# Shu-Ge Dai

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 47 papers | 3,720 citations | 201385 27 h-index | 214527 47 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 4548 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High performance solid state flexible supercapacitor based on molybdenum sulfide hierarchical nanospheres. Journal of Power Sources, 2015, 285, 63-69. | 4.0 | 357 |
| 2 | High-Performance Energy Storage and Conversion Materials Derived from a Single Metalâ€“Organic Framework/Graphene Aerogel Composite. Nano Letters, 2017, 17, 2788-2795. | 4.5 | 348 |
| 3 | Anion and cation substitution in transition-metal oxides nanosheets for high-performance hybrid supercapacitors. Nano Energy, 2019, 57, 22-33. | 8.2 | 279 |
| 4 | A high-performance supercapacitor electrode based on N-doped porous graphene. Journal of Power Sources, 2018, 387, 43-48. | 4.0 | 231 |
| 5 | MOF-derived Î±-NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. Journal of Materials Chemistry A, 2018, 6, 4003-4012. | 5.2 | 231 |
| 6 | Design and understanding of dendritic mixed-metal hydroxide nanosheets@N-doped carbon nanotube array electrode for high-performance asymmetric supercapacitors. Energy Storage Materials, 2019, 16, 632-645. | 9.5 | 225 |
| 7 | Controlled synthesis of three-phase NixSy/rGO nanoflake electrodes for hybrid supercapacitors with highÂenergy and power density. Nano Energy, 2017, 33, 522-531. | 8.2 | 211 |
| 8 | Functionalized Bimetallic Hydroxides Derived from Metalâ€“Organic Frameworks for High-Performance Hybrid Supercapacitor with Exceptional Cycling Stability. ACS Energy Letters, 2017, 2, 1263-1269. | 8.8 | 167 |
| 9 | Core-shell structured Fe2O3@Fe3C@C nanochains and Niâ€“Co carbonate hydroxide hybridized microspheres for high-performance battery-type supercapacitor. Journal of Power Sources, 2021, 482, 228915. | 4.0 | 153 |
| 10 | Faradic redox active material of Cu<sub>7</sub>S<sub>4</sub> nanowires with a high conductance for flexible solid state supercapacitors. Nanoscale, 2015, 7, 13610-13618. | 2.8 | 134 |
| 11 | CuO Nanoflowers growing on Carbon Fiber Fabric for Flexible High-Performance Supercapacitors. Electrochimica Acta, 2016, 203, 1-8. | 2.6 | 121 |
| 12 | In situ Raman study of nickel bicarbonate for high-performance energy storage device. Nano Energy, 2019, 64, 103919. | 8.2 | 112 |
| 13 | 3D printed rGO/CNT microlattice aerogel for a dendrite-free sodium metal anode. Journal of Materials Chemistry A, 2020, 8, 19843-19854. | 5.2 | 82 |
| 14 | Charge storage in KCu7S4 as redox active material for a flexible all-solid-state supercapacitor. Nano Energy, 2016, 19, 363-372. | 8.2 | 77 |
| 15 | â€œOneâ€forâ€Allâ€•Strategy in Fast Energy Storage: Production of Pillared MOF Nanorodâ€Templated Positive/Negative Electrodes for the Application of Highâ€Performance Hybrid Supercapacitor. Small, 2018, 14, e1800285. | 5.2 | 75 |
| 16 | A Flexible micro-supercapacitor based on a pen ink-carbon fiber thread. Journal of Materials Chemistry A, 2014, 2, 19665-19669. | 5.2 | 69 |
| 17 | A robust 2D organic polysulfane nanosheet with grafted polycyclic sulfur for highly reversible and durable lithium-organosulfur batteries. Nano Energy, 2019, 57, 635-643. | 8.2 | 69 |
| 18 | Nanorod-aggregated flower-like CuO grown on a carbon fiber fabric for a super high sensitive non-enzymatic glucose sensor. Journal of Materials Chemistry B, 2015, 3, 5777-5785. | 2.9 | 68 |

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|---|---|---|---|
| 19 | Controlled synthesis of KCu7S4/rGO nanocomposites for electrochemical energy storage. Materials and Design, 2020, 195, 108992. | 3.3 | 61 |
| 20 | Folded Elastic Strip-Based Triboelectric Nanogenerator for Harvesting Human Motion Energy for Multiple Applications. ACS Applied Materials & Interfaces, 2015, 7, 20469-20476. | 4.0 | 50 |
| 21 | Pt nanoparticles supported on graphene three-dimensional network structure for effective methanol and ethanol oxidation. Journal of Power Sources, 2015, 273, 624-630. | 4.0 | 45 |
| 22 | Robust VS<sub>4</sub>@rGO nanocomposite as a high-capacity and long-life cathode material for aqueous zinc-ion batteries. Nanoscale, 2021, 13, 12370-12378. | 2.8 | 45 |
| 23 | KCu7S4 nanowires and the Mn/KCu7S4 nanostructure for solid-state supercapacitors. Journal of Materials Chemistry A, 2013, 1, 15530. | 5.2 | 43 |
| 24 | MnO2@KCu7S4 NWs hybrid compositions for high-power all-solid-state supercapacitor. Journal of Power Sources, 2015, 274, 477-482. | 4.0 | 38 |
| 25 | Insight into faradaic mechanism of NiCo-CHH microspheres in high-performance Ni-Cu batteries. Scripta Materialia, 2022, 215, 114691. | 2.6 | 34 |
| 26 | Rational design of NiSe2@rGO nanocomposites for advanced hybrid supercapacitors. Journal of Materials Research and Technology, 2021, 15, 6155-6161. | 2.6 | 31 |
| 27 | Facile synthesis of MOFs derived Fe7S8/C composites for high capacity and long-life rechargeable lithium/sodium batteries. Applied Surface Science, 2019, 492, 504-512. | 3.1 | 30 |
| 28 | NiO nanoparticles supported on graphene 3D network current collector for high-performance electrochemical energy storage. Electrochimica Acta, 2016, 214, 68-75. | 2.6 | 29 |
| 29 | Rational synthesis of marcasite FeS2 hollow microspheres for high-rate and long-life sodium ion battery anode. Journal of Alloys and Compounds, 2020, 825, 154173. | 2.8 | 26 |
| 30 | Different proportions of C/KCu7S4 hybrid structure for high-performance supercapacitors. Journal of Power Sources, 2014, 263, 175-180. | 4.0 | 25 |
| 31 | K-preintercalated MnO2 nanosheets as cathode for high-performance Zn-ion batteries. Journal of Electroanalytical Chemistry, 2021, 895, 115529. | 1.9 | 25 |
| 32 | Î²-NiMoO<sub>4</sub> nanowire arrays grown on carbon cloth for 3D solid asymmetry supercapacitors. RSC Advances, 2015, 5, 107098-107104. | 1.7 | 24 |
| 33 | Enhanced output-power of nanogenerator by modifying PDMS film with lateral ZnO nanotubes and Ag nanowires. RSC Advances, 2015, 5, 32566-32571. | 1.7 | 22 |
| 34 | Controlled synthesis of NiSe-Ni0.85Se nanocomposites for high-performance hybrid supercapacitors. Journal of Electroanalytical Chemistry, 2021, 880, 114795. | 1.9 | 22 |
| 35 | 3D Mesoporous Ni(OH)<sub>2</sub>/WS<sub>2</sub> Nanofibers with Highly Enhanced Performances for Hybrid Supercapacitors. Energy Technology, 2019, 7, 1800476. | 1.8 | 21 |
| 36 | Organic polysulfanes grafted on porous graphene as an electrode for high-performance lithium organosulfur batteries. Journal of Power Sources, 2021, 491, 229617. | 4.0 | 21 |

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|---|---|---|---|
| 37 | A bi-functional WO3-based anode enables both energy storage and conversion in an intermediate-temperature fuel cell. Energy Storage Materials, 2018, 12, 79-84. | 9.5 | 18 |
| 38 | Rational construction of K<sub>0.5</sub>V<sub>2</sub>O<sub>5</sub> nanobelts/CNTs flexible cathode for multi-functional potassium-ion batteries. Nanoscale, 2021, 13, 8199-8209. | 2.8 | 17 |
| 39 | Urchin-Like Ni2/3Co1/3(CO3)1/2(OH)Â·0.11H2O for High-Performance Supercapacitors. Frontiers in Chemistry, 2018, 6, 431. | 1.8 | 16 |
| 40 | Micro-structured lepidocrocite-type H1.07Ti1.73O4 as anode for lithium-ion batteries with an ultrahigh rate and long-term cycling performance. Rare Metals, 2021, 40, 1391-1401. | 3.6 | 12 |
| 41 | Hierarchical Porous Nanostructures of Manganese(III) Oxyhydroxide for Allâ€Solidâ€State Flexible Supercapacitors. Energy Technology, 2016, 4, 1450-1454. | 1.8 | 11 |
| 42 | C@KCu7S4 microstructure for solid-state supercapacitors. RSC Advances, 2014, 4, 40542-40545. | 1.7 | 10 |
| 43 | A durable polyvinyl butyral-CsH2PO4 composite electrolyte for solid acid fuel cells. Journal of Power Sources, 2017, 359, 1-6. | 4.0 | 9 |
| 44 | Organic Macromolecule regulated the structure of vanadium oxide with high capacity and stability for aqueous Zinc-ion batteries. Applied Surface Science, 2022, 592, 153295. | 3.1 | 9 |
| 45 | Based on the stable tunnel structure of C@K2Ti6O13 hybrid compositions for supercapacitor. Electrochimica Acta, 2017, 252, 498-506. | 2.6 | 7 |
| 46 | A Porous and Conductive Graphite Nanonetwork Forming on the Surface of KCu7S4 for Energy Storage. Frontiers in Chemistry, 2018, 6, 555. | 1.8 | 6 |
| 47 | Robust synthesis of a composite phase of copper vanadium oxide with enhanced performance for durable aqueous Zn-ion batteries. Nanotechnology Reviews, 2022, 11, 1633-1642. | 2.6 | 4 |