

# High performance columnar-like Fe<sub>2</sub>O<sub>3</sub>@carbon composite structural design

Journal of Energy Chemistry

41, 126-134

DOI: [10.1016/j.jechem.2019.05.009](https://doi.org/10.1016/j.jechem.2019.05.009)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Preparation of TiO <sub>2</sub> nanotube arrays with efficient photocatalytic performance and super-hydrophilic properties utilizing anodized voltage method. Results in Physics, 2019, 14, 102499.	2.0	22
2	Dual-Band Plasmonic Perfect Absorber Based on Graphene Metamaterials for Refractive Index Sensing Application. Micromachines, 2019, 10, 443.	1.4	89
3	Numerical investigation of a tunable metamaterial perfect absorber consisting of two-intersecting graphene nanoring arrays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 3030-3035.	0.9	56
4	Theoretical design of a triple-band perfect metamaterial absorber in the THz frequency range. Results in Physics, 2019, 14, 102463.	2.0	77
5	Synthesis, surface properties, crystal structure and dye-sensitized solar cell performance of TiO <sub>2</sub> nanotube arrays anodized under different parameters. Results in Physics, 2019, 15, 102609.	2.0	87
6	Fabrication of ZnO@Ag <sub>3</sub> PO <sub>4</sub> Core-Shell Nanocomposite Arrays as Photoanodes and Their Photoelectric Properties. Nanomaterials, 2019, 9, 1254.	1.9	73
7	Yolk-shell structured metal oxide@carbon nanoring anode boosting performance of lithium-ion batteries. New Journal of Chemistry, 2019, 43, 16148-16155.	1.4	10
8	Strongly Coupled MoS <sub>2</sub> Nanocrystal/Ti <sub>3</sub> C <sub>2</sub> Nanosheet Hybrids Enable High-Capacity Lithium-ion Storage. ChemSusChem, 2020, 13, 1485-1490.	3.6	39
9	Dual-Band Infrared Perfect Absorber Based on a Ag-Dielectric-Ag Multilayer Films with Nanoring Grooves Arrays. Plasmonics, 2020, 15, 93-100.	1.8	68
10	Reinventing the mechanism of high-performance Bi anode in aqueous K <sup>+</sup> rechargeable batteries. Journal of Energy Chemistry, 2020, 48, 21-28.	7.1	34
11	Bifunctional Li <sub>6</sub> CoO <sub>4</sub> serving as prelithiation reagent and pseudocapacitive electrode for lithium ion capacitors. Journal of Energy Chemistry, 2020, 47, 38-45.	7.1	33
12	A dual-band metamaterial absorber for graphene surface plasmon resonance at terahertz frequency. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113840.	1.3	129
13	Achieving Fast and Durable Lithium Storage through Amorphous FeP Nanoparticles Encapsulated in Ultrathin 3D P-Doped Porous Carbon Nanosheets. ACS Nano, 2020, 14, 9545-9561.	7.3	250
14	Application of Co <sub>3</sub> O <sub>4</sub> -based materials in electrocatalytic hydrogen evolution reaction: A review. International Journal of Hydrogen Energy, 2020, 45, 21205-21220.	3.8	91
15	Hierarchical Design of Mn <sub>2</sub> P Nanoparticles Embedded in N,P-Codoped Porous Carbon Nanosheets Enables Highly Durable Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 36247-36258.	4.0	36
16	In-situ preparation of gel polymer electrolyte with glass fiber membrane for lithium batteries. Journal of Power Sources, 2020, 472, 228627.	4.0	38
17	Improved Electrochemical Performance of 0.5Li <sub>2</sub> MnO <sub>3</sub> ·0.5LiNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> Cathode Materials for Lithium Ion Batteries Synthesized by Ionic-Liquid-Assisted Hydrothermal Method. Frontiers in Chemistry, 2020, 8, 729.	1.8	36
18	Micro/nanostructured TiNb <sub>2</sub> O <sub>7</sub> -related electrode materials for high-performance electrochemical energy storage: recent advances and future prospects. Journal of Materials Chemistry A, 2020, 8, 18425-18463.	5.2	59

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19	Electrospun MnCo <sub>2</sub> O <sub>4</sub> Nanotubes as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Energy &amp; Fuels</i> , 2020, 34, 11574-11580.	2.5	38
20	Convenient fabrication of a core-shell Sn@TiO <sub>2</sub> anode for lithium storage from tinplate electroplating sludge. <i>Chemical Communications</i> , 2020, 56, 10187-10190.	2.2	16
21	Dual network porous Si/Al <sub>9</sub> FeSi <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> composite for high performance Li-ion battery anode. <i>Electrochimica Acta</i> , 2020, 358, 136936.	2.6	11
22	In Situ Atomic-Scale Observation of Reversible Potassium Storage in Sb <sub>2</sub> S <sub>3</sub> @Carbon Nanowire Anodes. <i>Advanced Functional Materials</i> , 2020, 30, 2005417.	7.8	75
23	Monodisperse SnO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanocubes synthesized via phase separation and their advantages in electrochemical Li-ion storage. <i>Ionics</i> , 2020, 26, 6125-6132.	1.2	4
24	Study of TiO <sub>2</sub> -Coated Fe <sub>2</sub> O <sub>3</sub> Composites and the Oxygen-Defects Effect on the Application as the Anode Materials of High-Performance Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 11666-11673.	2.5	19
25	Carbon-Encapsulated Iron Oxide Nanoparticles in Self-Supporting Carbon Nanofiber for High-Performance Supercapacitor in Acid Electrolyte with Superior Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 12652-12661.	2.5	24
26	Selective Formation of the Li <sub>4</sub> Mn <sub>5</sub> O <sub>12</sub> Surface Spinel Phase in Sulfur-Doped Li-Excess-Layered Cathode Materials for Improved Cycle Life. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8037-8048.	3.2	17
27	Enabling ultrafast ionic conductivity in Br-based lithium argyrodite electrolytes for solid-state batteries with different anodes. <i>Energy Storage Materials</i> , 2020, 30, 238-249.	9.5	46
28	Hollow MoS <sub>3</sub> Nanospheres as Electrode Material for "Water-in-Salt" Ion Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 747-756.	2.4	15
29	Improved electrochemical properties and kinetics of an LiMn <sub>2</sub> O <sub>4</sub> -based cathode co-modified via Cu doping with truncated octahedron morphology. <i>New Journal of Chemistry</i> , 2020, 44, 10569-10577.	1.4	21
30	WO <sub>3</sub> -Based Materials as Electrocatalysts for Hydrogen Evolution Reaction. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	44
31	Nitrogen/chlorine-doped carbon nanodisk-encapsulated hematite nanoparticles for high-performance lithium-ion storage. <i>Journal of Alloys and Compounds</i> , 2020, 843, 156045.	2.8	7
32	Ultrahigh-rate sodium-ion battery anode enabled by vertically aligned (1T-2H MoS <sub>2</sub> )/CoS <sub>2</sub> heteronanosheets. <i>Materials Today Nano</i> , 2020, 12, 100089.	2.3	19
33	High-performance spherical LiVPO <sub>4</sub> F/C cathode enabled by facile spray pyrolysis. <i>Science China Technological Sciences</i> , 2020, 63, 2729-2734.	2.0	4
34	Bowl-like C@MoS <sub>2</sub> Nanocomposites as Anode Materials for Lithium-Ion Batteries: Enhanced Stress Buffering and Charge/Mass Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10065-10072.	3.2	35
35	Carbon-nitrogen quantum dots modification of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode material for lithium-ion batteries. <i>Ionics</i> , 2020, 26, 3325-3331.	1.2	4
36	Self-assembled GeO <sub>x</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Composites as Promising Anode Materials for Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2020, 59, 4711-4719.	1.9	18

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37	Role of Oxygen Deficiency and Microstructural Voids/Gaps in Nanostructures of $\text{Ca}_2\text{Fe}_2\text{O}_5$ as an Anode Toward Next-Generation High-Performance Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 6360-6373.	2.5	18
38	Ammonia-etching-assisted nanotailoring of manganese silicate boosts faradaic capacity for high-performance hybrid supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2220-2228.	2.5	26
39	Design of $\text{Nb}_2\text{O}_5$ /graphene hybrid aerogel as polymer binder-free electrodes for lithium-ion capacitors. <i>Materials Technology</i> , 2020, 35, 625-634.	1.5	18
40	Thin solid electrolyte interface on chemically bonded $\text{Sb}_2\text{Te}_3$ /CNT composite anodes for high performance sodium ion full cells. <i>Nano Energy</i> , 2020, 71, 104613.	8.2	38
41	Dominant pseudocapacitive lithium storage in the carbon-coated ferric oxide nanoparticles ( $\text{Fe}_2\text{O}_3@C$ ) towards anode materials for lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8186-8197.	3.8	41
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43	Lithiophilicity conversion of carbon paper with uniform $\text{Cu}_2\text{O}$ coating: Boosting stable $\text{Li-Cu}_2\text{O-CP}$ composite anode through melting infusion. <i>Chemical Engineering Journal</i> , 2020, 388, 124238.	6.6	5
44	Electrochemical reaction mechanism of amorphous iron selenite with ultrahigh rate and excellent cyclic stability performance as new anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 389, 124350.	6.6	42
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46	Surface Amorphization of Vanadium Dioxide (B) for $\text{K}^+$ Ion Battery. <i>Advanced Energy Materials</i> , 2020, 10, 2000717.	10.2	109
47	Porous $\text{FeP/C}$ composite nanofibers as high-performance anodes for Li-ion/Na-ion batteries. <i>Materials Today Energy</i> , 2020, 16, 100410.	2.5	23
48	Supersonically sprayed $\text{Fe}_2\text{O}_3/\text{C}/\text{CNT}$ composites for highly stable Li-ion battery anodes. <i>Chemical Engineering Journal</i> , 2020, 395, 125018.	6.6	55
49	Low-temperature solution synthesis and characterization of enhanced titanium dioxide photocatalyst on tailored mesoporous $\text{Al}_2\text{O}_3$ support. <i>Composites Communications</i> , 2020, 19, 82-89.	3.3	24
50	Designed formation of nitrogen-doped caramel sheathed bilateral hybrid oxides nanoarrays as ultra-stable anode for high-areal-capacity lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155069.	2.8	10
51	Superior Electrochemical and Kinetics Performance of $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ Cathode by Neodymium Synergistic Modifying for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 090509.	1.3	12
52	Loading $\text{Fe}_3\text{O}_4$ nanoparticles on paper-derived carbon scaffold toward advanced lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2021, 52, 1-11.	7.1	42
53	Recent advances in carbon nanostructures prepared from carbon dioxide for high-performance supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 54, 352-367.	7.1	97
54	N-doped porous carbon nanofibers sheathed pumpkin-like $\text{Si/C}$ composites as free-standing anodes for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 54, 727-735.	7.1	140

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55	Interface coupling 2D/2D SnSe <sub>2</sub> /graphene heterostructure as long-cycle anode for all-climate lithium-ion battery. <i>Chemical Engineering Journal</i> , 2021, 407, 126973.	6.6	52
56	Biotemplate synthesis of mesoporous $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> hierarchical structure with assisted pseudocapacitive as an anode for long-life lithium ion batteries. <i>Ceramics International</i> , 2021, 47, 3772-3779.	2.3	31
57	Carbon-coated cation-disordered rocksalt-type transition metal oxide composites for high energy Li-ion batteries. <i>Ceramics International</i> , 2021, 47, 1758-1765.	2.3	50
58	Nickel-Rich Layered Cathode Materials for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, 4249-4269.	1.7	44
59	Effects of chelating agents on electrochemical properties of Na <sub>0.9</sub> Ni <sub>0.45</sub> Mn <sub>0.55</sub> O <sub>2</sub> cathode materials. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157485.	2.8	28
60	Facile Fabrication of Fe <sub>2</sub> O <sub>3</sub> -Decorated Carbon Matrixes with a Multidimensional Structure as Anodes for Lithium-Ion Batteries. <i>Energy &amp; Fuels</i> , 2021, 35, 816-826.	2.5	14
61	Selenizing CoMoO <sub>4</sub> nanoparticles within electrospun carbon nanofibers towards enhanced sodium storage performance. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 663-672.	5.0	9
62	Electrochemical properties of $\gamma$ -LiVOPO <sub>4</sub> /C composites prepared by a combined sol-gel-microwave method. <i>Materials Letters</i> , 2021, 286, 128984.	1.3	0
63	Revealing the structure design of alloyed based electrodes for alkali metal ion batteries with in situ TEM. <i>Journal of Energy Chemistry</i> , 2021, 59, 405-418.	7.1	12
64	Synthesis and electrochemical properties of mixed-phase $\gamma$ - $\beta$ -LiVOPO <sub>4</sub> /C composites. <i>Ceramics International</i> , 2021, 47, 700-705.	2.3	1
65	Synthesis of iron oxide cubes/reduced graphene oxide composite and its enhanced lithium storage performance. <i>Chinese Chemical Letters</i> , 2021, 32, 113-118.	4.8	30
66	Highly efficient Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> heterostructure as anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 705-715.	5.0	116
67	Revealing the working mechanism of a multi-functional block copolymer binder for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2021, 59, 1-8.	7.1	8
68	All-inorganic halide perovskite CsPbBr <sub>3</sub> @CNTs composite enabling superior lithium storage performance with pseudocapacitive contribution. <i>Electrochimica Acta</i> , 2021, 367, 137352.	2.6	8
69	Graphene-encapsulated blackberry-like porous silicon nanospheres prepared by modest magnesiothermic reduction for high-performance lithium-ion battery anode. <i>Rare Metals</i> , 2021, 40, 383-392.	3.6	65
70	Neurons-system-like structured SnS <sub>2</sub> /CNTs composite for high-performance sodium-ion battery anode. <i>Rare Metals</i> , 2021, 40, 1383-1390.	3.6	67
71	A general route for the mass production of graphene-enhanced carbon composites toward practical pouch lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15654-15664.	5.2	69
72	Regulating the carbon distribution of anode materials in lithium-ion batteries. <i>Nanoscale</i> , 2021, 13, 3937-3947.	2.8	21

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73	Laser ablation of pristine Fe foil for constructing a layer-by-layer SiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> /Fe integrated anode for high cycling-stability lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10365-10376.	1.3	7
74	Sn@C composite for lithium ion batteries: amorphous vs. crystalline structures. <i>Ionics</i> , 2021, 27, 1403-1412.	1.2	6
75	Plate-like carbon-supported Fe <sub>3</sub> C nanoparticles with superior electrochemical performance. <i>Rare Metals</i> , 2021, 40, 1402-1411.	3.6	21
76	Reversible potassium storage in ultrafine CF : A superior cathode material for potassium batteries and its mechanism. <i>Journal of Energy Chemistry</i> , 2021, 53, 347-353.	7.1	16
77	Enhanced photocurrent by MOFs layer on Ti-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> for PEC water oxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7954-7963.	3.8	19
78	In-situ constructing uniform polymer network for iron oxide microspheres: A novel approach to improve the cycling stability of the conversion electrodes through chemical interaction. <i>Journal of Power Sources</i> , 2021, 489, 229510.	4.0	6
79	Carbon-enriched SiOC ceramics with hierarchical porous structure as anodes for lithium storage. <i>Electrochimica Acta</i> , 2021, 372, 137899.	2.6	32
80	FeBO <sub>3</sub> as a low cost and high-performance anode material for sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 3113-3117.	4.8	18
81	A yolk-shell structured CoS <sub>2</sub> @NC@CNC with double carbon shell coating from confined derivatization of ZIF-67 growth in carbon nanocages for superior Li storage. <i>Electrochimica Acta</i> , 2021, 371, 137773.	2.6	25
82	Boosting lithium storage performance of Si nanoparticles via thin carbon and nitrogen/phosphorus co-doped two-dimensional carbon sheet dual encapsulation. <i>Rare Metals</i> , 2021, 40, 1347-1356.	3.6	115
83	Engineering hollow multi-shelled Co <sub>3</sub> O <sub>4</sub> cubes to boost lithium storage performance. <i>Applied Surface Science</i> , 2021, 545, 149022.	3.1	9
84	Fe <sub>2</sub> O <sub>3</sub> -encapsulated SiC nanowires with superior electrochemical properties as anode materials for the lithium-ion batteries. <i>Ionics</i> , 2021, 27, 2431-2444.	1.2	5
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86	Porous N-doped C coated gallium nitride submicron bricks/reduced graphene oxide hybrid as high-performance anode for lithium-ion batteries. <i>Materials Chemistry and Physics</i> , 2021, 263, 124437.	2.0	8
87	Recent development of lithium argyrodite solid-state electrolytes for solid-state batteries: Synthesis, structure, stability and dynamics. <i>Nano Energy</i> , 2021, 83, 105858.	8.2	140
88	Graphitic Carbon-Doped Mesoporous Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Long-Life Li-Ion Anodes. <i>ACS Applied Nano Materials</i> , 2021, 4, 6689-6699.	2.4	11
89	Tetrabutylammonium <sup>+</sup> Intercalated 1T-MoS <sub>2</sub> Nanosheets with Expanded Interlayer Spacing Vertically Coupled on 2D Delaminated MXene for High-Performance Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2104286.	7.8	106
90	Uniform $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles with narrow gap immobilized on CNTs through N-doped carbon as high-performance lithium-ion batteries anode. <i>Ceramics International</i> , 2021, 47, 15743-15749.	2.3	18

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91	Piezoelectric composite of BaTiO <sub>3</sub> -coated SnO <sub>2</sub> microsphere: Li-ion battery anode with enhanced electrochemical performance based on accelerated Li <sup>+</sup> mobility. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159267.	2.8	10
92	Fe <sub>2</sub> O <sub>3</sub> Microcubes Derived from Metal-Organic Frameworks for Lithium-Ion Storage with Excellent Performance. <i>Crystals</i> , 2021, 11, 854.	1.0	3
93	Alkoxide hydrolysis in-situ constructing robust trimanganese tetraoxide/graphene composite for high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 531-539.	5.0	11
94	High lithiophilic nitrogen-doped carbon nanotube arrays prepared by in-situ catalyze for lithium metal anode. <i>Chinese Chemical Letters</i> , 2021, 32, 2254-2258.	4.8	32
95	MOF-derived iron sulfide nanocomposite with sulfur-doped carbon shell as a promising anode material for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159110.	2.8	19
96	Design principles and direct applications of cobalt-based metal-organic frameworks for electrochemical energy storage. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213872.	9.5	51
97	<math>Li_4Ti_5O_{12}</math> spinel anode: Fundamentals and advances in rechargeable batteries. <i>Informa-Materially</i> , 2022, 4, .	8.5	71
98	Wrinkled, partially-graphitized carbon encapsulated silicon with preformed voids as lithium-ion battery anode with enhanced cyclic and rate performances. <i>Composites Communications</i> , 2021, 26, 100782.	3.3	3
99	Ultrafine ZnSe Encapsulated in Nitrogen-Doped Porous Carbon Nanofibers for Superior Na-Ion Batteries with a Long Lifespan and Low-Temperature Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11705-11713.	3.2	31
100	Li-Ion Capacitors Based on Activated Ferric Oxide as an Anode. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2022, 19, .	1.1	2
101	Investigation of the cyclic aging characteristics and degradation mechanism of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> batteries by non-invasive methodologies. <i>Surfaces and Interfaces</i> , 2021, 25, 101235.	1.5	1
102	LiPO <sub>2</sub> F <sub>2</sub> electrolyte additive for high-performance Li-rich cathode material. <i>Journal of Energy Chemistry</i> , 2021, 60, 564-571.	7.1	49
103	Enhanced electrochemical performance of a selectively formed V <sub>2</sub> O <sub>3</sub> /C composite structure for Li-ion batteries. <i>Electrochimica Acta</i> , 2021, 389, 138685.	2.6	17
104	Quad-band tunable graphene-based metamaterial absorber operating at THz frequencies. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	4
105	Synthesis of MnSe @C yolk-shell nanospheres via a water vapor-assisted strategy for use as anode in sodium-ion batteries. <i>International Journal of Energy Research</i> , 2022, 46, 2500-2511.	2.2	16
106	Constructing CoFe <sub>2</sub> O <sub>4</sub> with cubic structure by Prussian blue to provide high-performance anodes for lithium-ion batteries. <i>Materials Letters</i> , 2021, 300, 130152.	1.3	6
107	N-doped carbon coated SnO <sub>2</sub> nanospheres as Li-ion battery anode with high capacity and good cycling stability. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115694.	1.9	3
108	A review on nanoconfinement engineering of red phosphorus for enhanced Li/Na/K-ion storage performances. <i>Journal of Energy Chemistry</i> , 2021, 61, 531-552.	7.1	36

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109	Nanoneedle-assembled hollow $\text{Fe}_2\text{O}_3$ microflowers as Li-ion battery anode with high capacity and good temperature tolerance. <i>Journal of Electroanalytical Chemistry</i> , 2021, 898, 115625.	1.9	10
110	Using Prussian blue as a self-sacrificial template to construct $\text{MnO}/\text{MnFe}_2\text{O}_4$ microcubes as anodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160693.	2.8	14
111	A strongly interactive adatom/substrate interface for dendrite-free and high-rate Li metal anodes. <i>Journal of Energy Chemistry</i> , 2021, 62, 179-190.	7.1	22
112	High-performance of $\text{LaCoO}_3/\text{Co}_3\text{O}_4$ nanocrystal as anode for lithium-ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127265.	2.3	17
113	Ultra-thin N-doped carbon coated $\text{SnO}_2$ nanotubes as anode material for high performance lithium-ion batteries. <i>Applied Surface Science</i> , 2021, 568, 150969.	3.1	16
114	Study on self-derived products of nanometer lignin in silicon nitride ceramics during sintering process. <i>Results in Materials</i> , 2021, 12, 100228.	0.9	4
115	A safe, low-cost and high-efficiency presodiation strategy for pouch-type sodium-ion capacitors with high energy density. <i>Journal of Energy Chemistry</i> , 2022, 64, 442-450.	7.1	24
116	Al-Doped $\text{Fe}_2\text{O}_3$ nanoparticles: advanced anode materials for high capacity lithium ion batteries. <i>Dalton Transactions</i> , 2021, 50, 5115-5119.	1.6	12
117	The precise synthesis of twin-born $\text{Fe}_3\text{O}_4/\text{FeS}$ /carbon nanosheets for high-rate lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4579-4588.	3.2	28
118	Practical development and challenges of garnet-structured $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ electrolytes for all-solid-state lithium-ion batteries: A review. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 1565-1583.	2.4	26
119	Anion-immobilized solid composite electrolytes based on metal-organic frameworks and superacid $\text{ZrO}_2$ fillers for high-performance all solid-state lithium metal batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 1636-1646.	2.4	30
120	Graphene induced growth of $\text{Sb}_2\text{WO}_6$ nanosheets for high-performance pseudocapacitive lithium-ion storage. <i>Journal of Alloys and Compounds</i> , 2020, 839, 155614.	2.8	23
121	Hierarchical $\text{Co}_2\text{VO}_4$ yolk-shell microspheres confined by N-doped carbon layer as anode for high-rate lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 115027.	1.9	11
122	Space-Confined Synthesis of Ultrasmall $\text{SnO}_2$ Nanodots within Ordered Mesoporous Carbon CMK-3 for High-Performance Lithium Ion Batteries. <i>Energy &amp; Fuels</i> , 2020, 34, 7709-7715.	2.5	19
123	Advance in interface and characterizations of sulfide solid electrolyte materials. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 228803.	0.2	24
124	A chain-like compound of Si@CNT nanostructures and MOF-derived porous carbon as an anode for Li-ion batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 1611-1620.	2.4	16
125	Rational design of nano- $\text{Fe}_3\text{O}_4$ encapsulated in 3D honeycomb biochar for enhanced lithium storage performance. <i>Nanotechnology</i> , 2022, 33, 035401.	1.3	8
126	Deoxygenated porous carbon with highly stable electrochemical reaction interface for practical high-performance lithium-ion capacitors. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 045501.	1.3	9



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128	High-Performance Freestanding Lithium-Ion Battery Si Anode by Weakening the Current-Collector Constraint. <i>Journal of the Electrochemical Society</i> , 2020, 167, 080536.	1.3	0
129	Mechanism Analysis of Preparation of Anode Materials for Lithium-Ion Batteries. <i>Hans Journal of Chemical Engineering and Technology</i> , 2020, 10, 192-207.	0.0	0
130	Redispersed Bi nanoparticles on graphene fiber fabric anode regulated by microwave irradiation for flexible sodium ion capacitors. <i>Chemical Engineering Journal</i> , 2022, 433, 133521.	6.6	8
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133	A New Octagonal Close Ring Resonator Based Dumbbell-Shaped Tuning Fork Perfect Metamaterial Absorber for C- and Ku-Band Applications. <i>Micromachines</i> , 2022, 13, 162.	1.4	15
134	Heterostructure Fe <sub>2</sub> O <sub>3</sub> nanorods@imine-based covalent organic framework for long cycling and high-rate lithium storage. <i>Nanoscale</i> , 2022, 14, 1906-1920.	2.8	13
135	Bi nanoparticles in situ encapsulated by carbon film as high-performance anode materials for Li-ion batteries. <i>Journal of Energy Chemistry</i> , 2022, 69, 524-530.	7.1	27
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138	Multiple transition metals modulated hierarchical networks for high performance of metal-ion batteries. <i>Journal of Energy Chemistry</i> , 2022, 70, 604-613.	7.1	11
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142	A simple route to constructing rGO wrapped Fe <sub>2</sub> O <sub>3</sub> cubes as a high-performance anode material for lithium-ion batteries. <i>Ionics</i> , 2022, 28, 3165-3176.	1.2	1
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147	A Review of Cobalt-Containing Nanomaterials, Carbon Nanomaterials and Their Composites in Preparation Methods and Application. <i>Nanomaterials</i> , 2022, 12, 2042.	1.9	6
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150	Heterostructured MnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> nanoarrays layer-by-layer assembled on stainless-steel mesh as free-standing anodes for lithium ion batteries towards enhanced performance. <i>Materials Today Communications</i> , 2022, 32, 104034.	0.9	4
151	Microstructure and lithium storage properties of Fe <sub>2</sub> O <sub>3</sub> in N-doped carbon nanosheets. <i>Solid State Ionics</i> , 2022, 383, 115981.	1.3	4
152	Fe <sub>2</sub> O <sub>3</sub> -MWNTs Composite with Reinforced Concrete Structure as High-performance Anode Material for Lithium-ion Batteries. <i>Chemical Research in Chinese Universities</i> , 2023, 39, 240-245.	1.3	2
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155	Holy cross-moon shaped dual band perfect metamaterial absorber for C-band application. <i>Materials Today Communications</i> , 2022, 33, 104309.	0.9	3
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158	Synergetic Contributions from the Components of Flexible 3D Structured C/Ag/ZnO/CC Anode Materials for Lithium Ion Batteries. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	1
159	Fe <sub>2</sub> O <sub>3</sub> nanoparticles anchored on thermally oxidized MWCNTs as anode material for lithium-ion battery. <i>Nanotechnology</i> , 0, , .	1.3	2
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161	Building oxygen-vacancy in Co <sub>3</sub> O <sub>4</sub> nanocrystal towards ultrahigh pseudocapacitance. <i>Journal of Alloys and Compounds</i> , 2022, 929, 167299.	2.8	1
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165	Layer-by-layer anodes with an orientation-arranged structure induced by magnetic field for high-performance lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2022, 7, 201-208.	2.5	4
166	Integrated structure design and synthesis of a pitaya-like SnO <sub>2</sub> /N-doped carbon composite for high-rate lithium storage capability. <i>Nanoscale</i> , 2023, 15, 1669-1675.	2.8	4
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168	Curcumin nanoparticles combined with 3D printed bionic tumor models for breast cancer treatment. <i>Biofabrication</i> , 2023, 15, 014105.	3.7	5
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171	Influence of Samarium on Structural, Morphological, and Electrical Properties of Lithium Manganese Oxide. <i>Advances in Materials Science and Engineering</i> , 2023, 2023, 1-10.	1.0	0
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