowth constructed magnetic coupling 1D/2D Fe assembly as broadband and high-efficient microwave absorber. Chemical Engineering Journal, 2021, 415, 128951.	6.6	42

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73	3D Seed-Germination-Like MXene with In Situ Growing CNTs/Ni Heterojunction for Enhanced Microwave Absorption via Polarization and Magnetization. Nano-Micro Letters, 2021, 13, 157.	14.4	119
74	Interfacial optimization of PtNi octahedrons@Ti3C2MXene with enhanced alkaline hydrogen evolution activity and stability. Applied Catalysis B: Environmental, 2021, 291, 120100.	10.8	67
75	Enhanced dielectric polarization from disorder-engineered Fe3O4@black TiO2-x heterostructure for broadband microwave absorption. Chemical Engineering Journal, 2021, 419, 130020.	6.6	60
76	Unusual effects of vacuum annealing on large-area Ag3PO4 microcrystalline film photoanode boosting cocatalyst- and scavenger-free water splitting. Journal of Materiomics, 2021, 7, 929-939.	2.8	8
77	Probing the atomic interaction between zinc clusters and defective carbon in promoting the wide temperature applications of lithium-sulfur battery. Energy Storage Materials, 2021, 41, 703-714.	9.5	10
78	Interfacial charge redistribution in interconnected network of Ni2Pâ€“Co2P boosting electrocatalytic hydrogen evolution in both acidic and alkaline conditions. Chemical Engineering Journal, 2021, 424, 130444.	6.6	76
79	Accurately Engineering 2D/2D/0D Heterojunction In Hierarchical Ti₃C₂T_x MXene Nanoarchitectures for Electromagnetic Wave Absorption and Shielding. ACS Applied Materials & Interfaces, 2021, 13, 5866-5876.	4.0	56
80	Synthesis of Nonspherical Hollow Architecture with Magnetic Fe Core and Ni Decorated Tadpoleâ€Like Shell as Ultrabroad Bandwidth Microwave Absorbers. Small, 2021, 17, e2103351.	5.2	36
81	Zero-strain Ca_{0.4}Ce_{0.6}VO₄ anode material for high capacity and long-life Na-ion batteries. Journal of Materials Chemistry A, 2021, 9, 25663-25671.	5.2	4
82	Controllable Domain Walls in Two-Dimensional Ferromagnetic Material Fe₃GeTe₂ Based on the Spin-Transfer Torque Effect. ACS Nano, 2021, 15, 19513-19521.	7.3	6
83	Magnetic vortex core-shell Fe3O4@C nanorings with enhanced microwave absorption performance. Carbon, 2020, 157, 130-139.	5.4	310
84	In-situ electrochemical pretreatment of hierarchical Ni3S2-based electrocatalyst towards promoted hydrogen evolution reaction with low overpotential. Journal of Colloid and Interface Science, 2020, 559, 282-290.	5.0	32
85	MOF-derived yolk-shell Ni@C@ZnO Schottky contact structure for enhanced microwave absorption. Chemical Engineering Journal, 2020, 383, 123099.	6.6	407
86	Tuning strain effect and surface composition in PdAu hollow nanospheres as highly efficient ORR electrocatalysts and SERS substrates. Applied Catalysis B: Environmental, 2020, 262, 118298.	10.8	70
87	3D hierarchical local heterojunction of MoS2/FeS2 for enhanced microwave absorption. Chemical Engineering Journal, 2020, 379, 122241.	6.6	128
88	Plasma-induced FeSiAl@Al2O3@SiO2 coreâ€“shell structure for exceptional microwave absorption and anti-oxidation at high temperature. Chemical Engineering Journal, 2020, 384, 123371.	6.6	161
89	Hierarchical coupling effect in hollow Ni/NiFe2O4-CNTs microsphere via spray-drying for enhanced oxygen evolution electrocatalysis. Nano Research, 2020, 13, 437-446.	5.8	45
90	Rational design of 2D hierarchically laminated Fe₃O₄@nanoporous carbon@rGO nanocomposites with strong magnetic coupling for excellent electromagnetic absorption applications. Journal of Materials Chemistry C, 2020, 8, 2123-2134.	2.7	183

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91	3D conductive network wrapped CeO2-x Yolk@Shell hybrid microspheres for selective-frequency microwave absorption. Carbon, 2020, 162, 86-94.	5.4	49
92	In situ dynamics response mechanism of the tunable length-diameter ratio nanochains for excellent microwave absorber. Nano Research, 2020, 13, 72-78.	5.8	36
93	MOF Induces 2D GO to Assemble into 3D Accordionâ€Like Composites for Tunable and Optimized Microwave Absorption Performance. Small, 2020, 16, e2003905.	5.2	85
94	MOF-Derived Ni1â^'xCox@Carbon with Tunable Nanoâ€"Microstructure as Lightweight and Highly Efficient Electromagnetic Wave Absorber. Nano-Micro Letters, 2020, 12, 150.	14.4	222
95	Pb/C Composite with Spherical Pb Nanoparticles Encapsulated in Carbon Microspheres as a High-Performance Anode for Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 7416-7426.	2.5	13
96	Polarization-enhanced three-dimensional Co₃O₄/MoO₂/C flowers as efficient microwave absorbers. Journal of Materials Chemistry C, 2020, 8, 10248-10256.	2.7	17
97	Excellent microwave absorbing properties of ZnO/ZnFe2O4/Fe core-shell microrods prepared by a rapid microwave-assisted hydrothermal-chemical vapor decomposition method. Applied Surface Science, 2020, 531, 147353.	3.1	35
98	Skyrmion bubbles stabilization in confined hole and trench materials. Applied Physics Letters, 2020, 117, .	1.5	3
99	Highly Compressible Polymer Composite Foams with Thermal Heating-Boosted Electromagnetic Wave Absorption Abilities. ACS Applied Materials & Interfaces, 2020, 12, 50793-50802.	4.0	47
100	Rutile TiO₂ Nanoparticles Encapsulated in a Zeolitic Imidazolate Framework-Derived Hierarchical Carbon Framework with Engineered Dielectricity as an Excellent Microwave Absorber. ACS Applied Materials & Interfaces, 2020, 12, 48140-48149.	4.0	22
101	Galvanic Replacement Reaction Involving Coreâ€"Shell Magnetic Chains and Orientationâ€Tunable Microwave Absorption Properties. Small, 2020, 16, e2003502.	5.2	322
102	Domino Effect of Thickness Fluctuation on Subband Structure and Electron Transport within Semiconductor Cascade Structures. ACS Applied Materials & Interfaces, 2020, 12, 41950-41959.	4.0	7
103	Giant Topological Hall Effect and Superstable Spontaneous Skyrmions below 330 K in a Centrosymmetric Complex Noncollinear Ferromagnet NdMn₂Ge₂. ACS Applied Materials & Interfaces, 2020, 12, 24125-24132.	4.0	17
104	Hollow Nanochains: Hollow Palladiumâ€Gold Nanochains with Periodic Concave Structures as Superior ORR Electrocatalysts and Highly Efficient SERS Substrates (Adv. Energy Mater. 18/2020). Advanced Energy Materials, 2020, 10, 2070082.	10.2	5
105	3D freestanding flower-like nickel-cobalt layered double hydroxides enriched with oxygen vacancies as efficient electrocatalysts for water oxidation. Sustainable Materials and Technologies, 2020, 25, e00170.	1.7	8
106	Covalent Assembly of MoS₂ Nanosheets with SnS Nanodots as Linkages for Lithium/Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 14621-14627.	7.2	124
107	Covalent Assembly of MoS₂ Nanosheets with SnS Nanodots as Linkages for Lithium/Sodiumâ€Ion Batteries. Angewandte Chemie, 2020, 132, 14729-14735.	1.6	26
108	Anomalous Spin Behavior in Fe₃GeTe₂ Driven by Current Pulses. ACS Nano, 2020, 14, 9512-9520.	7.3	17

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109	Template-guided synthesis of porous MoN microrod as an effective sulfur host for high-performance Lithiumâ€“Sulfur batteries. Journal of Alloys and Compounds, 2020, 842, 155764.	2.8	22
110	Drawing advanced electromagnetic functional composites with ultra-low filler loading. Chemical Engineering Journal, 2020, 399, 125720.	6.6	13
111	Multidimensionâ€Controllable Synthesis of MOFâ€Derived Co@Nâ€Doped Carbon Composite with Magneticâ€Dielectric Synergy toward Strong Microwave Absorption. Small, 2020, 16, e2000158.	5.2	350
112	Engineering Phase Transformation of MoS₂/RGO by N-doping as an Excellent Microwave Absorber. ACS Applied Materials & Interfaces, 2020, 12, 16831-16840.	4.0	57
113	Guided-formation of a favorable interface for stabilizing Na metal solid-state batteries. Journal of Materials Chemistry A, 2020, 8, 7828-7835.	5.2	74
114	Hollow Palladiumâ€Gold Nanochains with Periodic Concave Structures as Superior ORR Electrocatalysts and Highly Efficient SERS Substrates. Advanced Energy Materials, 2020, 10, 1904072.	10.2	69
115	Improved microwave absorption performance of a multi-dimensional Fe₂O₃/CNTCM@CN assembly achieved by enhanced dielectric relaxation. Journal of Materials Chemistry C, 2020, 8, 5715-5726.	2.7	28
116	Magnetized MXene Microspheres with Multiscale Magnetic Coupling and Enhanced Polarized Interfaces for Distinct Microwave Absorption via a Spray-Drying Method. ACS Applied Materials & Interfaces, 2020, 12, 18138-18147.	4.0	108
117	Self-transforming ultrathin Î±-Co(OH)2 nanosheet arrays from metal-organic framework modified graphene oxide with sandwichlike structure for efficient electrocatalytic oxygen evolution. Nano Research, 2020, 13, 810-817.	5.8	53
118	Understanding the role of interface in advanced semiconductor nanostructure and its interplay with wave function overlap. Nano Research, 2020, 13, 1536-1543.	5.8	6
119	Conductive Li_{3.08}Cr_{0.02}Si_{0.09}V_{0.9}O₄ Anode Material: Novel â€œZeroâ€Strainâ€•Characteristic and Superior Electrochemical Li⁺ Storage. Advanced Energy Materials, 2020, 10, 1904267.	10.2	53
120	Dandelion-like carbon nanotube assembly embedded with closely separated Co nanoparticles for high-performance microwave absorption materials. Nanoscale, 2020, 12, 10149-10157.	2.8	56
121	Hollow porous Fe₂O₃ microspheres wrapped by reduced graphene oxides with high-performance microwave absorption. Journal of Materials Chemistry C, 2019, 7, 11167-11176.	2.7	59
122	A direct H2O2 production based on hollow porous carbon sphere-sulfur nanocrystal composites by confinement effect as oxygen reduction electrocatalysts. Nano Research, 2019, 12, 2614-2622.	5.8	59
123	Conductive-network enhanced microwave absorption performance from carbon coated defect-rich Fe2O3 anchored on multi-wall carbon nanotubes. Carbon, 2019, 155, 298-308.	5.4	113
124	Boosted Interfacial Polarization from Multishell TiO₂@Fe₃O₄@PPy Heterojunction for Enhanced Microwave Absorption. Small, 2019, 15, e1902885.	5.2	293
125	Interfacial Charge Field in Hierarchical Yolkâ€“Shell Nanocapsule Enables Efficient Immobilization and Catalysis of Polysulfides Conversion. Advanced Energy Materials, 2019, 9, 1901667.	10.2	59
126	Visualizing spatial potential and charge distribution in Ru/N-doped carbon electrocatalysts for superior hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 18072-18080.	5.2	41

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127	Enhanced polarization from flexible hierarchical MnO₂ arrays on cotton cloth with excellent microwave absorption. Nanoscale, 2019, 11, 13269-13281.	2.8	80
128	Ultrabroad Band Microwave Absorption of Carbonized Waxberry with Hierarchical Structure. Small, 2019, 15, e1902974.	5.2	172
129	Self-Assembly-Magnetized MXene Avoid Dual-Agglomeration with Enhanced Interfaces for Strong Microwave Absorption through a Tunable Electromagnetic Property. ACS Applied Materials & Interfaces, 2019, 11, 44536-44544.	4.0	179
130	Conductive Copper Niobate: Superior Li⁺â€Storage Capability and Novel Li⁺â€Transport Mechanism. Advanced Energy Materials, 2019, 9, 1902174.	10.2	99
131	Multi-scale magnetic coupling of Fe@SiO₂@Câ€“Ni yolk@triple-shell microspheres for broadband microwave absorption. Nanoscale, 2019, 11, 17270-17276.	2.8	68
132	Snâ€“C and Seâ€“C Co-Bonding SnSe/Few-Layered Graphene Microâ€“Nano Structure: Route to a Densely Compacted and Durable Anode for Lithium/Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 36685-36696.	4.0	83
133	Dynamic visualization of the phase transformation path in LiFePO₄ during delithiation. Nanoscale, 2019, 11, 17557-17562.	2.8	12
134	Hydrogen peroxide-assisted synthesis of oxygen-doped carbon nitride nanorods for enhanced photocatalytic hydrogen evolution. RSC Advances, 2019, 9, 28421-28431.	1.7	6
135	Dandelion-like Mn/Ni Co-doped CoO/C Hollow Microspheres with Oxygen Vacancies for Advanced Lithium Storage. ACS Nano, 2019, 13, 11921-11934.	7.3	106
136	Electron Holography of Yolkâ€“Shell Fe₃O₄@mSiO₂ Microspheres for Use in Microwave Absorption. ACS Applied Nano Materials, 2019, 2, 910-916.	2.4	41
137	Morphology-controlled synthesis and excellent microwave absorption performance of ZnCo₂O₄ nanostructures via a self-assembly process of flake units. Nanoscale, 2019, 11, 2694-2702.	2.8	166
138	Nano-spatially confined and interface-controlled lithiationâ€“delithiation in an in situ formed (SnSâ€“SnS₂â€“S)/FLG composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15320-15332.	5.2	32
139	Understanding the role of aluminium in determining the surface structure and electrochemical performance of layered cathodes. Nanoscale, 2019, 11, 13007-13016.	2.8	4
140	Two-Dimensional Energy Band Engineering in GaAs/AlGaAs Coreâ€“Shell Nanowires by Crystal-Phase Switching for Charge Manipulation. ACS Applied Nano Materials, 2019, 2, 3323-3328.	2.4	0
141	A Flexible Film toward Highâ€Performance Lithium Storage: Designing Nanosheetâ€Assembled Hollow Singleâ€Hole Niâ€“Coâ€“Mnâ€“O Spheres with Oxygen Vacancy Embedded in 3D Carbon Nanotube/Graphene Network. Small, 2019, 15, e1901343.	5.2	22
142	Heterointerfaceâ€Driven Band Alignment Engineering and its Impact on Macroâ€Performance in Semiconductor Multilayer Nanostructures. Small, 2019, 15, e1900837.	5.2	19
143	Enhanced Microwave Absorption Performance from Magnetic Coupling of Magnetic Nanoparticles Suspended within Hierarchically Tubular Composite. Advanced Functional Materials, 2019, 29, 1901448.	7.8	566
144	Ni_xMn_yCo_zO Nanowire/CNT Composite Microspheres with 3D Interconnected Conductive Network Structure via Sprayâ€Drying Method: A Highâ€Capacity and Longâ€Cycleâ€Life Anode Material for Lithiumâ€Ion Batteries. Small, 2019, 15, e1900069.	5.2	10

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145	Oriented Polarization Tuning Broadband Absorption from Flexible Hierarchical ZnO Arrays Vertically Supported on Carbon Cloth. Small, 2019, 15, e1900900.	5.2	205
146	Rooting bismuth oxide nanosheets into porous carbon nanoboxes as a sulfur immobilizer for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 7074-7081.	5.2	48
147	Superior-capacity binder-free anode electrode for lithium-ion batteries: Co_xMn_yNi_zO nanosheets with metal/oxygen vacancies directly formed on Cu foil. Nanoscale, 2019, 11, 5080-5093.	2.8	13
148	Highâ€Performance Microwave Absorption of MOFâ€Derived Coreâ€Shell Co@Nâ€doped Carbon Anchored on Reduced Graphene Oxide. ChemNanoMat, 2019, 5, 558-565.	1.5	53
149	Ferromagnetic Co₂₀Ni₈₀ nanoparticles encapsulated inside reduced graphene oxide layers with superior microwave absorption performance. Journal of Materials Chemistry C, 2019, 7, 2943-2953.	2.7	66
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