

Shude Liu

List of Publications by Year in descending order

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papers

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117453

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times ranked

4484
citing authors

#	ARTICLE	IF	CITATIONS
1	Flower-like Copper Cobaltite Nanosheets on Graphite Paper as High-Performance Supercapacitor Electrodes and Enzymeless Glucose Sensors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3258-3267.	4.0	325
2	Hierarchical MnCo-layered double hydroxides@Ni(OH) ₂ core-shell heterostructures as advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1043-1049.	5.2	296
3	Effect of cation substitution on the pseudocapacitive performance of spinel cobaltite MCo ₂ O ₄ (M = Mn, Ni, Cu, and Co). <i>Journal of Materials Chemistry A</i> , 2018, 6, 10674-10685.	5.2	266
4	Recent Advances in Vanadium-Based Aqueous Rechargeable Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000477.	10.2	265
5	Vertically stacked bilayer CuCo ₂ O ₄ /MnCo ₂ O ₄ heterostructures on functionalized graphite paper for high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8061-8071.	5.2	244
6	Structural engineering and surface modification of MOF-derived cobalt-based hybrid nanosheets for flexible solid-state supercapacitors. <i>Energy Storage Materials</i> , 2020, 32, 167-177.	9.5	228
7	Hierarchical manganese cobalt sulfide core-shell nanostructures for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2017, 342, 629-637.	4.0	221
8	New insight into the effect of fluorine doping and oxygen vacancies on electrochemical performance of Co ₂ MnO ₄ for flexible quasi-solid-state asymmetric supercapacitors. <i>Energy Storage Materials</i> , 2019, 22, 384-396.	9.5	189
9	Challenges and Strategies toward Cathode Materials for Rechargeable Potassium-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2004689.	11.1	188
10	Unlocking the Potential of Oxygen-Deficient Copper-Doped Co ₃ O ₄ Nanocrystals Confined in Carbon as an Advanced Electrode for Flexible Solid-State Supercapacitors. <i>ACS Energy Letters</i> , 2021, 6, 3011-3019.	8.8	173
11	Recent Advances and Perspectives of Battery-Type Anode Materials for Potassium Ion Storage. <i>ACS Nano</i> , 2021, 15, 18931-18973.	7.3	160
12	High-Performance Flexible Quasi-Solid-State Supercapacitors Realized by Molybdenum Dioxide@Nitrogen-Doped Carbon and Copper Cobalt Sulfide Tubular Nanostructures. <i>Advanced Science</i> , 2018, 5, 1800733.	5.6	156
13	Phosphorous-containing oxygen-deficient cobalt molybdate as an advanced electrode material for supercapacitors. <i>Energy Storage Materials</i> , 2019, 19, 186-196.	9.5	145
14	Conceptual design of three-dimensional CoN/Ni ₃ N-coupled nanograsses integrated on N-doped carbon to serve as efficient and robust water splitting electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4466-4476.	5.2	143
15	Dual-defect surface engineering of bimetallic sulfide nanotubes towards flexible asymmetric solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24053-24064.	5.2	133
16	Effect of fluorine doping and sulfur vacancies of CuCo ₂ S ₄ on its electrochemical performance in supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 390, 124643.	6.6	132
17	Carbonaceous Anode Materials for Non-aqueous Sodium- and Potassium-Ion Hybrid Capacitors. <i>ACS Energy Letters</i> , 2021, 6, 4127-4154.	8.8	129
18	Facile Synthesis of Microsphere Copper Cobalt Carbonate Hydroxides Electrode for Asymmetric Supercapacitor. <i>Electrochimica Acta</i> , 2016, 188, 898-908.	2.6	126

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19	Honeycomb-Like Interconnected Network of Nickel Phosphide Heteronanoparticles with Superior Electrochemical Performance for Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 21829-21838.	4.0	123
20	Amorphous Phosphorus-Incorporated Cobalt Molybdenum Sulfide on Carbon Cloth: An Efficient and Stable Electrocatalyst for Enhanced Overall Water Splitting over Entire pH Values. ACS Applied Materials & Interfaces, 2017, 9, 37739-37749.	4.0	122
21	^{18}O Hierarchical MnCo_2O_4 Nanowire@ MnO_2 Sheet Core-Shell Arrays on Graphite Paper as Superior Electrodes for Asymmetric Supercapacitors. ChemNanoMat, 2015, 1, 593-602.	1.5	111
22	Atomic-Level Platinum Filling into Ni Vacancies of Dual-Deficient NiO for Boosting Electrocatalytic Hydrogen Evolution. Advanced Energy Materials, 2022, 12, .	10.2	110
23	Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. Journal of Materials Chemistry A, 2017, 5, 4543-4549.	5.2	105
24	Mixed-phase bismuth ferrite nanoflake electrodes for supercapacitor application. Applied Nanoscience (Switzerland), 2016, 6, 511-519.	1.6	92
25	Phosphorus Regulated Cobalt Oxide@Nitrogen-Doped Carbon Nanowires for Flexible Quasi-Solid-State Supercapacitors. Small, 2020, 16, e1906458.	5.2	90
26	Realizing Superior Redox Kinetics of Hollow Bimetallic Sulfide Nanoarchitectures by Defect-Induced Manipulation toward Flexible Solid-State Supercapacitors. Small, 2022, 18, e2104507.	5.2	85
27	Phosphorus dual-site driven CoS_2 @S, N co-doped porous carbon nanosheets for flexible quasi-solid-state supercapacitors. Journal of Materials Chemistry A, 2019, 7, 26618-26630.	5.2	82
28	Phosphorus-Mediated MoS_2 Nanowires as a High-Performance Electrode Material for Quasi-Solid-State Sodium-Ion Intercalation Supercapacitors. Small, 2019, 15, e1803984.	5.2	81
29	Cobalt carbonate hydroxides as advanced battery-type materials for supercapacitors: Influence of morphology on performance. Electrochimica Acta, 2018, 259, 1037-1044.	2.6	70
30	Ultrathin nanosheet-assembled nickel-based metal-organic framework microflowers for supercapacitor applications. Chemical Communications, 2022, 58, 1009-1012.	2.2	68
31	3D yolk-shell NiGa_2S_4 microspheres confined with nanosheets for high performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 6292-6298.	5.2	52
32	An asymmetric supercapacitor with excellent cycling performance realized by hierarchical porous NiGa_2O_4 nanosheets. Journal of Materials Chemistry A, 2017, 5, 19046-19053.	5.2	48
33	Potentiodynamic polarization assisted phosphorus-containing amorphous trimetal hydroxide nanofibers for highly efficient hybrid supercapacitors. Journal of Materials Chemistry A, 2020, 8, 5721-5733.	5.2	38
34	Nickel hydroxide/chemical vapor deposition-grown graphene/nickel hydroxide/nickel foam hybrid electrode for high performance supercapacitors. Electrochimica Acta, 2019, 297, 479-487.	2.6	37
35	Defect engineering induced heterostructure of Zn-birnessite@spinel ZnMn_2O_4 nanocrystal for flexible asymmetric supercapacitor. Chemical Engineering Journal, 2022, 430, 133115.	6.6	32
36	An unexpected phase-transformation of cobalt-vanadium layered double hydroxides toward high energy density hybrid supercapacitor. Journal of Power Sources, 2021, 486, 229341.	4.0	25

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37	Boosting capacitive performance of manganese oxide nanorods by decorating with three-dimensional crushed graphene. <i>Nano Convergence</i> , 2022, 9, 10.	6.3	23
38	A systematic approach to achieve high energy density hybrid supercapacitors based on Ni ²⁺ /Co ²⁺ /Fe hydroxide. <i>Electrochimica Acta</i> , 2020, 353, 136578.	2.6	22
39	Photovoltaic-powered supercapacitors for driving overall water splitting: A dual-modulated 3D architecture. , 2022, 4, 1262-1273.		21
40	Temperature influenced chemical growth of hydrous copper oxide/hydroxide thin film electrodes for high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 701, 1009-1018.	2.8	18
41	Interfacial Assembled CeO ₂ /Co@N-Doped Carbon Hollow Nanohybrids for High-Performance Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14451-14460.	3.2	16
42	Simultaneous integration of low-level rhenium (Re) doping and nitrogen-functionalized 3D carbon backbone into nickel-iron hydroxide (NiFeOH) to amplify alkaline water electrolysis at high current densities. <i>Chemical Engineering Journal</i> , 2022, 435, 135184.	6.6	13
43	N-doped hollow carbon nanoplates with mesoporous thin shells towards high-performance supercapacitors. <i>Journal of Power Sources</i> , 2022, 542, 231776.	4.0	12
44	Morphology-inspired low-temperature liquefied petroleum gas sensors of indium oxide. <i>Scripta Materialia</i> , 2015, 107, 54-58.	2.6	9
45	CeO _{2-x} quantum dots decorated nitrogen-doped hollow porous carbon for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 147-155.	5.0	9
46	Cu ₂ O/Cu ₂ Se Mixed-Phase Nanoflake Arrays: pH-Universal Hydrogen Evolution Reactions with Ultralow Overpotential. <i>ChemElectroChem</i> , 2019, 6, 5014-5021.	1.7	8
47	Strong Jahn-Teller effect at NiO ₄ tetrahedron in NiCo ₂ O ₄ spinel. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126114.	0.9	4
48	Phosphorus-Mediated MoS ₂ : Phosphorus-Mediated MoS ₂ Nanowires as a High-Performance Electrode Material for Quasi-Solid-State Sodium-Ion Intercalation Supercapacitors (<i>Small</i> 4/2019). <i>Small</i> , 2019, 15, 1970026.	5.2	3