# Shuangqiang Chen

List of Publications by Year
in descending order

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|---|---|---|---|
| 78 papers | 7,406 citations | 44069 48 h-index | 69250 77 g-index |
| 78 all docs | 78 docs citations | 78 times ranked | 9676 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | In-situ structural evolution analysis of Zr-doped Na3V2(PO4)2F3 coated by N-doped carbon layer as high-performance cathode for sodium-ion batteries. Journal of Energy Chemistry, 2022, 65, 514-523. | 12.9 | 62 |
| 2 | Atomic layer deposition of alumina onto yolk-shell FeS/MoS2 as universal anodes for Li/Na/K-Ion batteries. Electrochimica Acta, 2022, 402, 139471. | 5.2 | 12 |
| 3 | MILâ€96â€Al for Liâ€“S Batteries: Shape or Size?. Advanced Materials, 2022, 34, e2107836. | 21.0 | 205 |
| 4 | Shear-resistant interface of layered oxide cathodes for sodium ion batteries. Energy Storage Materials, 2022, 45, 389-398. | 18.0 | 33 |
| 5 | Pomegranate-Inspired Nitrogen-Doped Carbon-Coated Bimetallic Sulfides as a High-Performance Anode of Sodium-Ion Batteries and Their Structural Evolution Analysis. ACS Applied Energy Materials, 2022, 5, 3199-3207. | 5.1 | 9 |
| 6 | Tin-nitrogen coordination boosted lithium-storage sites and electrochemical properties in covalent-organic framework with layer-assembled hollow structure. Journal of Colloid and Interface Science, 2022, 622, 591-601. | 9.4 | 14 |
| 7 | A kind of Co-based coordination compounds with tunable morphologies and its Li-storage mechanism. Electrochimica Acta, 2022, 422, 140565. | 5.2 | 5 |
| 8 | Ruâ€•and Clâ€Codoped Li<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> with Enhanced Performance for Lithiumâ€Ion Batteries in a Wide Temperature Range. Small, 2022, 18, . | 10.0 | 10 |
| 9 | Redox-Active Tetramino-Benzoquinone Ïâ€“Ï€ Stacking and H-Bonding onto Multiwalled Carbon Nanotubes toward a High-Performance Asymmetric Supercapacitor. ACS Applied Energy Materials, 2022, 5, 8112-8122. | 5.1 | 7 |
| 10 | Progress and Perspective of Metalâ€•and Covalentâ€Organic Frameworks and their Derivatives for Lithiumâ€Ion Batteries. Batteries and Supercaps, 2021, 4, 72-97. | 4.7 | 39 |
| 11 | Higher valency ion substitution causing different fluorite-derived structures in CaZr1-Nd Ti2-Nb O7 (0.05 â‰¤ x â‰¤ 1) solid solution. Ceramics International, 2021, 47, 2694-2704. | 4.8 | 1 |
| 12 | N-doped carbon nanofibers encapsulated Cu2-xSe with the improved lithium storage performance and its structural evolution analysis. Electrochimica Acta, 2021, 367, 137449. | 5.2 | 20 |
| 13 | Ultra-small Fe<sub>3</sub>O<sub>4</sub> nanodots encapsulated in layered carbon nanosheets with fast kinetics for lithium/potassium-ion battery anodes. RSC Advances, 2021, 11, 1261-1270. | 3.6 | 16 |
| 14 | Two-dimensional imine-based covalentâ€“organic-framework derived nitrogen-doped porous carbon nanosheets for high-performance lithiumâ€“sulfur batteries. New Journal of Chemistry, 2021, 45, 8683-8692. | 2.8 | 9 |
| 15 | Fluorine/Nitrogen Co-Doped Porous Carbons Derived from Covalent Triazine Frameworks for High-Performance Supercapacitors. ACS Applied Energy Materials, 2021, 4, 4519-4529. | 5.1 | 21 |
| 16 | Imineâ€Induced Metalâ€Organic and Covalent Organic Coexisting Framework with Superior Liâ€Storage Properties and Activation Mechanism. ChemSusChem, 2021, 14, 3283-3292. | 6.8 | 12 |
| 17 | Lithiophilic Vertical Cactusâ€Like Framework Derived from Cu/Znâ€Based Coordination Polymer through In Situ Chemical Etching for Stable Lithium Metal Batteries. Advanced Functional Materials, 2021, 31, 2008514. | 14.9 | 32 |
| 18 | The Progress and Prospect of Tunable Organic Molecules for Organic Lithium-Ion Batteries. ACS Nano, 2021, 15, 47-80. | 14.6 | 130 |

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|---|---|---|---|
| 19 | Metalâ€“Organic Framework-Derived Nanoconfinements of CoF<sub>2</sub> and Mixed-Conducting Wiring for High-Performance Metal Fluoride-Lithium Battery. ACS Nano, 2021, 15, 1509-1518. | 14.6 | 69 |
| 20 | Cobalt Coordinated Cyano Covalent-Organic Framework for High-Performance Potassium-Organic Batteries. ACS Applied Materials & Interfaces, 2021, 13, 48913-48922. | 8.0 | 36 |
| 21 | Self-assembled 3D Fe2(MoO4)3 microspheres with amorphous shell as anode of lithium-ion batteries with superior electrochemical performance. Chemical Engineering Science, 2020, 217, 115517. | 3.8 | 18 |
| 22 | Coreâ€“Shell Layered Oxide Cathode for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 7144-7152. | 8.0 | 47 |
| 23 | Structure and thermal expansion behavior of Ca<sub>4</sub>La<sub>6â”'x</sub>Nd<sub>x</sub>(SiO<sub>4</sub>)<sub>4</sub>(PO<sub>4</sub>)<sub>2</sub>O<sub>2</sub> apatite for nuclear waste immobilization. Dalton Transactions, 2020, 49, 2578-2588. | 4.0 | 6 |
| 24 | 3D Honeycomb Architecture Enables a Highâ€Rate and Longâ€Life Iron (III) Fluorideâ€“Lithium Battery. Advanced Materials, 2019, 31, e1905146. | 21.0 | 84 |
| 25 | Natural Vermiculite Enables Highâ€Performance in Lithiumâ€“Sulfur Batteries via Electrical Double Layer Effects. Advanced Functional Materials, 2019, 29, 1902820. | 14.9 | 50 |
| 26 | A Sulfurâ€“Limoneneâ€Based Electrode for Lithiumâ€“Sulfur Batteries: Highâ€Performance by Selfâ€Protection. Advanced Materials, 2018, 30, e1706643. | 21.0 | 114 |
| 27 | Multi-electron reaction materials for sodium-based batteries. Materials Today, 2018, 21, 960-973. | 14.2 | 103 |
| 28 | Top-down synthesis of interconnected two-dimensional carbon/antimony hybrids as advanced anodes for sodium storage. Energy Storage Materials, 2018, 10, 122-129. | 18.0 | 50 |
| 29 | Ultrathin Ti<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub> Nanosheets with Pseudocapacitive Properties as Superior Anode for Sodiumâ€Ion Batteries. Advanced Materials, 2018, 30, e1804378. | 21.0 | 117 |
| 30 | Preparation and characterization of novel nonstoichiometric magnesium aluminate spinels. Ceramics International, 2018, 44, 15104-15109. | 4.8 | 14 |
| 31 | Cross-Linking Hollow Carbon Sheet Encapsulated CuP<sub>2</sub> Nanocomposites for High Energy Density Sodium-Ion Batteries. ACS Nano, 2018, 12, 7018-7027. | 14.6 | 99 |
| 32 | Peapodâ€like Li<sub>3</sub>VO<sub>4</sub>/Nâ€Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for Highâ€Energy Lithiumâ€Ion Capacitors. Advanced Materials, 2017, 29, 1700142. | 21.0 | 298 |
| 33 | Challenges and Perspectives for NASICONâ€Type Electrode Materials for Advanced Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1700431. | 21.0 | 499 |
| 34 | Carbonâ€Coated Li<sub>3</sub>VO<sub>4</sub> Spheres as Constituents of an Advanced Anode Material for Highâ€Rate Longâ€Life Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1701571. | 21.0 | 119 |
| 35 | Activated graphene with tailored pore structure parameters for long cycle-life lithiumâ€“sulfur batteries. Nano Research, 2017, 10, 4305-4317. | 10.4 | 52 |
| 36 | Dualâ€Functionalized Double Carbon Shells Coated Silicon Nanoparticles for High Performance Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1605650. | 21.0 | 325 |

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|---|---|---|---|
| 37 | MoS<sub>2</sub>â€Based Nanocomposites for Electrochemical Energy Storage. Advanced Science, 2017, 4, 1600289. | 11.2 | 374 |
| 38 | Porous carbon nanocages encapsulated with tin nanoparticles for high performance sodium-ion batteries. Energy Storage Materials, 2016, 5, 180-190. | 18.0 | 61 |
| 39 | A universal synthetic route to carbon nanotube/transition metal oxide nano-composites for lithium ion batteries and electrochemical capacitors. Scientific Reports, 2016, 6, 37752. | 3.3 | 58 |
| 40 | A free-standing LiFePO<sub>4</sub>â€“carbon paper hybrid cathode for flexible lithium-ion batteries. Green Chemistry, 2016, 18, 2691-2698. | 9.0 | 53 |
| 41 | Mesoporous Carbon Nanocube Architecture for Highâ€Performance Lithiumâ€“Oxygen Batteries. Advanced Functional Materials, 2015, 25, 4436-4444. | 14.9 | 155 |
| 42 | 3D Networked Tin Oxide/Graphene Aerogel with a Hierarchically Porous Architecture for Highâ€Rate Performance Sodiumâ€Ion Batteries. ChemSusChem, 2015, 8, 2948-2955. | 6.8 | 70 |
| 43 | Graphene-Co3O4 nanocomposite as electrocatalyst with high performance for oxygen evolution reaction. Scientific Reports, 2015, 5, 7629. | 3.3 | 234 |
| 44 | Microwave-assisted Synthesis of Mesoporous Co<sub>3</sub>O<sub>4</sub> Nanoflakes for Applications in Lithium Ion Batteries and Oxygen Evolution Reactions. ACS Applied Materials & Interfaces, 2015, 7, 3306-3313. | 8.0 | 169 |
| 45 | 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 |
| 46 | Multi-chambered micro/mesoporous carbon nanocubes as new polysulfides reserviors for lithiumâ€“sulfur batteries with long cycle life. Nano Energy, 2015, 16, 268-280. | 16.0 | 132 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | Batteries: 3D Hyperbranched Hollow Carbon Nanorod Architectures for High-Performance Lithium-Sulfur Batteries (Adv. Energy Mater. 8/2014). Advanced Energy Materials, 2014, 4, n/a-n/a. | 19.5 | 2 |
| 52 | Graphene/MnO2 hybrid nanosheets as high performance electrode materials for supercapacitors. Materials Chemistry and Physics, 2014, 143, 740-746. | 4.0 | 34 |
| 53 | Selfâ€Assembling Synthesis of Freeâ€standing Nanoporous Grapheneâ€“Transitionâ€Metal Oxide Flexible Electrodes for Highâ€Performance Lithiumâ€Ion Batteries and Supercapacitors. Chemistry - an Asian Journal, 2014, 9, 206-211. | 3.3 | 62 |
| 54 | 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 |

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|---|---|---|---|
| 55 | 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 |
| 56 | 3D Hyperbranched Hollow Carbon Nanorod Architectures for Highâ€Performance Lithiumâ€Sulfur Batteries. Advanced Energy Materials, 2014, 4, 1301761. | 19.5 | 154 |
| 57 | Porous Graphene Nanoarchitectures: An Efficient Catalyst for Low Charge-Overpotential, Long Life, and High Capacity Lithiumâ€“Oxygen Batteries. Nano Letters, 2014, 14, 3145-3152. | 9.1 | 329 |
| 58 | Hierarchical 3D mesoporous silicon@graphene nanoarchitectures for lithium ion batteries with superior performance. Nano Research, 2014, 7, 85-94. | 10.4 | 163 |
| 59 | Multi-shelled hollow carbon nanospheres for lithiumâ€“sulfur batteries with superior performances. Journal of Materials Chemistry A, 2014, 2, 16199-16207. | 10.3 | 116 |
| 60 | An optimized LiNO3/DMSO electrolyte for high-performance rechargeable Liâ€“O2 batteries. RSC Advances, 2014, 4, 11115. | 3.6 | 60 |
| 61 | 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 |
| 62 | A simple approach to prepare nickel hydroxide nanosheets for enhanced pseudocapacitive performance. RSC Advances, 2014, 4, 19476-19481. | 3.6 | 28 |
| 63 | Porous carbon particles derived from natural peanut shells as lithium ion battery anode and its electrochemical properties. Electronic Materials Letters, 2014, 10, 819-826. | 2.2 | 18 |
| 64 | 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 |
| 65 | Hierarchical macroporous/mesoporous NiCo<sub>2</sub>O<sub>4</sub>nanosheets as cathode catalysts for rechargeable Liâ€“O<sub>2</sub>batteries. Journal of Materials Chemistry A, 2014, 2, 12053. | 10.3 | 82 |
| 66 | Porous poly(vinylidene fluoride-co-hexafluoropropylene) polymer membrane with sandwich-like architecture for highly safe lithium ion batteries. Journal of Membrane Science, 2014, 472, 133-140. | 8.2 | 75 |
| 67 | Honeycomb-like porous gel polymer electrolyte membrane for lithium ion batteries with enhanced safety. Scientific Reports, 2014, 4, 6007. | 3.3 | 165 |
| 68 | Mesoporous graphene paper immobilised sulfur as a flexible electrode for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2013, 1, 13484. | 10.3 | 103 |
| 69 | Large-scale and low cost synthesis of graphene as high capacity anode materials for lithium-ion batteries. Carbon, 2013, 64, 158-169. | 10.3 | 40 |
| 70 | Synthesis of Fe2O3â€“CNTâ€“graphene hybrid materials with an open three-dimensional nanostructure for high capacity lithium storage. Nano Energy, 2013, 2, 425-434. | 16.0 | 120 |
| 71 | 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 |
| 72 | Microwave hydrothermal synthesis of high performance tinâ€“graphene nanocomposites for lithium ion batteries. Journal of Power Sources, 2012, 216, 22-27. | 7.8 | 92 |

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|---|---|---|---|
| 73 | Nanocomposites of hematite (Î±-Fe2O3) nanospindles with crumpled reduced graphene oxide nanosheets as high-performance anode material for lithium-ion batteries. RSC Advances, 2012, 2, 10977. | 3.6 | 75 |
| 74 | Chemical-free synthesis of grapheneâ€“carbon nanotube hybrid materials for reversible lithium storage in lithium-ion batteries. Carbon, 2012, 50, 4557-4565. | 10.3 | 106 |
| 75 | Carbon nanotubes grown in situ on graphene nanosheets as superior anodes for Li-ion batteries. Nanoscale, 2011, 3, 4323. | 5.6 | 119 |
| 76 | Graphene supported Snâ€“Sb@carbon core-shell particles as a superior anode for lithium ion batteries. Electrochemistry Communications, 2010, 12, 1302-1306. | 4.7 | 132 |
| 77 | Microwave-assisted synthesis of a Co3O4â€“graphene sheet-on-sheet nanocomposite as a superior anode material for Li-ion batteries. Journal of Materials Chemistry, 2010, 20, 9735. | 6.7 | 261 |
| 78 | 2.5 V high performance aqueous and semiâ€solidâ€state symmetric supercapacitors enabled by 3 m sulfolaneâ€saturated aqueous electrolytes. Energy Technology, 0, , . | 3.8 | 2 |