

Yun Song

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	General Synthesis of Dual Carbon-Confined Metal Sulfides Quantum Dots Toward High-Performance Anodes for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1702046.	14.9	259
2	Tuning P2-Structured Cathode Material by Na-Site Mg Substitution for Na-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 840-848.	13.7	255
3	Rational Construction of Nitrogen-Doped Hierarchical Dual-Carbon for Advanced Potassium-Ion Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2020, 10, 1904045.	19.5	197
4	<i>In Situ</i> Growth of Layered Bimetallic ZnCo Hydroxide Nanosheets for High-Performance All-Solid-State Pseudocapacitor. <i>ACS Nano</i> , 2018, 12, 2968-2979.	14.6	193
5	Charge Transfer in Ultrafine LDH Nanosheets/Graphene Interface with Superior Capacitive Energy Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37645-37654.	8.0	134
6	Embedding ZnSe nanodots in nitrogen-doped hollow carbon architectures for superior lithium storage. <i>Nano Research</i> , 2018, 11, 966-978.	10.4	114
7	Pseudocapacitance-tuned high-rate and long-term cyclability of NiCo ₂ S ₄ hexagonal nanosheets prepared by vapor transformation for lithium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9022-9031.	10.3	87
8	Nitrogen-doped hollow carbon nanospheres towards the application of potassium ion storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19305-19315.	10.3	83
9	Inside or Outside: Origin of Lithium Dendrite Formation of All Solid-State Electrolytes. <i>Advanced Energy Materials</i> , 2019, 9, 1902123.	19.5	76
10	Tuning Pseudocapacitance via S Bonding in WS ₂ Nanorods Anchored on N,S Codoped Graphene for High-Power Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13606-13613.	8.0	62
11	Tailor-Made Gives the Best Fits: Superior Na/K-Ion Storage Performance in Exclusively Confined Red Phosphorus System. <i>ACS Nano</i> , 2020, 14, 12222-12233.	14.6	55
12	Rapid Amorphization in Metastable CoSeO ₃ ·H ₂ O Nanosheets for Ultrafast Lithiation Kinetics. <i>ACS Nano</i> , 2018, 12, 5011-5020.	14.6	53
13	Flower-Like Interlayer-Expanded MoS ₂ Nanosheets Confined in Hollow Carbon Spheres with High-Efficiency Electrocatalysis Sites for Advanced Sodium-Sulfur Battery. <i>Small</i> , 2021, 17, e2101879.	10.0	53
14	Bottom-up Approach Design, Band Structure, and Lithium Storage Properties of Atomically Thin β -FeOOH Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21334-21342.	8.0	49
15	Rooting bismuth oxide nanosheets into porous carbon nanoboxes as a sulfur immobilizer for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7074-7081.	10.3	48
16	CuGaS ₂ nanoplates: a robust and self-healing anode for Li/Na ion batteries in a wide temperature range of 268-318 K. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1086-1093.	10.3	44
17	Superior Destabilization Effects of MnF ₂ over MnCl ₂ in the Decomposition of LiBH ₄ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 13528-13533.	3.1	40
18	Ni, beyond thermodynamic tuning, maintains the catalytic activity of V species in Ni ₃ (VO ₄) ₂ doped MgH ₂ . <i>Journal of Materials Chemistry A</i> , 2021, 9, 8341-8349.	10.3	37

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19	Respective Roles of Inner and Outer Carbon in Boosting the K ⁺ Storage Performance of Dual-Confined ZnSe. <i>Advanced Science</i> , 2022, 9, e2104822.	11.2	35
20	Lower ammoniation activation energy of CoN nanosheets by Mn doping with superior energy storage performance for secondary ion batteries. <i>Nanoscale</i> , 2018, 10, 5581-5590.	5.6	31
21	Carbon nanomaterial-assisted morphological tuning for thermodynamic and kinetic destabilization in sodium alanates. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5238.	10.3	30
22	Superabsorbing Metasurfaces with Hybrid Ag@Au Nanostructures for Surface-Enhanced Raman Spectroscopy Sensing of Drugs and Chemicals. <i>Small Methods</i> , 2018, 2, 1800045.	8.6	29
23	Solution-Growth Strategy for Large-Scale CuGaO ₂ Nanoplate/ZnS Microsphere Heterostructure Arrays with Enhanced UV Adsorption and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1701066.	14.9	27
24	Exploring the sodium ion storage mechanism of gallium sulfide (Ga ₂ S ₃): a combined experimental and theoretical approach. <i>Nanoscale</i> , 2019, 11, 3208-3215.	5.6	24
25	Li-triggered superior catalytic activity of V in Li ₃ VO ₄ : enabling fast and full hydrogenation of Mg at lower temperatures. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14935-14943.	10.3	24
26	Template-guided synthesis of porous MoN microrod as an effective sulfur host for high-performance Lithium-Sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155764.	5.5	22
27	Facile self-assembly of light metal borohydrides with controllable nanostructures. <i>RSC Advances</i> , 2014, 4, 983-986.	3.6	19
28	Fast hydrogen-induced optical and electrical transitions of Mg and Mg-Ni films with amorphous structure. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	17
29	Activity-Tuning of Supported Co-Ni Nanocatalysts via Composition and Morphology for Hydrogen Storage in MgH ₂ . <i>Frontiers in Chemistry</i> , 2019, 7, 937.	3.6	17
30	Stable three-dimensional metal hydride anodes for solid-state lithium storage. <i>Energy Storage Materials</i> , 2019, 18, 423-428.	18.0	16
31	Effect of heteroatom doping and morphology tuning of CNT-derived material for potassium-ion hybrid capacitors. <i>Chemical Engineering Journal</i> , 2021, 410, 128421.	12.7	14
32	Revealing the Role of Liquid Metals at the Anode-Electrolyte Interface for All Solid-State Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38232-38240.	8.0	13
33	Two-Dimensional CuGaSe ₂ @ZnSe-NC Heterostructures for Enhanced Sodium Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 2761-2768.	5.1	13
34	Turning bulk materials into 0D, 1D and 2D metallic nanomaterials by selective aqueous corrosion. <i>Chemical Communications</i> , 2019, 55, 10476-10479.	4.1	12
35	Improved Low-Temperature Performance of Rocking-Chair Sodium-Ion Hybrid Capacitor by Mitigating the Desolvation Energy and Interphase Resistance. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	12
36	Controlled phase evolution from Cu _{0.33} Co _{0.67} S ₂ to Cu ₃ Co ₆ S ₈ hexagonal nanosheets as oxygen evolution reaction catalysts. <i>RSC Advances</i> , 2019, 9, 9729-9736.	3.6	11

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37	Probing the atomic interaction between zinc clusters and defective carbon in promoting the wide temperature applications of lithium-sulfur battery. <i>Energy Storage Materials</i> , 2021, 41, 703-714.	18.0	10
38	Rod-shaped monoclinic CoMo ₂ S ₄ with exceptionally reversible phase conversion for sodium storage. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155613.	5.5	10
39	A novel composite strategy to build a sub-zero temperature stable anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9051-9058.	10.3	9
40	Effect of acetic acid on electrochemical deposition of carbon-nitride thin film. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1698-1702.	0.9	7
41	Uniform gallium oxyhydroxide nanorod anodes with superior lithium-ion storage. <i>RSC Advances</i> , 2019, 9, 34896-34901.	3.6	7
42	Lithium Dendrites: Inside or Outside: Origin of Lithium Dendrite Formation of All Solid-State Electrolytes (<i>Adv. Energy Mater.</i> 40/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970155.	19.5	4
43	Less Is More: High-Performance All-Solid-State Electrode Enabled by Multifunctional MXene. <i>ACS Applied Energy Materials</i> , 2022, 5, 7210-7219.	5.1	4
44	Cu _{0.33} Co _{0.67} S ₂ Hexagonal Sheets with 2D Hierarchical Structures for High-Rate and Long-Term Lithium Storage. <i>ChemNanoMat</i> , 2019, 5, 531-538.	2.8	3
45	Sensors: Superabsorbing Metasurfaces with Hybrid Ag-Au Nanostructures for Surface-Enhanced Raman Spectroscopy Sensing of Drugs and Chemicals (<i>Small Methods</i> 7/2018). <i>Small Methods</i> , 2018, 2, 1800037.	8.6	0