

Gang Yang

List of Publications by Year in descending order

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143
papers

6,121
citations

53660

45
h-index

85405

71
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all docs

143
docs citations

143
times ranked

7402
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Surface modification and in situ carbon intercalation of two-dimensional niobium carbide as promising electrode materials for potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 431, 133838. | 6.6 | 19 |
| 2 | Enhanced Zn ²⁺ transfer dynamics via a 3D bird nest-like VO ₂ /MXene heterojunction for ultrahigh-rate aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2022, 520, 230872. | 4.0 | 28 |
| 3 | Designing S-scheme Au/g-C ₃ N ₄ /BiO _{1.2} O ₆ plasmonic heterojunction for efficient visible-light photocatalysis. <i>Separation and Purification Technology</i> , 2022, 287, 120531. | 3.9 | 38 |
| 4 | Photocatalytic reduction of CO ₂ and degradation of Bisphenol-S by g-C ₃ N ₄ /Cu ₂ O@Cu S-scheme heterojunction: Study on the photocatalytic performance and mechanism insight. <i>Carbon</i> , 2022, 193, 272-284. | 5.4 | 51 |
| 5 | Integration of plasmonic effect and S-scheme heterojunction into gold decorated carbon nitride/cuprous oxide catalyst for photocatalysis. <i>Journal of Cleaner Production</i> , 2022, 360, 131948. | 4.6 | 29 |
| 6 | Improved rate and cyclic performance of potassium-doped nickel-rich ternary cathode material for lithium-ion batteries. <i>Journal of Materials Science</i> , 2021, 56, 2399-2411. | 1.7 | 14 |
| 7 | Single-side functionalized graphene as promising cathode catalysts in nonaqueous lithium-oxygen batteries. <i>Nanoscale</i> , 2021, 13, 12727-12737. | 2.8 | 4 |
| 8 | A novel Au/g-C ₃ N ₄ nanosheets/CeO ₂ hollow nanospheres plasmonic heterojunction photocatalysts for the photocatalytic reduction of hexavalent chromium and oxidation of oxytetracycline hydrochloride. <i>Chemical Engineering Journal</i> , 2021, 409, 128185. | 6.6 | 74 |
| 9 | Mechanochemical process on layered compounds MoO ₃ and graphite to construct heterostructure composites with efficient lithium storage performance. <i>Materials Chemistry and Physics</i> , 2021, 267, 124646. | 2.0 | 8 |
| 10 | Super-hydrophilic microporous biochar from biowaste for supercapacitor application. <i>Applied Surface Science</i> , 2021, 561, 150076. | 3.1 | 29 |
| 11 | The effect of Ni oxidation state on the crystal structure and electrochemical properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode material for highly reversible lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160642. | 2.8 | 21 |
| 12 | Preparation and characterization of the Li _{1.12} K _{0.05} Mn _{0.57} Ni _{0.24} Nb _{0.02} O ₂ cathode material with highly improved rate cycling performance for lithium ion batteries. <i>Nanoscale</i> , 2021, 14, 65-75. | 2.8 | 5 |
| 13 | Heterostructural composite of few-layered MoS ₂ /hexagonal MoO ₂ particles/graphene as anode material for highly reversible lithium/sodium storage. <i>International Journal of Energy Research</i> , 2020, 44, 518-527. | 2.2 | 29 |
| 14 | Preparation of hierarchical hexagonal nanoplates NiO composite with microcrystalline graphite for highly reversible lithium storage. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152333. | 2.8 | 9 |
| 15 | Electronic Structure Regulation of Layered Vanadium Oxide via Interlayer Doping Strategy toward Superior High-Rate and Low-Temperature Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1907684. | 7.8 | 259 |
| 16 | Molten salt-assisted regeneration and characterization of submicron-sized LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ crystals from spent lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156591. | 2.8 | 24 |
| 17 | Amorphous Li ₂ ZrO ₃ nanoparticles coating Li[Li _{0.17} Mn _{0.58} Ni _{0.25}]O ₂ cathode material for enhanced rate and cyclic performance in lithium ion storage. <i>Materials Chemistry and Physics</i> , 2020, 255, 123593. | 2.0 | 11 |
| 18 | An organic cathode with tailored working potential for aqueous Zn-ion batteries. <i>Chemical Communications</i> , 2020, 56, 11859-11862. | 2.2 | 54 |

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|----|--|-----|-----------|
| 19 | Flux preparation of $\text{LiNi}_2\text{Mn}_2\text{O}_6$ Co O_2 Mn_2O_7 O_2 . International Journal of Energy Research, 2020, 44, 8532-8541. | 2.2 | 9 |
| 20 | A review on structuralized current collectors for high-performance lithium-ion battery anodes. Applied Energy, 2020, 276, 115464. | 5.1 | 47 |
| 21 | Carbon nanofiber activated by molybdenum disulfide as an effective binder-free composite anode for highly reversible lithium storage. International Journal of Energy Research, 2020, 44, 4605-4615. | 2.2 | 11 |
| 22 | Freeze-drying preparation of MnOx /graphene nanocomposite as anode material for highly reversible lithium storage. Journal of Materials Science, 2020, 55, 5545-5553. | 1.7 | 12 |
| 23 | Preparation and characterization of $\text{Li}_{1.167-x}\text{Mn}_{0.583}\text{Ni}_{0.25}\text{O}_2$ ($x=0, 0.025, 0.05$ and 0.075) as cathode materials for highly reversible lithium-ion batteries. Electrochimica Acta, 2020, 341, 136014. | 2.6 | 7 |
| 24 | Characterization of Fe_2O_3 /Graphene Composites Synthesized using an In-situ Reaction of Inexpensive Graphite Oxide and FeCl_3 . ChemElectroChem, 2020, 7, 5013-5020. | 1.7 | 5 |
| 25 | Enhanced electrochemical performance of $\gamma\text{-Fe}_2\text{O}_3$ grains grafted onto TiO_2 -Carbon nanofibers via a Vapor-Solid reaction as anode materials for Li-Ion batteries. Applied Surface Science, 2019, 463, 322-330. | 3.1 | 11 |
| 26 | Synthesis and structural properties of $x\text{Li}_2\text{MnO}_3 \cdot (1-x)\text{LiNi}_0.5\text{Mn}_0.5\text{O}_2$ single crystals towards enhancing reversibility for lithium-ion battery/pouch cells. Journal of Alloys and Compounds, 2019, 770, 490-499. | 2.8 | 10 |
| 27 | Preparation and characterization of spinel-layered mixed structural $0.2\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4 \cdot 0.8\text{Li}[\text{Li}_0.2\text{Ni}_0.2\text{Mn}_0.6]\text{O}_2$ as cathode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 801, 254-261. | 2.8 | 9 |
| 28 | Highly active free-standing and flexible MoS_2 /rGO sandwich-structured films for supercapacitor applications. Solid State Communications, 2019, 297, 45-49. | 0.9 | 37 |
| 29 | 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. | 2.8 | 27 |
| 30 | Assembly of AgI nanoparticles and ultrathin g-C $_3$ N $_4$ nanosheets codecorated Bi_2WO_6 direct dual Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced photocatalytic performance. Chemical Engineering Journal, 2019, 373, 1144-1157. | 6.6 | 199 |
| 31 | Synthesis of $\text{Li}_{1.147}\text{K}_{0.026}\text{Mn}_{0.582}\text{Ni}_{0.25}\text{O}_2$ cathode material with high rate cyclic performance and the application to lithium-ion full cells. Journal of Alloys and Compounds, 2019, 787, 700-710. | 2.8 | 10 |
| 32 | The composite of carbon nanotube connecting SnO_2 /reduced graphene clusters as highly reversible anode material for lithium-/sodium-ion batteries and full cell. Composites Part B: Engineering, 2019, 169, 109-117. | 5.9 | 38 |
| 33 | Synthesis and characterization of nanoflaky maghemite ($\gamma\text{-Fe}_2\text{O}_3$) as a versatile anode for Li-ion batteries. Ceramics International, 2019, 45, 131-136. | 2.3 | 14 |
| 34 | 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. | 4.0 | 25 |
| 35 | Synthesis of micron-sized $\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4$ single crystals through in situ microemulsion/coprecipitation and characterization of their electrochemical capabilities. Powder Technology, 2019, 343, 445-453. | 2.1 | 31 |
| 36 | Directly scalable preparation of sandwiched MoS_2 /graphene nanocomposites via ball-milling with excellent electrochemical energy storage performance. Electrochimica Acta, 2019, 299, 143-151. | 2.6 | 55 |

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|----|--|-----|-----------|
| 37 | Carbon Nanorod@MoS ₂ Core@Sheath Heterostructure and Its Electrochemical Properties over Various Electrochemical Windows. ChemElectroChem, 2018, 5, 1288-1296. | 1.7 | 7 |
| 38 | Synergetic interface between NiO/Ni ₃ S ₂ nanosheets and carbon nanofiber as binder-free anode for highly reversible lithium storage. Applied Surface Science, 2018, 441, 232-238. | 3.1 | 22 |
| 39 | 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. | 3.1 | 15 |
| 40 | Synthesis of wolframite FeNbO ₄ nanorods as a novel anode material for improved lithium storage capability. Journal of Alloys and Compounds, 2018, 740, 7-15. | 2.8 | 18 |
| 41 | Synthesis of MnNb ₂ O ₆ with hierarchical structure as a novel electrode material for high-performance supercapacitors. Journal of Alloys and Compounds, 2018, 750, 428-435. | 2.8 | 27 |
| 42 | CoCO ₃ 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. | 2.6 | 21 |
| 43 | Effect of ball milling conditions on microstructure and lithium storage properties of LiNi _{0.5} Mn _{1.5} O ₄ as cathode for lithium-ion batteries. Materials Research Bulletin, 2018, 99, 436-443. | 2.7 | 10 |
| 44 | 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. | 2.0 | 9 |
| 45 | Synthesis of sandwich-like Co(CO ₃) _{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. | 2.8 | 15 |
| 46 | Rapid microwave-hydrothermal preparation of few-layer MoS ₂ /C nanocomposite as anode for highly reversible lithium storage properties. Journal of Materials Science, 2018, 53, 14548-14558. | 1.7 | 27 |
| 47 | Synthesis of heterostructure Sn SnO ₂ submicron particles supported by carbon fibers as binder-free anodes for highly reversible lithium storage. Journal of Alloys and Compounds, 2018, 750, 220-227. | 2.8 | 8 |
| 48 | Freeze-Drying-Assisted Synthesis of Porous SnO ₂ /rGO Xerogels as Anode Materials for Highly Reversible Lithium/Sodium Storage. ChemElectroChem, 2018, 5, 2387-2394. | 1.7 | 17 |
| 49 | Efficient construction of a CoCO ₃ /graphene composite anode material for lithium-ion batteries by stirring solvothermal reaction. Ceramics International, 2018, 44, 3718-3725. | 2.3 | 21 |
| 50 | 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. | 3.1 | 26 |
| 51 | Sheath/Core Hybrid FeCO ₃ /Carbon Nanofibers as Anode Materials for Superior Cycling Stability and Rate Performance. ChemElectroChem, 2017, 4, 1450-1456. | 1.7 | 11 |
| 52 | Preparation and Electrochemical Properties of High-Voltage Spinel LiNi _{0.5} Mn _{1.5} O ₄ Synthesized by using Different Manganese Sources. ChemElectroChem, 2017, 4, 1205-1213. | 1.7 | 23 |
| 53 | An active core-shell nanoscale design for high voltage cathode of lithium storage devices. Journal of Power Sources, 2017, 360, 409-418. | 4.0 | 21 |
| 54 | Co-precipitation synthesis and electrochemical properties of CrNbO ₄ anode materials for lithium-ion batteries. Materials Letters, 2017, 196, 335-338. | 1.3 | 9 |

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|----|---|-----|-----------|
| 55 | 2D Film of Carbon Nanofibers Elastically Astricted MnO Microparticles: A Flexible Binder-Free Anode for Highly Reversible Lithium Ion Storage. <i>Small</i> , 2017, 13, 1604182. | 5.2 | 38 |
| 56 | A novel LiCoPO ₄ -coated core-shell structure for spinel LiNi _{0.5} Mn _{1.5} O ₄ as a high-performance cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 996-1004. | 5.2 | 58 |
| 57 | Cyanometallic frameworks derived hierarchical porous Fe ₂ O ₃ /NiO microflowers with excellent lithium-storage property. <i>Journal of Alloys and Compounds</i> , 2017, 698, 469-475. | 2.8 | 26 |
| 58 | Low-temperature synthesis of two-dimensional nanostructured Co ₃ O ₄ and improved electrochemical properties for lithium-ion batteries. <i>Powder Technology</i> , 2017, 309, 22-30. | 2.1 | 16 |
| 59 | Rapid Microwave Synthesis of Self-Assembled Hierarchical Mn ₂ O ₃ Microspheres as Advanced Anode Material for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2017, 224, 285-294. | 2.6 | 35 |
| 60 | Microemulsion Concentration in Preparation of LiMn ₂ O ₄ Submicron Spherical Particles as Cathode Materials for Highly Reversible Lithium-ion Batteries. <i>ChemElectroChem</i> , 2017, 4, 3204-3211. | 1.7 | 6 |
| 61 | Enhanced electrochemical performance of LiMn ₂ O ₄ by constructing a stable Mn ²⁺ -rich interface. <i>Applied Surface Science</i> , 2017, 426, 19-28. | 3.1 | 25 |
| 62 | A Novel Blending Adhesive in the Fabrication of the Composite Cathode for Lithium-ion Batteries. <i>ChemElectroChem</i> , 2017, 4, 2709-2716. | 1.7 | 1 |
| 63 | A facile strategy to construct binder-free flexible carbonate composite anode at low temperature with high performances for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 246, 1004-1015. | 2.6 | 18 |
| 64 | Fast facile synthesis of SnO ₂ /Graphene composite assisted by microwave as anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 246, 1104-1111. | 2.6 | 52 |
| 65 | Full microwave synthesis of advanced Li-rich manganese based cathode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2017, 337, 82-91. | 4.0 | 84 |
| 66 | Microstructure and electrochemical properties of advanced Li-rich manganese based cathode material synthesized by self-propagating method. <i>Materials Research Bulletin</i> , 2017, 86, 113-118. | 2.7 | 5 |
| 67 | Study of carbonization behavior of polyacrylonitrile/tin salt as anode material for lithium-ion batteries. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 1.3 | 8 |
| 68 | In-situ assembly of three-dimensional MoS ₂ nanoleaves/carbon nanofiber composites derived from bacterial cellulose as flexible and binder-free anodes for enhanced lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 211, 404-410. | 2.6 | 60 |
| 69 | The role of stable interface in nano-sized FeNbO ₄ as anode electrode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 203, 206-212. | 2.6 | 24 |
| 70 | Rapid Self-Assembly Spherical Li _{1.2} Mn _{0.56} Ni _{0.16} Co _{0.08} O ₂ with Improved Performances by Microwave Hydrothermal Method as Cathode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11476-11487. | 4.0 | 82 |
| 71 | A novel approach for sulfur-doped hierarchically porous carbon with excellent capacitance for electrochemical energy storage. <i>Chemical Communications</i> , 2016, 52, 12725-12728. | 2.2 | 49 |
| 72 | A novel PVdF-based composite gel polymer electrolyte doped with ionomer modified graphene oxide. <i>RSC Advances</i> , 2016, 6, 97338-97345. | 1.7 | 19 |

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|----|--|-----|-----------|
| 73 | Study of Microstructure Change of Carbon Nanofibers as Binder-Free Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33091-33101. | 4.0 | 43 |
| 74 | Preparation of $0.4\text{Li}_{2/3}\text{MnO}_3 \cdot 0.6\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ with tunable morphologies via polyacrylonitrile as a template and applications in lithium-ion batteries. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 1.3 | 7 |
| 75 | Li_2ZrO_3 -coated $\text{Li}_4\text{Ti}_5\text{O}_{12}$ with nanoscale interface for high performance lithium-ion batteries. <i>Applied Surface Science</i> , 2016, 368, 56-62. | 3.1 | 25 |
| 76 | The preparation and role of Li_2ZrO_3 surface coating $\text{LiNi}_0.5\text{Co}_0.2\text{Mn}_0.3\text{O}_2$ as cathode for lithium-ion batteries. <i>Applied Surface Science</i> , 2016, 361, 150-156. | 3.1 | 51 |
| 77 | Large-scale preparation of crinkly NiO layers as anode materials for lithium-ion batteries. <i>Ceramics International</i> , 2016, 42, 3479-3484. | 2.3 | 10 |
| 78 | Design and self-assembly of metal-organic framework-derived porous Co_3O_4 hierarchical structures for lithium-ion batteries. <i>Ceramics International</i> , 2016, 42, 5160-5170. | 2.3 | 49 |
| 79 | Ultrahigh Voltage Synthesis of 2D Amorphous Nickel-Cobalt Hydroxide Nanosheets on CFP for High Performance Energy Storage Device. <i>Electrochimica Acta</i> , 2016, 190, 695-702. | 2.6 | 46 |
| 80 | Porous Hybrid Composites of Few-Layer MoS_2 Nanosheets Embedded in a Carbon Matrix with an Excellent Supercapacitor Electrode Performance. <i>Small</i> , 2015, 11, 6480-6490. | 5.2 | 106 |
| 81 | In Situ Preparation of Sandwich MoO_3/C Hybrid Nanostructures for High-Rate and Ultralong-Life Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 1886-1894. | 7.8 | 116 |
| 82 | Bicontinuous Structure of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ Clustered via Carbon Nanofiber as High-Performance Cathode Material of Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13934-13943. | 4.0 | 53 |
| 83 | Preparation and characterization of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ grown on carbon nanofiber as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 176, 1358-1363. | 2.6 | 23 |
| 84 | Synthesis and characterization of $0.95\text{LiMn}_0.95\text{Fe}_0.05\text{PO}_4 \cdot 0.05\text{Li}_3\text{V}_2(\text{PO}_4)_3$ nanocomposite by sol-gel method. <i>Journal of Power Sources</i> , 2015, 287, 316-322. | 4.0 | 13 |
| 85 | Hybrid gel polymer electrolyte fabricated by electrospinning technology for polymer lithium-ion battery. <i>European Polymer Journal</i> , 2015, 67, 365-372. | 2.6 | 51 |
| 86 | Study the effect of ion-complex on the properties of composite gel polymer electrolyte based on Electrospun PVdF nanofibrous membrane. <i>Electrochimica Acta</i> , 2015, 151, 289-296. | 2.6 | 73 |
| 87 | Li_2ZrO_3 coated $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ for high performance cathode material in lithium batteries. <i>Electrochimica Acta</i> , 2014, 119, 236-242. | 2.6 | 45 |
| 88 | Li_2ZrO_3 -coated $0.4\text{Li}_2\text{MnO}_3 \cdot 0.6\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ for high performance cathode material in lithium-ion battery. <i>Journal of Power Sources</i> , 2014, 264, 147-154. | 4.0 | 93 |
| 89 | Preparation and electrochemical properties of $\text{Li}_3\text{V}_1.8\text{Mn}_0.2(\text{PO}_4)_3$ doped via different Mn sources. <i>Journal of Power Sources</i> , 2014, 261, 188-197. | 4.0 | 36 |
| 90 | Porous tin film synthesized by electrodeposition and the electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 149, 330-336. | 2.6 | 14 |

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|-----|---|-----|-----------|
| 91 | On the theory of high rate capability of LiMn ₂ O ₄ with some preferred orientations: insights from the crystal shape algorithm. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2553. | 1.3 | 17 |
| 92 | In situ preparation of SnO ₂ @polyaniline nanocomposites and their synergetic structure for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8334. | 5.2 | 83 |
| 93 | Co ₃ O ₄ nanostructures with a high rate performance as anode materials for lithium-ion batteries, prepared via book-like cobalt-organic frameworks. <i>CrystEngComm</i> , 2014, 16, 10227-10234. | 1.3 | 40 |
| 94 | Enhanced high-rate electrochemical performance of Li ₃ V _{1.8} Mn _{0.2} (PO ₄) ₃ by atomic doping of Mn(III). <i>Electrochimica Acta</i> , 2014, 125, 338-346. | 2.6 | 21 |
| 95 | Effects of Microwave-Hydrothermal Conditions on the Purity and Electrochemical Performance of Orthorhombic LiMnO ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 359-366. | 3.2 | 21 |
| 96 | Preparation of Si/Sn-Based Nanoparticles Compositated with Carbon Fibers and Improved Electrochemical Performance as Anode Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2310-2317. | 3.2 | 30 |
| 97 | Optimal microwave-assisted hydrothermal synthesis of nanosized x Li ₂ MnO ₃ (1 Å ×)LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode materials for lithium ion battery. <i>Journal of Power Sources</i> , 2014, 247, 219-227. | 4.0 | 57 |
| 98 | Ultrasonic-assisted synthesis of amorphous Fe ₃ O ₄ with a high specific surface area and improved capacitance for supercapacitor. <i>Powder Technology</i> , 2014, 256, 499-505. | 2.1 | 47 |
| 99 | Preparation of hybrid polymer based on polyurethane lithium salt and polyvinylidene fluoride as electrolyte for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 136, 513-520. | 2.6 | 22 |
| 100 | Improved lithium storage properties of electrospun TiO ₂ with tunable morphology: from porous anatase to necklace rutile. <i>Nanoscale</i> , 2013, 5, 10267. | 2.8 | 26 |
| 101 | Large-scale preparation of shape controlled SnO and improved capacitance for supercapacitors: from nanoclusters to square microplates. <i>Nanoscale</i> , 2013, 5, 7613. | 2.8 | 28 |
| 102 | Polypyrrole doped with redox-active poly(2-methoxyaniline-5-sulfonic acid) for lithium secondary batteries. <i>RSC Advances</i> , 2013, 3, 5447. | 1.7 | 27 |
| 103 | Real-time temperature measurement with fiber Bragg sensors in lithium batteries for safety usage. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 3166-3172. | 2.5 | 85 |
| 104 | PVDF-based composite microporous gel polymer electrolytes containing a novel single ionic conductor SiO ₂ (Li ⁺). <i>Electrochimica Acta</i> , 2013, 112, 183-190. | 2.6 | 51 |
| 105 | Microwave-assisted hydrothermal synthesis of sphere-like C/CuO and CuO nanocrystals and improved performance as anode materials for lithium-ion batteries. <i>Powder Technology</i> , 2013, 241, 43-48. | 2.1 | 17 |
| 106 | Real-Time Monitoring on the Adsorption Process of Salicylic Acid onto Chitosan Membrane Using Dielectric Spectroscopy: Macroscale Concentration Polarization and Dynamics. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3337-3344. | 1.2 | 3 |
| 107 | Microwave rapid preparation of LiNi _{0.5} Mn _{1.5} O ₄ and the improved high rate performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 100, 125-132. | 2.6 | 55 |
| 108 | Preparation of Fe ₃ O ₄ with high specific surface area and improved capacitance as a supercapacitor. <i>Nanoscale</i> , 2013, 5, 3793. | 2.8 | 280 |

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|-----|---|-----|-----------|
| 109 | Composite structure and properties of Mn ₃ O ₄ /graphene oxide and Mn ₃ O ₄ /graphene. Journal of Materials Chemistry A, 2013, , . | 5.2 | 22 |
| 110 | Preparation of Mn ₃ O ₄ nanoparticles at room condition for supercapacitor application. Powder Technology, 2013, 235, 76-81. | 2.1 | 43 |
| 111 | Preparation and Improved Electrochemical Performance of Li _{1/3} Cr _{1/3} Mn _{2/3} O ₂ Nanoparticles Quenched in Iced Water. Journal of Nanoscience and Nanotechnology, 2013, 13, 6617-6626. | 0.9 | 5 |
| 112 | In-situ measurement with fiber Bragg sensors in lithium batteries for safety usage. , 2013, , . | | 0 |
| 113 | Improved High Rate Capacity and Lithium Diffusion Ability of Li _{1/3} Co _{1/3} Mn _{2/3} O ₂ with Ordered Crystal Structure. Journal of the Electrochemical Society, 2012, 159, A506-A513. | 1.3 | 61 |
| 114 | Kinetics of conventional carbon coated-Li ₃ V ₂ (PO ₄) ₃ and nanocomposite Li ₃ V ₂ (PO ₄) ₃ /graphene as cathode materials for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 11039. | 6.7 | 117 |
| 115 | Influence of Mn content on the morphology and improved electrochemical properties of Mn ₃ O ₄ MnO@carbon nanofiber as anode material for lithium batteries. Journal of Power Sources, 2012, 216, 353-362. | 4.0 | 53 |
| 116 | Lithium diffusion behavior and improved high rate capacity of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ as cathode material for lithium batteries. Solid State Ionics, 2012, 207, 50-56. | 1.3 | 57 |
| 117 | Crystal Structure and Electrochemical Performances of Proton-Substituted Li ₂ MnO ₃ and the Nanocomposites Treated by LiMnO ₂ . Journal of the Electrochemical Society, 2011, 158, A1071. | 1.3 | 7 |
| 118 | Li ₃ V ₂ (PO ₄) ₃ /graphene nanocomposites as cathode material for lithium ion batteries. Chemical Communications, 2011, 47, 9110. | 2.2 | 194 |
| 119 | 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. | 2.6 | 51 |
| 120 | General synthesis and morphology control of LiMnPO ₄ nanocrystals via microwave-hydrothermal route. Electrochimica Acta, 2011, 56, 3093-3100. | 2.6 | 46 |
| 121 | The doping effect on the crystal structure and electrochemical properties of LiMn _{1-x} Mg _x PO ₄ (M=Mg.) Tj ETQq1 1 0.784314 rgBT /OV | 4.0 | 141 |
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