# Dawei Su

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 138 papers | 13,892 citations | 19655 61 h-index | 20358 116 g-index |
| 145 all docs | 145 docs citations | 145 times ranked | 15226 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | TPE based aggregation induced emission fluorescent sensors for viscosity of liquid and mechanical properties of hydrogel. Chinese Chemical Letters, 2022, 33, 252-256. | 9.0 | 16 |
| 2 | Development of Smallâ€Scale Monitoring and Modeling Strategies for Safe Lithiumâ€Ion Batteries. Batteries and Supercaps, 2022, 5, . | 4.7 | 8 |
| 3 | Powerful qua-functional electrolyte additive for lithium metal batteries. Green Energy and Environment, 2022, 7, 361-364. | 8.7 | 5 |
| 4 | Toxicity assessments and transcriptional effects of monofunctionalized Pt(II) complex under dark and light irradiation condition in Caenorhabditis elegans. Journal of Inorganic Biochemistry, 2022, 230, 111720. | 3.5 | 2 |
| 5 | Construction of a 2D Layered Phosphorusâ€doped Graphitic Carbon Nitride/BiOBr Heterojunction for Highly Efficient Photocatalytic Disinfection. Chemistry - an Asian Journal, 2022, 17, . | 3.3 | 8 |
| 6 | Graphitic Carbon Nitrideâ€Based Photocatalysts for Biological Applications. Advanced Sustainable Systems, 2022, 6, . | 5.3 | 7 |
| 7 | Energetic Aqueous Batteries. Advanced Energy Materials, 2022, 12, . | 19.5 | 48 |
| 8 | Synthesis of functionalized nanoporous biocarbons with high surface area for CO<sub>2</sub> capture and supercapacitor applications. Green Chemistry, 2021, 23, 5571-5583. | 9.0 | 62 |
| 9 | The 2021 battery technology roadmap. Journal Physics D: Applied Physics, 2021, 54, 183001. | 2.8 | 158 |
| 10 | Nitrogen Doped Carbon Coated Bi Microspheres as Highâ€performance Anode for Half and Full Sodium Ion Batteries. Chemistry - an Asian Journal, 2021, 16, 2314-2320. | 3.3 | 19 |
| 11 | Advances in Lithiumâ€“Sulfur Batteries: From Academic Research to Commercial Viability. Advanced Materials, 2021, 33, e2003666. | 21.0 | 357 |
| 12 | Highly Efficient Adsorption of Bilirubin by Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene. Chemistry - an Asian Journal, 2021, 16, 1949-1955. | 3.3 | 19 |
| 13 | A novel conjugated heterotriangulene polymer for high performance organic lithium-ion battery. Dyes and Pigments, 2021, 191, 109352. | 3.7 | 1 |
| 14 | Pillar[5]areneâ€based â€œThreeâ€componentsâ€•Supramolecular Assembly and the Performance of Nitrobenzeneâ€based Explosive Fluorescence Sensing. ChemistrySelect, 2021, 6, 9363-9367. | 1.5 | 4 |
| 15 | Bismuth Nanoparticles Anchored on Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene Nanosheets for Highâ€Performance Sodiumâ€Ion Batteries. Chemistry - an Asian Journal, 2021, 16, 3774-3780. | 3.3 | 17 |
| 16 | A multifunctional polyimide nanofiber separator with a self-closing polyamideâ€“polyvinyl alcohol top layer with a Turing structure for high-performance lithiumâ€“sulfur batteries. Materials Advances, 2020, 1, 3449-3459. | 5.4 | 8 |
| 17 | Accelerating Redox Kinetics of Lithium-Sulfur Batteries. Trends in Chemistry, 2020, 2, 1020-1033. | 8.5 | 46 |
| 18 | Self-crosslinkable polyaniline with coordinated stabilized CoOOH nanosheets as a high-efficiency electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2020, 529, 147173. | 6.1 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Graphiticâ€Based Solidâ€State Supercapacitors: Enabling Redox Reaction by In Situ Electrochemical Treatment. Batteries and Supercaps, 2020, 3, 569-569. | 4.7 | 0 |
| 20 | Solid Electrolytes: A Garnetâ€Type Solidâ€Electrolyteâ€Based Molten Lithiumâ^'Molybdenumâ^'Iron(II) Chloride Battery with Advanced Reaction Mechanism (Adv. Mater. 32/2020). Advanced Materials, 2020, 32, 2070242. | 21.0 | 1 |
| 21 | Atomically dispersed Ni in cadmium-zinc sulfide quantum dots for high-performance visible-light photocatalytic hydrogen production. Science Advances, 2020, 6, eaaz8447. | 10.3 | 83 |
| 22 | Polyaniline engineering defect-induced nitrogen doped carbon-supported Co3O4 hybrid composite as a high-efficiency electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2020, 526, 146626. | 6.1 | 36 |
| 23 | A Garnetâ€Type Solidâ€Electrolyteâ€Based Molten Lithiumâ^'Molybdenumâ^'Iron(II) Chloride Battery with Advanced Reaction Mechanism. Advanced Materials, 2020, 32, e2000960. | 21.0 | 14 |
| 24 | Application of Photocatalytic Materials in Sensors. Advanced Materials Technologies, 2020, 5, 1900993. | 5.8 | 32 |
| 25 | A functional hyperbranched binder enabling ultra-stable sulfur cathode for high-performance lithium-sulfur battery. Journal of Energy Chemistry, 2020, 50, 63-72. | 12.9 | 31 |
| 26 | Biomimetic 3D Fe/CeO2 decorated N-doped carbon nanotubes architectures for high-performance lithium-sulfur batteries. Chemical Engineering Journal, 2020, 401, 126079. | 12.7 | 51 |
| 27 | A robust flame retardant fluorinated polyimide nanofiber separator for high-temperature lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2020, 8, 14788-14798. | 10.3 | 40 |
| 28 | Graphiticâ€Based Solidâ€State Supercapacitors: Enabling Redox Reaction by In Situ Electrochemical Treatment. Batteries and Supercaps, 2020, 3, 587-595. | 4.7 | 4 |
| 29 | Recent Advances in Rechargeable Magnesiumâ€Based Batteries for Highâ€Efficiency Energy Storage. Advanced Energy Materials, 2020, 10, 1903591. | 19.5 | 132 |
| 30 | Controllable design of nanoworm-like nickel sulfides for efficient electrochemical water splitting in alkaline media. Materials Today Energy, 2020, 18, 100573. | 4.7 | 25 |
| 31 | Propelling the polysulfide phase transformation of lithiumâ€“sulfur battery by VO2-rGO. Journal of Alloys and Compounds, 2019, 804, 549-553. | 5.5 | 15 |
| 32 | Photoelectrochemical determination of malathion by using CuO modified with a metal-organic framework of type Cu-BTC. Mikrochimica Acta, 2019, 186, 481. | 5.0 | 25 |
| 33 | Facile synthesis of Camellia oleifera shell-derived hard carbon as an anode material for lithium-ion batteries. RSC Advances, 2019, 9, 20424-20431. | 3.6 | 31 |
| 34 | A Hollowâ€Shell Structured V<sub>2</sub>O<sub>5</sub> Electrodeâ€Based Symmetric Full Liâ€Ion Battery with Highest Capacity. Advanced Energy Materials, 2019, 9, 1900909. | 19.5 | 51 |
| 35 | WO<sub>3</sub> nanolayer coated 3D-graphene/sulfur composites for high performance lithium/sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 4596-4603. | 10.3 | 47 |
| 36 | Strong charge polarization effect enabled by surface oxidized titanium nitride for lithium-sulfur batteries. Communications Chemistry, 2019, 2, . | 4.5 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | In-situ exfoliation of porous carbon nitride nanosheets for enhanced hydrogen evolution. Nano Energy, 2019, 59, 598-609. | 16.0 | 112 |
| 38 | Coâ€“Fe Mixed Metal Phosphide Nanocubes with Highly Interconnected-Pore Architecture as an Efficient Polysulfide Mediator for Lithiumâ€“Sulfur Batteries. ACS Nano, 2019, 13, 4731-4741. | 14.6 | 212 |
| 39 | The latest advances in the critical factors (positive electrode, electrolytes, separators) for sodium-sulfur battery. Journal of Alloys and Compounds, 2019, 792, 797-817. | 5.5 | 63 |
| 40 | Hollow CeO2 spheres conformally coated with graphitic carbon for high-performance supercapacitor electrodes. Applied Surface Science, 2019, 463, 244-252. | 6.1 | 63 |
| 41 | Hierarchical sodium-rich Prussian blue hollow nanospheres as high-performance cathode for sodium-ion batteries. Nano Research, 2018, 11, 3979-3990. | 10.4 | 90 |
| 42 | Nitrogen doped yolk-shell carbon spheres as cathode host for lithium-sulfur battery. Journal of Alloys and Compounds, 2018, 747, 283-292. | 5.5 | 23 |
| 43 | Toward High Performance Lithiumâ€“Sulfur Batteries Based on Li<sub>2</sub>S Cathodes and Beyond: Status, Challenges, and Perspectives. Advanced Functional Materials, 2018, 28, 1800154. | 14.9 | 107 |
| 44 | Iron-Doped NiCoP Porous Nanosheet Arrays as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. ACS Applied Energy Materials, 2018, 1, 571-579. | 5.1 | 99 |
| 45 | MOF-derived porous Nâ€“Co<sub>3</sub>O<sub>4</sub>@Nâ€“C nanododecahedra wrapped with reduced graphene oxide as a high capacity cathode for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 2797-2807. | 10.3 | 266 |
| 46 | Updated Metal Compounds (MOFs, ï£¿S, ï£¿OH, ï£¿N, ï£¿C) Used as Cathode Materials for Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1702607. | 19.5 | 202 |
| 47 | Pomegranateâ€Structured Silica/Sulfur Composite Cathodes for Highâ€Performance Lithiumâ€“Sulfur Batteries. Chemistry - an Asian Journal, 2018, 13, 568-576. | 3.3 | 5 |
| 48 | Self-standing sulfur cathodes enabled by 3D hierarchically porous titanium monoxide-graphene composite film for high-performance lithium-sulfur batteries. Nano Energy, 2018, 47, 331-339. | 16.0 | 106 |
| 49 | On-grid batteries for large-scale energy storage: Challenges and opportunities for policy and technology. MRS Energy & Sustainability, 2018, 5, 1. | 3.0 | 33 |
| 50 | Lithiumâ€Sulfur Batteries: Toward High Performance Lithiumâ€“Sulfur Batteries Based on Li<sub>2</sub>S Cathodes and Beyond: Status, Challenges, and Perspectives (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 14.9 | 18 |
| 51 | Controlling the adsorption behavior of hydrogen at the interface of polycrystalline CVD graphene. International Journal of Hydrogen Energy, 2018, 43, 18735-18744. | 7.1 | 7 |
| 52 | Electrode Materials for Sodium-Ion Batteries: Considerations on Crystal Structures and Sodium Storage Mechanisms. Electrochemical Energy Reviews, 2018, 1, 200-237. | 25.5 | 213 |
| 53 | Promoting lithium polysulfide/sulfide redox kinetics by the catalyzing of zinc sulfide for high performance lithium-sulfur battery. Nano Energy, 2018, 51, 73-82. | 16.0 | 350 |
| 54 | Recent developments of aprotic lithium-oxygen batteries: functional materials determine the electrochemical performance. Science Bulletin, 2017, 62, 442-452. | 9.0 | 54 |

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|---|---|---|---|
| 55 | Na<sub>2</sub>Ti<sub>3</sub>O<sub>7</sub>@Nâ€Doped Carbon Hollow Spheres for Sodiumâ€Ion Batteries with Excellent Rate Performance. Advanced Materials, 2017, 29, 1700989. | 21.0 | 275 |
| 56 | Lithiumâ€Sulfur Batteries: Fabrication of Nâ€doped Grapheneâ€“Carbon Nanotube Hybrids from Prussian Blue for Lithiumâ€“Sulfur Batteries (Adv. Energy Mater. 8/2017). Advanced Energy Materials, 2017, 7, . | 19.5 | 1 |
| 57 | Prussian Blue Nanocubes with an Open Framework Structure Coated with PEDOT as Highâ€Capacity Cathodes for Lithiumâ€“Sulfur Batteries. Advanced Materials, 2017, 29, 1700587. | 21.0 | 170 |
| 58 | Fabrication of Nâ€doped Grapheneâ€“Carbon Nanotube Hybrids from Prussian Blue for Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1602014. | 19.5 | 304 |
| 59 | Confined Sulfur in 3â€‰D MXene/Reduced Graphene Oxide Hybrid Nanosheets for Lithiumâ€“Sulfur Battery. Chemistry - A European Journal, 2017, 23, 12613-12619. | 3.3 | 167 |
| 60 | Co<sub>3</sub>O<sub>4</sub>-Carbon Cloth free standing cathode for lithium sulfur battery. IOP Conference Series: Materials Science and Engineering, 2017, 222, 012013. | 0.6 | 9 |
| 61 | Highâ€Capacity Aqueous Potassiumâ€Ion Batteries for Largeâ€Scale Energy Storage. Advanced Materials, 2017, 29, 1604007. | 21.0 | 494 |
| 62 | 3D Freeâ€Standing NiCo<sub>2</sub>O<sub>4</sub>@graphene Foam for Highâ€Performance Supercapacitors. Energy Technology, 2016, 4, 737-743. | 3.8 | 18 |
| 63 | Improved Electrochemical Performance of Naâ€Ion Batteries in Etherâ€Based Electrolytes: A Case Study of ZnS Nanospheres. Advanced Energy Materials, 2016, 6, 1501785. | 19.5 | 229 |
| 64 | Ruthenium nanocrystal decorated vertical graphene nanosheets@Ni foam as highly efficient cathode catalysts for lithium-oxygen batteries. NPG Asia Materials, 2016, 8, e286-e286. | 7.9 | 52 |
| 65 | A nitrogenâ€“sulfur co-doped porous graphene matrix as a sulfur immobilizer for high performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 17381-17393. | 10.3 | 133 |
| 66 | Immobilizing Polysulfides with MXene-Functionalized Separators for Stable Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 29427-29433. | 8.0 | 234 |
| 67 | 3D Metal Carbide@Mesoporous Carbon Hybrid Architecture as a New Polysulfide Reservoir for Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2016, 26, 8746-8756. | 14.9 | 210 |
| 68 | Rose flower-like NiCo2O4 with hierarchically porous structures for highly reversible lithium storage. Journal of Alloys and Compounds, 2016, 684, 691-698. | 5.5 | 45 |
| 69 | 3D hybridâ€“porous carbon derived from carbonization of metal organic frameworks for high performance supercapacitors. Journal of Power Sources, 2016, 325, 286-291. | 7.8 | 88 |
| 70 | Graphene-Co3O4 nanocomposite as electrocatalyst with high performance for oxygen evolution reaction. Scientific Reports, 2015, 5, 7629. | 3.3 | 234 |
| 71 | Bismuth: A new anode for the Na-ion battery. Nano Energy, 2015, 12, 88-95. | 16.0 | 251 |
| 72 | Single-Step, Plasma-Enabled Reforming of Natural Precursors into Vertical Graphene Electrodes with High Areal Capacitance. ACS Sustainable Chemistry and Engineering, 2015, 3, 544-551. | 6.7 | 34 |

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|---|---|---|---|
| 73 | Porous graphene wrapped CoO nanoparticles for highly efficient oxygen evolution. Journal of Materials Chemistry A, 2015, 3, 5402-5408. | 10.3 | 79 |
| 74 | A comparative investigation on the effects of nitrogen-doping into graphene on enhancing the electrochemical performance of SnO<sub>2</sub>/graphene for sodium-ion batteries. Nanoscale, 2015, 7, 3164-3172. | 5.6 | 130 |
| 75 | Gold nanocrystals with variable index facets as highly effective cathode catalysts for lithiumâ€“oxygen batteries. NPG Asia Materials, 2015, 7, e155-e155. | 7.9 | 66 |
| 76 | MoS<sub>2</sub>/Graphene Composite Anodes with Enhanced Performance for Sodiumâ€Ion Batteries: The Role of the Twoâ€Dimensional Heterointerface. Advanced Functional Materials, 2015, 25, 1393-1403. | 14.9 | 657 |
| 77 | Sn@CNT nanopillars grown perpendicularly on carbon paper: A novel free-standing anode for sodium ion batteries. Nano Energy, 2015, 13, 208-217. | 16.0 | 185 |
| 78 | Microwave synthesis of Î±-Fe2O3 nanoparticles and their lithium storage properties: A comparative study. Journal of Alloys and Compounds, 2015, 648, 732-739. | 5.5 | 38 |
| 79 | Hierarchical Vanadium Pentoxide Spheres as Highâ€Performance Anode Materials for Sodiumâ€Ion Batteries. ChemSusChem, 2015, 8, 2877-2882. | 6.8 | 40 |
| 80 | Sustainable process for all-carbon electrodes: Horticultural doping of natural-resource-derived nano-carbons for high-performance supercapacitors. Carbon, 2015, 91, 386-394. | 10.3 | 26 |
| 81 | Antimony-Carbon-Graphene Fibrous Composite as Freestanding Anode Materials for Sodium-ion Batteries. Electrochimica Acta, 2015, 177, 304-309. | 5.2 | 44 |
| 82 | Anatase TiO<sub>2</sub>: Better Anode Material Than Amorphous and Rutile Phases of TiO<sub>2</sub> for Na-Ion Batteries. Chemistry of Materials, 2015, 27, 6022-6029. | 6.7 | 279 |
| 83 | Scalable Preparation of LiFePO<sub>4</sub>/C Nanocomposites with sp<sup>2</sup>â€Coordinated Carbon Coating as Highâ€Performance Cathode Materials for Lithiumâ€Ion Batteries. ChemElectroChem, 2015, 2, 2096-2103. | 3.4 | 9 |
| 84 | Hierarchical Ru nanospheres as highly effective cathode catalysts for Liâ€“O2batteries. Journal of Materials Chemistry A, 2015, 3, 18384-18388. | 10.3 | 20 |
| 85 | Polypyrrole hollow nanospheres: stable cathode materials for sodium-ion batteries. Chemical Communications, 2015, 51, 16092-16095. | 4.1 | 68 |
| 86 | Ultrathin MoS<sub>2</sub> Nanosheets as Anode Materials for Sodiumâ€Ion Batteries with Superior Performance. Advanced Energy Materials, 2015, 5, 1401205. | 19.5 | 341 |
| 87 | Mesoporous MnCo<sub>2</sub>O<sub>4</sub> with a Flakeâ€Like Structure as Advanced Electrode Materials for Lithiumâ€Ion Batteries and Supercapacitors. Chemistry - A European Journal, 2015, 21, 1526-1532. | 3.3 | 183 |
| 88 | A Microwave Synthesis of Mesoporous NiCo<sub>2</sub>O<sub>4</sub> Nanosheets as Electrode Materials for Lithiumâ€Ion Batteries and Supercapacitors. ChemPhysChem, 2015, 16, 169-175. | 2.1 | 122 |
| 89 | SnS<sub>2</sub> Nanoplatelet@Graphene Nanocomposites as Highâ€Capacity Anode Materials for Sodiumâ€Ion Batteries. Chemistry - an Asian Journal, 2014, 9, 1611-1617. | 3.3 | 166 |
| 90 | Synthesis of Singleâ€Crystalline Spinel LiMn<sub>2</sub>O<sub>4</sub> Nanorods for Lithiumâ€Ion Batteries with High Rate Capability and Long Cycle Life. Chemistry - A European Journal, 2014, 20, 17125-17131. | 3.3 | 32 |

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|---|---|---|---|
| 91 | Graphene/MnO2 hybrid nanosheets as high performance electrode materials for supercapacitors. Materials Chemistry and Physics, 2014, 143, 740-746. | 4.0 | 34 |
| 92 | Microwave hydrothermal synthesis of urchin-like NiO nanospheres as electrode materials for lithium-ion batteries and supercapacitors with enhanced electrochemical performances. Journal of Alloys and Compounds, 2014, 582, 522-527. | 5.5 | 48 |
| 93 | 3D mesoporous hybrid NiCo<sub>2</sub>O<sub>4</sub>@graphene nanoarchitectures as electrode materials for supercapacitors with enhanced performances. Journal of Materials Chemistry A, 2014, 2, 8103-8109. | 10.3 | 94 |
| 94 | Hierarchical orthorhombic V2O5 hollow nanospheres as high performance cathode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 11185. | 10.3 | 153 |
| 95 | WS2@graphene nanocomposites as anode materials for Na-ion batteries with enhanced electrochemical performances. Chemical Communications, 2014, 50, 4192. | 4.1 | 224 |
| 96 | Soft-template synthesis of 3D porous graphene foams with tunable architectures for lithiumâ€“O<sub>2</sub> batteries and oil adsorption applications. Journal of Materials Chemistry A, 2014, 2, 7973-7979. | 10.3 | 108 |
| 97 | Single-walled carbon nanotube-based polymer monoliths for the enantioselective nano-liquid chromatographic separation of racemic pharmaceuticals. Journal of Chromatography A, 2014, 1360, 100-109. | 3.7 | 60 |
| 98 | Microwave-assisted synthesis of spherical Î²-Ni(OH) 2 superstructures for electrochemical capacitors with excellent cycling stability. Chemical Physics Letters, 2014, 610-611, 115-120. | 2.6 | 25 |
| 99 | A simple approach to prepare nickel hydroxide nanosheets for enhanced pseudocapacitive performance. RSC Advances, 2014, 4, 19476-19481. | 3.6 | 28 |
| 100 | Highly Porous NiCo<sub>2</sub>O<sub>4</sub> Nanoflakes and Nanobelts as Anode Materials for Lithium-Ion Batteries with Excellent Rate Capability. ACS Applied Materials & Interfaces, 2014, 6, 14827-14835. | 8.0 | 187 |
| 101 | Mesocrystal Co3O4 nanoplatelets as high capacity anode materials for Li-ion batteries. Nano Research, 2014, 7, 794-803. | 10.4 | 67 |
| 102 | Hydrothermal synthesis of FeP4 and Fe2P-loaded Î±-Fe2O3 hollow spheres and applications in gas sensors. Sensors and Actuators B: Chemical, 2014, 194, 27-32. | 7.8 | 6 |
| 103 | Hierarchical Mesoporous SnO Microspheres as High Capacity Anode Materials for Sodiumâ€ion Batteries. Chemistry - A European Journal, 2014, 20, 3192-3197. | 3.3 | 59 |
| 104 | Mesoporous hexagonal Co3O4 for high performance lithium ion batteries. Scientific Reports, 2014, 4, 6519. | 3.3 | 84 |
| 105 | Single Crystalline Co3O4 Nanocrystals Exposed with Different Crystal Planes for Li-O2 Batteries. Scientific Reports, 2014, 4, 5767. | 3.3 | 201 |
| 106 | CuO single crystal with exposed {001} facets - A highly efficient material for gas sensing and Li-ion battery applications. Scientific Reports, 2014, 4, 5753. | 3.3 | 123 |
| 107 | Fabrication and enhanced electrochemical performances of MoO3/graphene composite as anode material for lithium-ion batteries. International Journal of Smart Grid and Clean Energy, 2014, , . | 0.4 | 3 |
| 108 | Single Crystalline Na<sub>0.7</sub>MnO<sub>2</sub> Nanoplates as Cathode Materials for Sodiumâ€ion Batteries with Enhanced Performance. Chemistry - A European Journal, 2013, 19, 10884-10889. | 3.3 | 194 |

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|---|---|---|---|
| 109 | Octahedral tin dioxide nanocrystals as high capacity anode materials for Na-ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 12543. | 2.8 | 115 |
| 110 | SnO2@MWCNT nanocomposite as a high capacity anode material for sodium-ion batteries. Electrochemistry Communications, 2013, 29, 8-11. | 4.7 | 232 |
| 111 | One-dimensional magnetite Fe3O4 nanowires as electrode material for Li-ion batteries with improved electrochemical performance. Journal of Power Sources, 2013, 244, 742-746. | 7.8 | 43 |
| 112 | High capacity spherical Li[Li0.24Mn0.55Co0.14Ni0.07]O2 cathode material for lithium ion batteries. Solid State Ionics, 2013, 233, 12-19. | 2.7 | 20 |
| 113 | A study of PtxCoy alloy nanoparticles as cathode catalysts for lithium-air batteries with improved catalytic activity. Journal of Power Sources, 2013, 244, 488-493. | 7.8 | 44 |
| 114 | SnO2@graphene nanocomposites as anode materials for Na-ion batteries with superior electrochemical performance. Chemical Communications, 2013, 49, 3131. | 4.1 | 332 |
| 115 | ZnO nanocrystals with a high percentage of exposed reactive facets for enhanced gas sensing performance. Sensors and Actuators B: Chemical, 2013, 186, 286-292. | 7.8 | 20 |
| 116 | Single-Crystalline Bilayered V<sub>2</sub>O<sub>5</sub> Nanobelts for High-Capacity Sodium-Ion Batteries. ACS Nano, 2013, 7, 11218-11226. | 14.6 | 326 |
| 117 | Î²-MnO2 nanorods with exposed tunnel structures as high-performance cathode materials for sodium-ion batteries. NPG Asia Materials, 2013, 5, e70-e70. | 7.9 | 68 |
| 118 | The Effect of Carbon Coating on the Electrochemical Performance of Nanosized Li2FeSiO4Cathode Materials. Acta Physica Polonica A, 2013, 123, 279-282. | 0.5 | 5 |
| 119 | Hydrothermal synthesis of Î±-MnO2 and Î²-MnO2 nanorods as high capacity cathode materials for sodium ion batteries. Journal of Materials Chemistry A, 2013, 1, 4845. | 10.3 | 215 |
| 120 | Hydrothermal Synthesis of Nickel Oxide Nanosheets for Lithiumâ€ion Batteries and Supercapacitors with Excellent Performance. Chemistry - an Asian Journal, 2013, 8, 2828-2832. | 3.3 | 33 |
| 121 | Synthesis of Highly Ordered Mesoporous Co3O4 for Gas Sensing. Journal of Nanoscience and Nanotechnology, 2013, 13, 3354-3359. | 0.9 | 3 |
| 122 | Consideration of Critical Axial Properties of Pristine and Defected Carbon Nanotubes Under Compression. Journal of Nanoscience and Nanotechnology, 2012, 12, 5025-5029. | 0.9 | 0 |
| 123 | Synthesis of tuneable porous hematites (Î±-Fe2O3) for gas sensing and lithium storage in lithium ion batteries. Microporous and Mesoporous Materials, 2012, 149, 36-45. | 4.4 | 44 |
| 124 | Solvothermal synthesis of CoS2â€“graphene nanocomposite material for high-performance supercapacitors. Journal of Materials Chemistry, 2012, 22, 15750. | 6.7 | 205 |
| 125 | Preparation and Enhanced Electrochemical Performance of MnO<sub>2</sub> Nanosheets for Supercapacitors. Journal of the Chinese Chemical Society, 2012, 59, 1275-1279. | 1.4 | 9 |
| 126 | Graphene-supported SnO2 nanoparticles prepared by a solvothermal approach for an enhanced electrochemical performance in lithium-ion batteries. Nanoscale Research Letters, 2012, 7, 215. | 5.7 | 38 |

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|---|---|---|---|
| 127 | Mesoporous NiO crystals with dominantly exposed {110} reactive facets for ultrafast lithium storage. Scientific Reports, 2012, 2, 924. | 3.3 | 160 |
| 128 | Hollow CoFe<sub>2</sub>O<sub>4</sub>nanospheres as a high capacity anode material for lithium ion batteries. Nanotechnology, 2012, 23, 055402. | 2.6 | 140 |
| 129 | Glycothermal synthesis of assembled vanadium oxide nanostructures for gas sensing. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 32 |
| 130 | An ordered mesoporous WS2 anode material with superior electrochemical performance for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 17437. | 6.7 | 186 |
| 131 | Highly Ordered Mesoporous MoS<sub>2</sub> with Expanded Spacing of the (002) Crystal Plane for Ultrafast Lithium Ion Storage. Advanced Energy Materials, 2012, 2, 970-975. | 19.5 | 455 |
| 132 | Superior Electrochemical Performance of Sulfur/Graphene Nanocomposite Material for Highâ€Capacity Lithiumâ€“Sulfur Batteries. Chemistry - an Asian Journal, 2012, 7, 1637-1643. | 3.3 | 58 |
| 133 | Mesoporous Nickel Oxide Nanowires: Hydrothermal Synthesis, Characterisation and Applications for Lithiumâ€Ion Batteries and Supercapacitors with Superior Performance. Chemistry - A European Journal, 2012, 18, 8224-8229. | 3.3 | 133 |
| 134 | Graphene nanosheets as cathode catalysts for lithium-air batteries with an enhanced electrochemical performance. Carbon, 2012, 50, 727-733. | 10.3 | 238 |
| 135 | Enhance electrochemical performance of lithium sulfur battery through a solution-based processing technique. Journal of Power Sources, 2012, 202, 389-393. | 7.8 | 57 |
| 136 | Polyhedral Magnetite Nanocrystals with Multiple Facets: Facile Synthesis, Structural Modelling, Magnetic Properties and Application for High Capacity Lithium Storage. Chemistry - A European Journal, 2012, 18, 488-497. | 3.3 | 24 |
| 137 | Ab initio calculations on Li-ion migration in Li2FeSiO4 cathode material with a P21 symmetry structure. Applied Physics Letters, 2011, 99, . | 3.3 | 29 |
| 138 | Analysis and study on Chinese ancient wooden wheel. , 2009, , . | | 2 |