

Shu-Ge Dai

List of Publications by Year in descending order

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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 | Organic Macromolecule regulated the structure of vanadium oxide with high capacity and stability for aqueous Zinc-ion batteries. <i>Applied Surface Science</i> , 2022, 592, 153295. | 3.1 | 9 |
| 2 | Insight into faradaic mechanism of NiCo-CHH microspheres in high-performance Ni-Cu batteries. <i>Scripta Materialia</i> , 2022, 215, 114691. | 2.6 | 34 |
| 3 | Robust synthesis of a composite phase of copper vanadium oxide with enhanced performance for durable aqueous Zn-ion batteries. <i>Nanotechnology Reviews</i> , 2022, 11, 1633-1642. | 2.6 | 4 |
| 4 | Controlled synthesis of NiSe-Ni _{0.85} Se nanocomposites for high-performance hybrid supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114795. | 1.9 | 22 |
| 5 | Core-shell structured Fe ₂ O ₃ @Fe ₃ C@C nanochains and Ni-Co carbonate hydroxide hybridized microspheres for high-performance battery-type supercapacitor. <i>Journal of Power Sources</i> , 2021, 482, 228915. | 4.0 | 153 |
| 6 | Micro-structured lepidocrocite-type H _{1.07} Ti _{1.73} O ₄ as anode for lithium-ion batteries with an ultrahigh rate and long-term cycling performance. <i>Rare Metals</i> , 2021, 40, 1391-1401. | 3.6 | 12 |
| 7 | Robust VS ₄ @rGO nanocomposite as a high-capacity and long-life cathode material for aqueous zinc-ion batteries. <i>Nanoscale</i> , 2021, 13, 12370-12378. | 2.8 | 45 |
| 8 | Rational construction of K _{0.5} V ₂ O ₅ nanobelts/CNTs flexible cathode for multi-functional potassium-ion batteries. <i>Nanoscale</i> , 2021, 13, 8199-8209. | 2.8 | 17 |
| 9 | Organic polysulfanes grafted on porous graphene as an electrode for high-performance lithium organosulfur batteries. <i>Journal of Power Sources</i> , 2021, 491, 229617. | 4.0 | 21 |
| 10 | K-preintercalated MnO ₂ nanosheets as cathode for high-performance Zn-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115529. | 1.9 | 25 |
| 11 | Rational design of NiSe ₂ @rGO nanocomposites for advanced hybrid supercapacitors. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6155-6161. | 2.6 | 31 |
| 12 | Controlled synthesis of KCu ₇ S ₄ /rGO nanocomposites for electrochemical energy storage. <i>Materials and Design</i> , 2020, 195, 108992. | 3.3 | 61 |
| 13 | 3D printed rGO/CNT microlattice aerogel for a dendrite-free sodium metal anode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19843-19854. | 5.2 | 82 |
| 14 | Rational synthesis of marcacite FeS ₂ hollow microspheres for high-rate and long-life sodium ion battery anode. <i>Journal of Alloys and Compounds</i> , 2020, 825, 154173. | 2.8 | 26 |
| 15 | Design and understanding of dendritic mixed-metal hydroxide nanosheets@N-doped carbon nanotube array electrode for high-performance asymmetric supercapacitors. <i>Energy Storage Materials</i> , 2019, 16, 632-645. | 9.5 | 225 |
| 16 | In situ Raman study of nickel bicarbonate for high-performance energy storage device. <i>Nano Energy</i> , 2019, 64, 103919. | 8.2 | 112 |
| 17 | Facile synthesis of MOFs derived Fe ₇ S ₈ /C composites for high capacity and long-life rechargeable lithium/sodium batteries. <i>Applied Surface Science</i> , 2019, 492, 504-512. | 3.1 | 30 |
| 18 | 3D Mesoporous Ni(OH) ₂ /WS ₂ Nanofibers with Highly Enhanced Performances for Hybrid Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1800476. | 1.8 | 21 |

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|----|--|-----|-----------|
| 19 | A robust 2D organic polysulfane nanosheet with grafted polycyclic sulfur for highly reversible and durable lithium-organosulfur batteries. <i>Nano Energy</i> , 2019, 57, 635-643. | 8.2 | 69 |
| 20 | Anion and cation substitution in transition-metal oxides nanosheets for high-performance hybrid supercapacitors. <i>Nano Energy</i> , 2019, 57, 22-33. | 8.2 | 279 |
| 21 | A high-performance supercapacitor electrode based on N-doped porous graphene. <i>Journal of Power Sources</i> , 2018, 387, 43-48. | 4.0 | 231 |
| 22 | MOF-derived NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4003-4012. | 5.2 | 231 |
| 23 | One-for-All Strategy in Fast Energy Storage: Production of Pillared MOF Nanorod-Templated Positive/Negative Electrodes for the Application of High-Performance Hybrid Supercapacitor. <i>Small</i> , 2018, 14, e1800285. | 5.2 | 75 |
| 24 | A bi-functional WO ₃ -based anode enables both energy storage and conversion in an intermediate-temperature fuel cell. <i>Energy Storage Materials</i> , 2018, 12, 79-84. | 9.5 | 18 |
| 25 | A Porous and Conductive Graphite Nanonetwork Forming on the Surface of KCu ₇ S ₄ for Energy Storage. <i>Frontiers in Chemistry</i> , 2018, 6, 555. | 1.8 | 6 |
| 26 | Urchin-Like Ni ₂ /3Co ₁ /3(CO ₃) ₁ /2(OH)·0.11H ₂ O for High-Performance Supercapacitors. <i>Frontiers in Chemistry</i> , 2018, 6, 431. | 1.8 | 16 |
| 27 | Controlled synthesis of three-phase Ni _x S _y /rGO nanoflake electrodes for hybrid supercapacitors with high energy and power density. <i>Nano Energy</i> , 2017, 33, 522-531. | 8.2 | 211 |
| 28 | High-Performance Energy Storage and Conversion Materials Derived from a Single Metal-Organic Framework/Graphene Aerogel Composite. <i>Nano Letters</i> , 2017, 17, 2788-2795. | 4.5 | 348 |
| 29 | Functionalized Bimetallic Hydroxides Derived from Metal-Organic Frameworks for High-Performance Hybrid Supercapacitor with Exceptional Cycling Stability. <i>ACS Energy Letters</i> , 2017, 2, 1263-1269. | 8.8 | 167 |
| 30 | A durable polyvinyl butyral-CsH ₂ PO ₄ composite electrolyte for solid acid fuel cells. <i>Journal of Power Sources</i> , 2017, 359, 1-6. | 4.0 | 9 |
| 31 | Based on the stable tunnel structure of C@K ₂ Ti ₆ O ₁₃ hybrid compositions for supercapacitor. <i>Electrochimica Acta</i> , 2017, 252, 498-506. | 2.6 | 7 |
| 32 | CuO Nanoflowers growing on Carbon Fiber Fabric for Flexible High-Performance Supercapacitors. <i>Electrochimica Acta</i> , 2016, 203, 1-8. | 2.6 | 121 |
| 33 | NiO nanoparticles supported on graphene 3D network current collector for high-performance electrochemical energy storage. <i>Electrochimica Acta</i> , 2016, 214, 68-75. | 2.6 | 29 |
| 34 | Hierarchical Porous Nanostructures of Manganese(III) Oxyhydroxide for All-Solid-State Flexible Supercapacitors. <i>Energy Technology</i> , 2016, 4, 1450-1454. | 1.8 | 11 |
| 35 | Charge storage in KCu ₇ S ₄ as redox active material for a flexible all-solid-state supercapacitor. <i>Nano Energy</i> , 2016, 19, 363-372. | 8.2 | 77 |
| 36 | Nanorod-aggregated flower-like CuO grown on a carbon fiber fabric for a super high sensitive non-enzymatic glucose sensor. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5777-5785. | 2.9 | 68 |

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|----|---|-----|-----------|
| 37 | Faradic redox active material of Cu ₇ S ₄ nanowires with a high conductance for flexible solid state supercapacitors. <i>Nanoscale</i> , 2015, 7, 13610-13618. | 2.8 | 134 |
| 38 | Enhanced output-power of nanogenerator by modifying PDMS film with lateral ZnO nanotubes and Ag nanowires. <i>RSC Advances</i> , 2015, 5, 32566-32571. | 1.7 | 22 |
| 39 | High performance solid state flexible supercapacitor based on molybdenum sulfide hierarchical nanospheres. <i>Journal of Power Sources</i> , 2015, 285, 63-69. | 4.0 | 357 |
| 40 | Folded Elastic Strip-Based Triboelectric Nanogenerator for Harvesting Human Motion Energy for Multiple Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20469-20476. | 4.0 | 50 |
| 41 | Î ² -NiMoO ₄ nanowire arrays grown on carbon cloth for 3D solid asymmetry supercapacitors. <i>RSC Advances</i> , 2015, 5, 107098-107104. | 1.7 | 24 |
| 42 | Pt nanoparticles supported on graphene three-dimensional network structure for effective methanol and ethanol oxidation. <i>Journal of Power Sources</i> , 2015, 273, 624-630. | 4.0 | 45 |
| 43 | MnO ₂ @KCu ₇ S ₄ NWs hybrid compositions for high-power all-solid-state supercapacitor. <i>Journal of Power Sources</i> , 2015, 274, 477-482. | 4.0 | 38 |
| 44 | A Flexible micro-supercapacitor based on a pen ink-carbon fiber thread. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19665-19669. | 5.2 | 69 |
| 45 | C@KCu ₇ S ₄ microstructure for solid-state supercapacitors. <i>RSC Advances</i> , 2014, 4, 40542-40545. | 1.7 | 10 |
| 46 | Different proportions of C/KCu ₇ S ₄ hybrid structure for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2014, 263, 175-180. | 4.0 | 25 |
| 47 | KCu ₇ S ₄ nanowires and the Mn/KCu ₇ S ₄ nanostructure for solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15530. | 5.2 | 43 |