

Shu-Ge Dai

List of Publications by Year in descending order

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47
papers

3,720
citations

186265
28
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214800
47
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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.	7.8	357
2	High-Performance Energy Storage and Conversion Materials Derived from a Single Metal-Organic Framework/Graphene Aerogel Composite. Nano Letters, 2017, 17, 2788-2795.	9.1	348
3	Anion and cation substitution in transition-metal oxides nanosheets for high-performance hybrid supercapacitors. Nano Energy, 2019, 57, 22-33.	16.0	279
4	A high-performance supercapacitor electrode based on N-doped porous graphene. Journal of Power Sources, 2018, 387, 43-48.	7.8	231
5	MOF-derived Ni -NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. Journal of Materials Chemistry A, 2018, 6, 4003-4012.	10.3	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.	18.0	225
7	Controlled synthesis of three-phase $\text{Ni}_2\text{S}_3/\text{rGO}$ nanoflake electrodes for hybrid supercapacitors with high energy and power density. Nano Energy, 2017, 33, 522-531.	16.0	211
8	Functionalized Bimetallic Hydroxides Derived from Metal-Organic Frameworks for High-Performance Hybrid Supercapacitor with Exceptional Cycling Stability. ACS Energy Letters, 2017, 2, 1263-1269.	17.4	167
9	Core-shell structured $\text{Fe}_2\text{O}_3/\text{Fe}_3\text{C}@\text{C}$ nanochains and Ni-Co carbonate hydroxide hybridized microspheres for high-performance battery-type supercapacitor. Journal of Power Sources, 2021, 482, 228915.	7.8	153
10	Faradic redox active material of Cu_7S_4 nanowires with a high conductance for flexible solid state supercapacitors. Nanoscale, 2015, 7, 13610-13618.	5.6	134
11	CuO Nanoflowers growing on Carbon Fiber Fabric for Flexible High-Performance Supercapacitors. Electrochimica Acta, 2016, 203, 1-8.	5.2	121
12	In situ Raman study of nickel bicarbonate for high-performance energy storage device. Nano Energy, 2019, 64, 103919.	16.0	112
13	3D printed rGO/CNT microlattice aerogel for a dendrite-free sodium metal anode. Journal of Materials Chemistry A, 2020, 8, 19843-19854.	10.3	82
14	Charge storage in KCu_7S_4 as redox active material for a flexible all-solid-state supercapacitor. Nano Energy, 2016, 19, 363-372.	16.0	77
15	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. Small, 2018, 14, e1800285.	10.0	75
16	A Flexible micro-supercapacitor based on a pen ink-carbon fiber thread. Journal of Materials Chemistry A, 2014, 2, 19665-19669.	10.3	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.	16.0	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.	5.8	68

#	ARTICLE	IF	CITATIONS
19	Controlled synthesis of KCu ₇ S ₄ /rGO nanocomposites for electrochemical energy storage. <i>Materials and Design</i> , 2020, 195, 108992.	7.0	61
20	Folded Elastic Strip-Based Triboelectric Nanogenerator for Harvesting Human Motion Energy for Multiple Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20469-20476.	8.0	50
21	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.	7.8	45
22	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.	5.6	45
23	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.	10.3	43
24	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.	7.8	38
25	Insight into faradaic mechanism of NiCo-CHH microspheres in high-performance Ni-Cu batteries. <i>Scripta Materialia</i> , 2022, 215, 114691.	5.2	34
26	Rational design of NiSe ₂ @rGO nanocomposites for advanced hybrid supercapacitors. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6155-6161.	5.8	31
27	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.	6.1	30
28	NiO nanoparticles supported on graphene 3D network current collector for high-performance electrochemical energy storage. <i>Electrochimica Acta</i> , 2016, 214, 68-75.	5.2	29
29	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.	5.5	26
30	Different proportions of C/KCu ₇ S ₄ hybrid structure for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2014, 263, 175-180.	7.8	25
31	K-preintercalated MnO ₂ nanosheets as cathode for high-performance Zn-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115529.	3.8	25
32	Î ² -NiMoO ₄ nanowire arrays grown on carbon cloth for 3D solid asymmetry supercapacitors. <i>RSC Advances</i> , 2015, 5, 107098-107104.	3.6	24
33	Enhanced output-power of nanogenerator by modifying PDMS film with lateral ZnO nanotubes and Ag nanowires. <i>RSC Advances</i> , 2015, 5, 32566-32571.	3.6	22
34	Controlled synthesis of NiSe-Ni _{0.85} Se nanocomposites for high-performance hybrid supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114795.	3.8	22
35	3D Mesoporous Ni(OH) ₂ /WS ₂ Nanofibers with Highly Enhanced Performances for Hybrid Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1800476.	3.8	21
36	Organic polysulfanes grafted on porous graphene as an electrode for high-performance lithium organosulfur batteries. <i>Journal of Power Sources</i> , 2021, 491, 229617.	7.8	21

#	ARTICLE	IF	CITATIONS
37	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.	18.0	18
38	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.	5.6	17
39	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.	3.6	16
40	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.	7.1	12
41	Hierarchical Porous Nanostructures of Manganese(III) Oxyhydroxide for All-Solid-State Flexible Supercapacitors. <i>Energy Technology</i> , 2016, 4, 1450-1454.	3.8	11
42	C@KC ₇ S ₄ microstructure for solid-state supercapacitors. <i>RSC Advances</i> , 2014, 4, 40542-40545.	3.6	10
43	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.	7.8	9
44	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.	6.1	9
45	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.	5.2	7
46	A Porous and Conductive Graphite Nanonetwork Forming on the Surface of KC ₇ S ₄ for Energy Storage. <i>Frontiers in Chemistry</i> , 2018, 6, 555.	3.6	6
47	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.	5.8	4