

Shaofeng Li

List of Publications by Year in descending order

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52
papers

4,793
citations

147566

31
h-index

182168

51
g-index

53
all docs

53
docs citations

53
times ranked

6198
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of inert copper for significantly enhanced hydrogen evolution behaviors by trace ruthenium doping. <i>Nano Energy</i> , 2022, 92, 106763.	8.2	38
2	Thermal-healing of lattice defects for high-energy single-crystalline battery cathodes. <i>Nature Communications</i> , 2022, 13, 704.	5.8	33
3	Mismatching integration-enabled strains and defects engineering in LDH microstructure for high-rate and long-life charge storage. <i>Nature Communications</i> , 2022, 13, 1409.	5.8	42
4	Toward commercial-level mass-loading electrodes for supercapacitors: opportunities, challenges and perspectives. <i>Energy and Environmental Science</i> , 2021, 14, 576-601.	15.6	166
5	Operando Tailoring of Defects and Strains in Corrugated $\text{Ni}(\text{OH})_2$ Nanosheets for Stable and High-Rate Energy Storage. <i>Advanced Materials</i> , 2021, 33, e2006147.	11.1	44
6	A closed-loop and scalable process for the production of biomass-derived superhydrophilic carbon for supercapacitors. <i>Green Chemistry</i> , 2021, 23, 3400-3409.	4.6	80
7	A Hierarchical-Structured Impeller with Engineered Pd Nanoparticles Catalyzing Suzuki Coupling Reactions for High-Purity Biphenyl. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17429-17438.	4.0	16
8	Reversible Mn/Cr dual redox in cation-disordered Li-excess cathode materials for stable lithium ion batteries. <i>Acta Materialia</i> , 2021, 212, 116935.	3.8	16
9	Multiphase, Multiscale Chemomechanics at Extreme Low Temperatures: Battery Electrodes for Operation in a Wide Temperature Range. <i>Advanced Energy Materials</i> , 2021, 11, 2102122.	10.2	27
10	Operando leaching of pre-incorporated Al and mechanism in transition-metal hybrids on carbon substrates for enhanced charge storage. <i>Matter</i> , 2021, 4, 2902-2918.	5.0	22
11	Ultrafast construction of interfacial sites by wet chemical etching to enhance electrocatalytic oxygen evolution. <i>Nano Energy</i> , 2020, 69, 104367.	8.2	58
12	Insights into the electronic origin of enhancing the catalytic activity of Co_3O_4 for oxygen evolution by single atom ruthenium. <i>Nano Today</i> , 2020, 34, 100955.	6.2	29
13	Mutual modulation between surface chemistry and bulk microstructure within secondary particles of nickel-rich layered oxides. <i>Nature Communications</i> , 2020, 11, 4433.	5.8	78
14	Ultrafast Construction of Oxygen-Containing Scaffold over Graphite for Trapping Ni^{2+} into Single Atom Catalysts. <i>ACS Nano</i> , 2020, 14, 11662-11669.	7.3	20
15	Depth-dependent valence stratification driven by oxygen redox in lithium-rich layered oxide. <i>Nature Communications</i> , 2020, 11, 6342.	5.8	34
16	Halide-based solid-state electrolyte as an interfacial modifier for high performance solid-state Li-O_2 batteries. <i>Nano Energy</i> , 2020, 75, 105036.	8.2	45
17	Boosting charge storage in 1D manganese oxide-carbon composite by phosphorus-assisted structural modification for supercapacitor applications. <i>Energy Storage Materials</i> , 2020, 31, 172-180.	9.5	30
18	Operando Revealing Dynamic Reconstruction of NiCo Carbonate Hydroxide for High-Rate Energy Storage. <i>Joule</i> , 2020, 4, 673-687.	11.7	88

#	ARTICLE	IF	CITATIONS
19	Decoupling and correlating the ion transport by engineering 2D carbon nanosheets for enhanced charge storage. <i>Nano Energy</i> , 2019, 64, 103921.	8.2	90
20	Surface-to-Bulk Redox Coupling through Thermally Driven Li Redistribution in Li- and Mn-Rich Layered Cathode Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 12079-12086.	6.6	47
21	Multilevel Coupled Hybrids Made of Porous Cobalt Oxides and Graphene for High-Performance Lithium Storage. <i>Chemistry - A European Journal</i> , 2019, 25, 5527-5533.	1.7	6
22	Activation of transition metal oxides by in-situ electro-regulated structure-reconstruction for ultra-efficient oxygen evolution. <i>Nano Energy</i> , 2019, 58, 778-785.	8.2	81
23	A Universal Converse Voltage Process for Triggering Transition Metal Hybrids In Situ Phase Restruction toward Ultrahigh-Rate Supercapacitors. <i>Advanced Materials</i> , 2019, 31, e1901241.	11.1	81
24	Trace doping of multiple elements enables stable battery cycling of LiCoO ₂ at 4.6%V. <i>Nature Energy</i> , 2019, 4, 594-603.	19.8	572
25	Polyethyleneimine-Mediated Fabrication of Two-Dimensional Cobalt Sulfide/Graphene Hybrid Nanosheets for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26235-26242.	4.0	35
26	A Phase Transformation-Resistant Electrode Enabled by a MnO ₂ -Confined Effect for Enhanced Energy Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1901342.	7.8	18
27	Phase controllable synthesis of Ni ²⁺ post-modified CoP nanowire for enhanced oxygen evolution. <i>Nano Energy</i> , 2019, 62, 136-143.	8.2	66
28	A recyclable route to produce biochar with a tailored structure and surface chemistry for enhanced charge storage. <i>Green Chemistry</i> , 2019, 21, 2095-2103.	4.6	23
29	Electrochemically Driven Coordination Tuning of FeOOH Integrated on Carbon Fiber Paper for Enhanced Oxygen Evolution. <i>Small</i> , 2019, 15, e1901015.	5.2	46
30	Strategies and insights towards the intrinsic capacitive properties of MnO ₂ for supercapacitors: Challenges and perspectives. <i>Nano Energy</i> , 2019, 57, 459-472.	8.2	232
31	An electrocatalyst with anti-oxidized capability for overall water splitting. <i>Nano Research</i> , 2018, 11, 3411-3418.	5.8	16
32	Microporous MOFs Engaged in the Formation of Nitrogen-Doped Mesoporous Carbon Nanosheets for High-Rate Supercapacitors. <i>Chemistry - A European Journal</i> , 2018, 24, 2681-2686.	1.7	21
33	Phosphate Species up to 70% Mass Ratio for Enhanced Pseudocapacitive Properties. <i>Small</i> , 2018, 14, e1803811.	5.2	29
34	Surface-Confined Fabrication of Ultrathin Nickel Cobalt-Layered Double Hydroxide Nanosheets for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1803272.	7.8	215
35	Ultrahigh-Capacity and Long-Life Lithium-Metal Batteries Enabled by Engineering Carbon Nanofiber-Stabilized Graphene Aerogel Film Host. <i>Small</i> , 2018, 14, e1803310.	5.2	48
36	Graphite-graphene architecture stabilizing ultrafine Co ₃ O ₄ nanoparticles for superior oxygen evolution. <i>Carbon</i> , 2018, 140, 17-23.	5.4	20

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37	Decoupling atomic-layer-deposition ultrafine RuO ₂ for high-efficiency and ultralong-life Li-O ₂ batteries. Nano Energy, 2017, 34, 399-407.	8.2	63
38	Iron-tuned super nickel phosphide microstructures with high activity for electrochemical overall water splitting. Nano Energy, 2017, 34, 472-480.	8.2	258
39	Ultrafine MoO ₂ @Carbon Microstructures Enable Ultralong-Life Power-Type Sodium Ion Storage by Enhanced Pseudocapacitance. Advanced Energy Materials, 2017, 7, 1602880.	10.2	306
40	A superhydrophilic nanoglue for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. Energy and Environmental Science, 2017, 10, 1958-1965.	15.6	294
41	Supercapacitors: High-Stacking-Density, Superior-Roughness LDH Bridged with Vertically Aligned Graphene for High-Performance Asymmetric Supercapacitors (Small 37/2017). Small, 2017, 13, .	5.2	1
42	Sodium-Ion Batteries: Ultrafine MoO ₂ @Carbon Microstructures Enable Ultralong-Life Power-Type Sodium Ion Storage by Enhanced Pseudocapacitance (Adv. Energy Mater. 15/2017). Advanced Energy Materials, 2017, 7, .	10.2	2
43	Enhanced sodium storage capability enabled by super wide-interlayer-spacing MoS ₂ integrated on carbon fibers. Nano Energy, 2017, 41, 66-74.	8.2	273
44	High-Stacking-Density, Superior-Roughness LDH Bridged with Vertically Aligned Graphene for High-Performance Asymmetric Supercapacitors. Small, 2017, 13, 1701288.	5.2	83
45	Interface Engineering of Ni ₃ N@Fe ₃ N Heterostructure Supported on Carbon Fiber for Enhanced Water Oxidation. Industrial & Engineering Chemistry Research, 2017, 56, 14245-14251.	1.8	35
46	Starch Derived Porous Carbon Nanosheets for High-Performance Photovoltaic Capacitive Deionization. Environmental Science & Technology, 2017, 51, 9244-9251.	4.6	120
47	Ultrathin Nitrogen-Enriched Hybrid Carbon Nanosheets for Supercapacitors with Ultrahigh Rate Performance and High Energy Density. ChemElectroChem, 2017, 4, 369-375.	1.7	32
48	High performance asymmetric capacitive mixing with oppositely charged carbon electrodes for energy production from salinity differences. Journal of Materials Chemistry A, 2017, 5, 20374-20380.	5.2	31
49	Bridging of Ultrathin NiCo ₂ O ₄ Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. Chemistry of Materials, 2016, 28, 5855-5863.	3.2	116
50	Ultrasmall diiron phosphide nanodots anchored on graphene sheets with enhanced electrocatalytic activity for hydrogen production via high-efficiency water splitting. Journal of Materials Chemistry A, 2016, 4, 16028-16035.	5.2	44
51	Electroactive edge site-enriched nickel-cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. Energy and Environmental Science, 2016, 9, 1299-1307.	15.6	623
52	<i>Operando</i> Leaching of Pre-Incorporated Al and Mechanism in Transition Metal Hybrids for Elaborately Enhanced Charge Storage. SSRN Electronic Journal, 0, , .	0.4	0