Gang Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1296030/publications.pdf

Version: 2024-02-01

143 papers	6,121 citations	53794 45 h-index	85541 71 g-index
143 all docs	143 docs citations	143 times ranked	7402 citing authors

#	Article	IF	Citations
1	Polyaniline/Au Composite Hollow Spheres:Â Synthesis, Characterization, and Application to the Detection of Dopamine. Langmuir, 2006, 22, 4384-4389.	3.5	335
2	Preparation of Fe3O4 with high specific surface area and improved capacitance as a supercapacitor. Nanoscale, 2013, 5, 3793.	5.6	280
3	Electronic Structure Regulation of Layered Vanadium Oxide via Interlayer Doping Strategy toward Superior Highâ€Rate and Lowâ€Temperature Zincâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 1907684.	14.9	259
4	Assembly of AgI nanoparticles and ultrathin g-C3N4 nanosheets codecorated Bi2WO6 direct dual Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced photocatalytic performance. Chemical Engineering Journal, 2019, 373, 1144-1157.	12.7	199
5	Li3V2(PO4)3/graphene nanocomposites as cathode material for lithium ion batteries. Chemical Communications, 2011, 47, 9110.	4.1	194
6	The doping effect on the crystal structure and electrochemical properties of LiMnxM1â^'xPO4 (M=Mg,) Tj ETQq0 0 0 rgBT /Overlock 10 T	7.8	141
7	Microwave Solid-State Synthesis of LiV3O8as Cathode Material for Lithium Batteries. Journal of Physical Chemistry B, 2005, 109, 11186-11196.	2.6	135
8	Kinetics of conventional carbon coated-Li3V2(PO4)3 and nanocomposite Li3V2(PO4)3/graphene as cathode materials for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 11039.	6.7	117
9	In Situ Preparation of Sandwich MoO₃/C Hybrid Nanostructures for Highâ€Rate and Ultralongâ€Life Supercapacitors. Advanced Functional Materials, 2015, 25, 1886-1894.	14.9	116
10	Polyaniline-intercalated layered vanadium oxide nanocompositesâ€”One-pot hydrothermal synthesis and application in lithium battery. Nanoscale, 2010, 2, 2131.	5.6	115
11	Porous Hybrid Composites of Few-Layer MoS₂Nanosheets Embedded in a Carbon Matrix with an Excellent Supercapacitor Electrode Performance. Small, 2015, 11, 6480-6490.	10.0	106
12	Self-Assembly of Polyaniline/Au Composites: From Nanotubes to Nanofibers. Macromolecular Rapid Communications, 2006, 27, 31-36.	3.9	105
13	Li2ZrO3-coated 0.4Li2MnO3Â·0.6LiNi1/3Co1/3Mn1/3O2 for high performance cathode material in lithium-ion battery. Journal of Power Sources, 2014, 264, 147-154.	7.8	93
14	Real-time temperature measurement with fiber Bragg sensors in lithium batteries for safety usage. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3166-3172.	5.0	85
15	Full microwave synthesis of advanced Li-rich manganese based cathode material for lithium ion batteries. Journal of Power Sources, 2017, 337, 82-91.	7.8	84
16	Investigation of the Structure of MCM-41 Samples with a High Copper Content. Advanced Functional Materials, 2004, 14, 816-820.	14.9	83
17	In situ preparation of SnO2@polyaniline nanocomposites and their synergetic structure for high-performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 8334.	10.3	83
18	Rapid Self-Assembly Spherical Li_{1.2}Mn_{0.56}Ni_{0.16}Co_{0.08}O₂ with Improved Performances by Microwave Hydrothermal Method as Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 11476-11487.	8.0	82

#	Article	IF	Citations
19	A novel Au/g-C3N4 nanosheets/CeO2 hollow nanospheres plasmonic heterojunction photocatalysts for the photocatalytic reduction of hexavalent chromium and oxidation of oxytetracycline hydrochloride. Chemical Engineering Journal, 2021, 409, 128185.	12.7	74
20	Study the effect of ion-complex on the properties of composite gel polymer electrolyte based on Electrospun PVdF nanofibrous membrane. Electrochimica Acta, 2015, 151, 289-296.	5.2	73
21	Electrospun mesoporous W6+-doped TiO2 thin films for efficient visible-light photocatalysis. Materials Letters, 2009, 63, 331-333.	2.6	71
22	Nanocomposites of Polyaniline and a Layered Inorganic Acid Host: Polymerization of Aniline in the Layers, Conformation, and Electrochemical Studies. Advanced Functional Materials, 2007, 17, 401-412.	14.9	70
23	Improved High Rate Capacity and Lithium Diffusion Ability of LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂with Ordered Crystal Structure. Journal of the Electrochemical Society, 2012, 159, A506-A513.	2.9	61
24	In-situ assembly of three-dimensional MoS2 nanoleaves/carbon nanofiber composites derived from bacterial cellulose as flexible and binder-free anodes for enhanced lithium-ion batteries. Electrochimica Acta, 2016, 211, 404-410.	5.2	60
25	Heating Behavior and Crystal Growth Mechanism in Microwave Field. Journal of Physical Chemistry B, 2005, 109, 1371-1379.	2.6	58
26	A novel LiCoPO₄-coated coreâ€“shell structure for spinel LiNi_{0.5}Mn_{1.5}O₄ as a high-performance cathode material for lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 996-1004.	10.3	58
27	Lithium diffusion behavior and improved high rate capacity of LiNi1/3Co1/3Mn1/3O2 as cathode material for lithium batteries. Solid State Ionics, 2012, 207, 50-56.	2.7	57
28	Optimal microwave-assisted hydrothermal synthesis of nanosized x Li 2 MnO 3 Â·(1Ââ^'Â x)LiNi 1/3 Co 1/3 Mn 1/3 O 2 cathode materials for lithium ion battery. Journal of Power Sources, 2014, 247, 219-227.	7.8	57
29	Microwave rapid preparation of LiNi0.5Mn1.5O4 and the improved high rate performance for lithium-ion batteries. Electrochimica Acta, 2013, 100, 125-132.	5.2	55
30	Directly scalable preparation of sandwiched MoS2/graphene nanocomposites via ball-milling with excellent electrochemical energy storage performance. Electrochimica Acta, 2019, 299, 143-151.	5.2	55
31	An organic cathode with tailored working potential for aqueous Zn-ion batteries. Chemical Communications, 2020, 56, 11859-11862.	4.1	54
32	Temperature-controlled microwave solid-state synthesis of Li3V2(PO4)3 as cathode materials for lithium batteries. Journal of Power Sources, 2010, 195, 5374-5378.	7.8	53
33	Influence of Mn content on the morphology and improved electrochemical properties of Mn3O4|MnO@carbon nanofiber as anode material for lithium batteries. Journal of Power Sources, 2012, 216, 353-362.	7.8	53
34	Bicontinuous Structure of Li₃V₂(PO₄)₃ Clustered via Carbon Nanofiber as High-Performance Cathode Material of Li-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 13934-13943.	8.0	53
35	Electrospun Er:TiO2 nanofibrous films as efficient photocatalysts under solar simulated light. Materials Letters, 2010, 64, 147-150.	2.6	52
36	Fast facile synthesis of SnO2/Graphene composite assisted by microwave as anode material for lithium-ion batteries. Electrochimica Acta, 2017, 246, 1104-1111.	5.2	52

#	Article	IF	Citations
37	The effect of tin content to the morphology of Sn/carbon nanofiber and the electrochemical performance as anode material for lithium batteries. Electrochimica Acta, 2011, 58, 44-51.	5.2	51
38	PVDF-based composite microporous gel polymer electrolytes containing a novelsingle ionic conductor SiO2(Li+). Electrochimica Acta, 2013, 112, 183-190.	5.2	51
39	Hybrid gel polymer electrolyte fabricated by electrospinning technology for polymer lithium-ion battery. European Polymer Journal, 2015, 67, 365-372.	5.4	51
40	The preparation and role of Li2ZrO3 surface coating LiNi0.5Co0.2Mn0.3O2 as cathode for lithium-ion batteries. Applied Surface Science, 2016, 361, 150-156.	6.1	51
41	Photocatalytic reduction of CO2 and degradation of Bisphenol-S by g-C3N4/Cu2O@Cu S-scheme heterojunction: Study on the photocatalytic performance and mechanism insight. Carbon, 2022, 193, 272-284.	10.3	51
42	Synthesis of polyaniline/MCM-41 composite through surface polymerization of aniline. Journal of Applied Polymer Science, 2006, 101, 2088-2094.	2.6	50
43	Microwave solid-state synthesis and electrochemical properties of carbon-free Li3V2(PO4)3 as cathode materials for lithium batteries. Electrochimica Acta, 2010, 55, 2951-2957.	5.2	49
44	A novel approach for sulfur-doped hierarchically porous carbon with excellent capacitance for electrochemical energy storage. Chemical Communications, 2016, 52, 12725-12728.	4.1	49
45	Design and self-assembly of metal-organic framework-derived porous Co3O4 hierarchical structures for lithium-ion batteries. Ceramics International, 2016, 42, 5160-5170.	4.8	49
46	Ultrasonic-assisted synthesis of amorphous Fe3O4 with a high specific surface area and improved capacitance for supercapacitor. Powder Technology, 2014, 256, 499-505.	4.2	47
47	A review on structuralized current collectors for high-performance lithium-ion battery anodes. Applied Energy, 2020, 276, 115464.	10.1	47
48	General synthesis and morphology control of LiMnPO4 nanocrystals via microwave-hydrothermal route. Electrochimica Acta, 2011, 56, 3093-3100.	5.2	46
49	Ultrahigh Voltage Synthesis of 2D Amorphous Nickel-Cobalt Hydroxide Nanosheets on CFP for High Performance Energy Storage Device. Electrochimica Acta, 2016, 190, 695-702.	5.2	46
50	Li2ZrO3 coated LiNi1/3Co1/3Mn1/3O2 for high performance cathode material in lithium batteries. Electrochimica Acta, 2014, 119, 236-242.	5.2	45
51	Preparation of Mn3O4 nanoparticles at room condition for supercapacitor application. Powder Technology, 2013, 235, 76-81.	4.2	43
52	Study of Microstructure Change of Carbon Nanofibers as Binder-Free Anode for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 33091-33101.	8.0	43
53	Electrospinning of carbon/CdS coaxial nanofibers with photoluminescence and conductive properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 140, 48-52.	3.5	41
54	Efficient microwave hydrothermal synthesis of nanocrystalline orthorhombic LiMnO2 cathodes for lithium batteries. Electrochimica Acta, 2010, 55, 3392-3397.	5.2	41

#	Article	IF	Citations
55	Co₃O₄nanostructures with a high rate performance as anode materials for lithium-ion batteries, prepared via book-like cobaltâ€“organic frameworks. CrystEngComm, 2014, 16, 10227-10234.	2.6	40
56	2D Film of Carbon Nanofibers Elastically Astricted MnO Microparticles: A Flexible Binderâ€Free Anode for Highly Reversible Lithium Ion Storage. Small, 2017, 13, 1604182.	10.0	38
57	The composite of carbon nanotube connecting SnO2/reduced graphene clusters as highly reversible anode material for lithium-/sodium-ion batteries and full cell. Composites Part B: Engineering, 2019, 169, 109-117.	12.0	38
58	Designing S-scheme Au/g-C3N4/BiO1.2I0.6 plasmonic heterojunction for efficient visible-light photocatalysis. Separation and Purification Technology, 2022, 287, 120531.	7.9	38
59	Highly active free-standing and flexible MoS2/rGO sandwich-structured films for supercapacitor applications. Solid State Communications, 2019, 297, 45-49.	1.9	37
60	Preparation and electrochemical properties of Li3V1.8Mn0.2(PO4)3 doped via different Mn sources. Journal of Power Sources, 2014, 261, 188-197.	7.8	36
61	Crystal structure and electrochemical performance of Li3V2(PO4)3 synthesized by optimized microwave solid-state synthesis route. Electrochimica Acta, 2010, 55, 3669-3680.	5.2	35
62	Rapid Microwave Synthesis of Self-Assembled Hierarchical Mn2O3 Microspheres as Advanced Anode Material for Lithium Ion Batteries. Electrochimica Acta, 2017, 224, 285-294.	5.2	35
63	Synthesis of micron-sized LiNi0.5Mn1.5O4 single crystals through in situ microemulsion/coprecipitation and characterization of their electrochemical capabilities. Powder Technology, 2019, 343, 445-453.	4.2	31
64	A novel inorganicâ€“organic polymer electrolyte with a high conductivity: insertion of poly(ethylene) oxide into LiV3O8in one step. Journal of Materials Chemistry, 2005, 15, 1369-1374.	6.7	30
65	Preparation of Si/Sn-Based Nanoparticles Composited with Carbon Fibers and Improved Electrochemical Performance as Anode Materials. ACS Sustainable Chemistry and Engineering, 2014, 2, 2310-2317.	6.7	30
66	Heterostructural composite of fewâ€layered MoS ₂ /hexagonal MoO ₂ particles/graphene as anode material for highly reversible lithium/sodium storage. International Journal of Energy Research, 2020, 44, 518-527.	4.5	29
67	Super-hydrophilic microporous biochar from biowaste for supercapacitor application. Applied Surface Science, 2021, 561, 150076.	6.1	29
68	Integration of plasmonic effect and S-scheme heterojunction into gold decorated carbon nitride/cuprous oxide catalyst for photocatalysis. Journal of Cleaner Production, 2022, 360, 131948.	9.3	29
69	Large-scale preparation of shape controlled SnO and improved capacitance for supercapacitors: from nanoclusters to square microplates. Nanoscale, 2013, 5, 7613.	5.6	28
70	Enhanced Zn2+ transfer dynamics via a 3D bird nest-like VO2/MXene heterojunction for ultrahigh-rate aqueous zinc-ion batteries. Journal of Power Sources, 2022, 520, 230872.	7.8	28
71	Polypyrrole doped with redox-active poly(2-methoxyaniline-5-sulfonic acid) for lithium secondary batteries. RSC Advances, 2013, 3, 5447.	3.6	27
72	Synthesis of MnNb2O6 with hierarchical structure as a novel electrode material for high-performance supercapacitors. Journal of Alloys and Compounds, 2018, 750, 428-435.	5.5	27

#	Article	IF	Citations
73	Rapid microwave-hydrothermal preparation of few-layer MoS2/C nanocomposite as anode for highly reversible lithium storage properties. Journal of Materials Science, 2018, 53, 14548-14558.	3.7	27
74	A novel CoO hierarchical morphologies on carbon nanofiber for improved reversibility as binder-free anodes in lithium/sodium ion batteries. Journal of Alloys and Compounds, 2019, 794, 385-395.	5.5	27
75	Improved lithium storage properties of electrospun TiO2 with tunable morphology: from porous anatase to necklace rutile. Nanoscale, 2013, 5, 10267.	5.6	26
76	Preparation and performance characterization of AlF 3 as interface stabilizer coated Li 1.24 Ni 0.12 Co 0.12 Mn 0.56 O 2 cathode for lithium-ion batteries. Applied Surface Science, 2017, 406, 21-29.	6.1	26
77	Cyanometallic frameworks derived hierarchical porous Fe 2 O 3 /NiO microflowers with excellent lithium-storage property. Journal of Alloys and Compounds, 2017, 698, 469-475.	5.5	26
78	Li 2 ZrO 3 -coated Li 4 Ti 5 O 12 with nanoscale interface for high performance lithium-ion batteries. Applied Surface Science, 2016, 368, 56-62.	6.1	25
79	Enhanced electrochemical performance of LiMn 2 O 4 by constructing a stable Mn 2+ -rich interface. Applied Surface Science, 2017, 426, 19-28.	6.1	25
80	Complementary stabilization by core/sheath carbon nanofibers/spongy carbon on submicron tin oxide particles as anode for lithium-ion batteries. Journal of Power Sources, 2019, 413, 42-49.	7.8	25
81	The role of stable interface in nano-sized FeNbO4 as anode electrode for lithium-ion batteries. Electrochimica Acta, 2016, 203, 206-212.	5.2	24
82	Molten salt-assisted regeneration and characterization of submicron-sized LiNi0.5Co0.2Mn0.3O2 crystals from spent lithium ion batteries. Journal of Alloys and Compounds, 2020, 848, 156591.	5.5	24
83	Preparation and characterization of Li3V2(PO4)3 grown on carbon nanofiber as cathode material for lithium-ion batteries. Electrochimica Acta, 2015, 176, 1358-1363.	5.2	23
84	Preparation and Electrochemical Properties of Highâ€Voltage Spinel LiNi_{0.5}Mn_{1.5}O₄ Synthesized by using Different Manganese Sources. ChemElectroChem, 2017, 4, 1205-1213.	3.4	23
85	Composite structure and properties of Mn3O4/graphene oxide and Mn3O4/graphene. Journal of Materials Chemistry A, 2013, , .	10.3	22
86	Preparation of hybrid polymer based on polyurethane lithium salt and polyvinylidene fluoride as electrolyte for lithium-ion batteries. Electrochimica Acta, 2014, 136, 513-520.	5.2	22
87	Synergetic interface between NiO/Ni3S2 nanosheets and carbon nanofiber as binder-free anode for highly reversible lithium storage. Applied Surface Science, 2018, 441, 232-238.	6.1	22
88	Enhanced high-rate electrochemical performance of Li3V1.8Mn0.2(PO4)3 by atomic doping of Mn(III). Electrochimica Acta, 2014, 125, 338-346.	5.2	21
89	Effects of Microwave-Hydrothermal Conditions on the Purity and Electrochemical Performance of Orthorhombic LiMnO₂. ACS Sustainable Chemistry and Engineering, 2014, 2, 359-366.	6.7	21
90	An active core-shell nanoscale design for high voltage cathode of lithium storage devices. Journal of Power Sources, 2017, 360, 409-418.	7.8	21

#	Article	IF	Citations
91	CoCO3 micrometer particles stabilized by carbon nanofibers networks as composite electrode for enhanced rate and cyclic performance of lithium-ion batteries. Electrochimica Acta, 2018, 270, 22-29.	5.2	21
92	The effect of Ni oxidation state on the crystal structure and electrochemical properties of LiNi0.8Co0.1Mn0.1O2 cathode material for highly reversible lithium storage. Journal of Alloys and Compounds, 2021, 882, 160642.	5.5	21
93	Efficient construction of a CoCO3/graphene composite anode material for lithium-ion batteries by stirring solvothermal reaction. Ceramics International, 2018, 44, 3718-3725.	4.8	21
94	A novel PVdF-based composite gel polymer electrolyte doped with ionomer modified graphene oxide. RSC Advances, 2016, 6, 97338-97345.	3.6	19
95	Surface modification and in situ carbon intercalation of two-dimensional niobium carbide as promising electrode materials for potassium-ion batteries. Chemical Engineering Journal, 2022, 431, 133838.	12.7	19
96	Density Functional Theoretical Studies on Polyaniline/HNb₃O₈ Layered Nanocomposites. Advanced Functional Materials, 2007, 17, 3521-3529.	14.9	18
97	A facile strategy to construct binder-free flexible carbonate composite anode at low temperature with high performances for lithium-ion batteries. Electrochimica Acta, 2017, 246, 1004-1015.	5.2	18
98	Synthesis of wolframite FeNbO4 nanorods as a novel anode material for improved lithium storage capability. Journal of Alloys and Compounds, 2018, 740, 7-15.	5.5	18
99	Microwave-assisted hydrothermal synthesis of sphere-like C/CuO and CuO nanocrystals and improved performance as anode materials for lithium-ion batteries. Powder Technology, 2013, 241, 43-48.	4.2	17
100	On the theory of high rate capability of LiMn2O4 with some preferred orientations: insights from the crystal shape algorithm. Physical Chemistry Chemical Physics, 2014, 16, 2553.	2.8	17
101	Freezeâ€Dryingâ€Assisted Synthesis of Porous SnO₂/rGO Xerogels as Anode Materials for Highly Reversible Lithium/Sodium Storage. ChemElectroChem, 2018, 5, 2387-2394.	3.4	17
102	Low-temperature synthesis of two-dimensional nanostructured Co3O4 and improved electrochemical properties for lithium-ion batteries. Powder Technology, 2017, 309, 22-30.	4.2	16
103	Fast Preparation of LiFePO₄ Nanoparticles for Lithium Batteries by Microwave-Assisted Hydrothermal Method. Journal of Nanoscience and Nanotechnology, 2010, 10, 980-986.	0.9	15
104	The effect of passivation film in preparation 3D structural carbon paper/tin oxide@carbon as freestanding anode for lithium-ion batteries. Applied Surface Science, 2018, 435, 1307-1313.	6.1	15
105	Synthesis of sandwich-like Co(CO3)0.5(OH)/graphene composite through confined growth and self-assemblies for highly reversible lithium storage. Journal of Alloys and Compounds, 2018, 764, 709-717.	5.5	15
106	Porous tin film synthesized by electrodeposition and the electrochemical performance for lithium-ion batteries. Electrochimica Acta, 2014, 149, 330-336.	5.2	14
107	Synthesis and characterization of nanoflaky maghemite (Î³-Fe2O3) as a versatile anode for Li-ion batteries. Ceramics International, 2019, 45, 131-136.	4.8	14
108	Improved rate and cyclic performance of potassium-doped nickel-rich ternary cathode material for lithium-ion batteries. Journal of Materials Science, 2021, 56, 2399-2411.	3.7	14

#	Article	IF	Citations
109	Electronic structure of oligoaniline doped by inorganic and organic acids. International Journal of Quantum Chemistry, 2008, 108, 1155-1163.	2.0	13
110	Synthesis and characterization of 0.95LiMn 0.95 Fe 0.05 PO 4 Â·0.05Li 3 V 2 (PO 4) 3 nanocomposite by solâ€“gel method. Journal of Power Sources, 2015, 287, 316-322.	7.8	13
111	Freeze-drying preparation of MnOx/graphene nanocomposite as anode material for highly reversible lithium storage. Journal of Materials Science, 2020, 55, 5545-5553.	3.7	12
112	Sheath/Core Hybrid FeCO₃/Carbon Nanofibers as Anode Materials for Superior Cycling Stability and Rate Performance. ChemElectroChem, 2017, 4, 1450-1456.	3.4	11
113	Enhanced electrochemical performance of Î±-Fe2O3 grains grafted onto TiO2-Carbon nanofibers via a Vapor-Solid reaction as anode materials for Li-Ion batteries. Applied Surface Science, 2019, 463, 322-330.	6.1	11
114	Amorphous Li2ZrO3 nanoparticles coating Li[Li0Â·17Mn0Â·58Ni0.25]O2 cathode material for enhanced rate and cyclic performance in lithium ion storage. Materials Chemistry and Physics, 2020, 255, 123593.	4.0	11
115	Carbon nanofiber activated by molybdenum disulfide as an effective binderâ€free composite anode for highly reversible lithium storage. International Journal of Energy Research, 2020, 44, 4605-4615.	4.5	11
116	Large-scale preparation of crinkly NiO layers as anode materials for lithium-ion batteries. Ceramics International, 2016, 42, 3479-3484.	4.8	10
117	Effect of ball milling conditions on microstructure and lithium storage properties of LiNi0.5Mn1.5O4 as cathode for lithium-ion batteries. Materials Research Bulletin, 2018, 99, 436-443.	5.2	10
118	Synthesis and structural properties of xLi2MnO3â‹…(1-x)LiNi0.5Mn0.5O2 single crystals towards enhancing reversibility for lithium-ion battery/pouch cells. Journal of Alloys and Compounds, 2019, 770, 490-499.	5.5	10
119	Synthesis of Li1.147K0.026Mn0.582Ni0.25O2 cathode material with high rate cyclic performance and the application to lithium-ion full cells. Journal of Alloys and Compounds, 2019, 787, 700-710.	5.5	10
120	Preparation and electrochemical studies of layered PANI/HNb₃O₈ nanocomposite. Journal of Applied Polymer Science, 2009, 113, 78-86.	2.6	9
121	Co-precipitation synthesis and electrochemical properties of CrNbO4 anode materials for lithium-ion batteries. Materials Letters, 2017, 196, 335-338.	2.6	9
122	Carbon coated SnO 2 particles stabilized in the elastic network of carbon nanofibers and its improved electrochemical properties. Materials Chemistry and Physics, 2018, 215, 285-292.	4.0	9
123	Preparation and characterization of spinel-layered mixed structural 0.2LiNi0.5Mn1.5O4Â·0.8Li[Li0.2Ni0.2Mn0.6]O2 as cathode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 801, 254-261.	5.5	9
124	Preparation of hierarchical hexagonal nanoplates NiO composite with microcrystalline graphite for highly reversible lithium storage. Journal of Alloys and Compounds, 2020, 815, 152333.	5.5	9
125	Flux preparation of <scp> LiNi ₀ </scp> _. <scp> ₆ Co ₀ </scp> _. <scp> ₂ Mn ₀ </scp> _. <scp> ₂ O ₂ </scp>. International Journal of Energy Research, 2020, 44, 8532-8541.	4.5	9
126	Study of carbonization behavior of polyacrylonitrile/tin salt as anode material for lithiumâ€ion batteries. Journal of Applied Polymer Science, 2016, 133, .	2.6	8

#	Article	IF	Citations
127	Synthesis of heterostructure Sn|SnO2 submicron particles supported by carbon fibers as binder-free anodes for highly reversible lithium storage. Journal of Alloys and Compounds, 2018, 750, 220-227.	5.5	8
128	Mechanochemical process on layered compounds MoO3 and graphite to construct heterostructure composites with efficient lithium storage performance. Materials Chemistry and Physics, 2021, 267, 124646.	4.0	8
129	Crystal Structure and Electrochemical Performances of Proton-Substituted Li2MnO3 and the Nanocomposites Treated by LiMnO2. Journal of the Electrochemical Society, 2011, 158, A1071.	2.9	7
130	Crystal Growth Behavior of LiFePO₄ in Microwave-Assisted Hydrothermal Condition: From Nanoparticle to Nanosheet. Journal of Nanoscience and Nanotechnology, 2011, 11, 4781-4792.	0.9	7
131	Preparation of 0.4Li₂MnO₃Â·0.6LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ with tunable morphologies via polyacrylonitrile as a template and applications in lithiumâ€ion batteries. Journal of Applied Polymer Science, 2016, 133, .	2.6	7
132	Carbon Nanorodâ^'MoS₂ Coreâ^'Sheath Heterostructure and Its Electrochemical Properties over Various Electrochemical Windows. ChemElectroChem, 2018, 5, 1288-1296.	3.4	7
133	Preparation and characterization of Li1.167-K Mn0.583Ni0Â·25O2 (x=0, 0.025, 0.05 and 0.075) as cathode materials for highly reversible lithium-ion batteries. Electrochimica Acta, 2020, 341, 136014.	5.2	7
134	Microemulsion Concentration in Preparation of LiMn₂O₄ Submicron Spherical Particles as Cathode Materials for Highly Reversible Lithiumâ€ion Batteries. ChemElectroChem, 2017, 4, 3204-3211.	3.4	6
135	Microstructure and electrochemical properties of advanced Li-rich manganese based cathode material synthesized by self-propagating method. Materials Research Bulletin, 2017, 86, 113-118.	5.2	5
136	Characterization of Fe₂O₃/Graphene Composites Synthesized using an Inâ€…Situ Reaction of Inexpensive Graphite Oxide and FeCl₃. ChemElectroChem, 2020, 7, 5013-5020.	3.4	5
137	Preparation and characterization of the Li_{1.12}K_{0.05}Mn_{0.57}Ni_{0.24}Nb_{0.02}O₂ cathode material with highly improved rate cycling performance for lithium ion batteries. Nanoscale, 2021, 14, 65-75.	5.6	5
138	Single-side functionalized graphene as promising cathode catalysts in nonaqueous lithiumâ€“oxygen batteries. Nanoscale, 2021, 13, 12727-12737.	5.6	4
139	Real-Time Monitoring on the Adsorption Process of Salicylic Acid onto Chitosan Membrane Using Dielectric Spectroscopy: Macroscale Concentration Polarization and Dynamics. Journal of Physical Chemistry B, 2013, 117, 3337-3344.	2.6	3
140	Preparation and Improved Electrochemical Performance of Li[Li_(1/3â€“<I>x</I>/3)Cr_{<I>x</I>}Mn<SUB>(2/3â€“2<I&gt Nanoparticles Quenched in Iced Water. Journal of Nanoscience and Nanotechnology, 2013, 13, 6617-6626.	0.9	3
141	<I>In-Situ</I> Controllable Synthesis of Ag Nanoparticles: Irradiation Induced Surface Segregation of Ag₂V₄O₁₁ Nanobelt. Journal of Nanoscience and Nanotechnology, 2009, 9, 6554-6559.	0.9	1
142	A Novel Blending Adhesive in the Fabrication of the Composite Cathode for Lithiumâ€ion Batteries. ChemElectroChem, 2017, 4, 2709-2716.	3.4	1
143	In-situ measurement with fiber Bragg sensors in lithium batteries for safety usage. , 2013, , .		0