Yun Song

List of Publications by Year
in descending order

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45 papers	2,262 citations	257450 24 h-index	233421 45 g-index
46 all docs	46 docs citations	46 times ranked	3234 citing authors

#	Article	IF	Citations
1	Respective Roles of Inner and Outer Carbon in Boosting the K⁺ Storage Performance of Dualâ€Carbonâ€Confined ZnSe. Advanced Science, 2022, 9, e2104822.	11.2	35
2	Improved Lowâ€Temperature Performance of Rockingâ€Chair Sodiumâ€Ion Hybrid Capacitor by Mitigating the Deâ€Solvation Energy and Interphase Resistance. Advanced Functional Materials, 2022, 32, .	14.9	12
3	Less Is More: High-Performance All-Solid-State Electrode Enabled by Multifunctional MXene. ACS Applied Energy Materials, 2022, 5, 7210-7219.	5.1	4
4	Ni, beyond thermodynamic tuning, maintains the catalytic activity of V species in Ni₃(VO₄)₂ doped MgH₂. Journal of Materials Chemistry A, 2021, 9, 8341-8349.	10.3	37
5	Two-Dimensional CuGaSe₂@ZnSe-NC Heterostructures for Enhanced Sodium Ion Storage. ACS Applied Energy Materials, 2021, 4, 2761-2768.	5.1	13
6	Effect of heteroatom doping and morphology tuning of CNT-derived material for potassium-ion hybrid capacitors. Chemical Engineering Journal, 2021, 410, 128421.	12.7	14
7	Flowerâ€Like Interlayerâ€Expanded MoS_{2â^'}_x Nanosheets Confined in Hollow Carbon Spheres with Highâ€Efficiency Electrocatalysis Sites for Advanced Sodiumâ€“Sulfur Battery. Small, 2021, 17, e2101879.	10.0	53
8	Probing the atomic interaction between zinc clusters and defective carbon in promoting the wide temperature applications of lithium-sulfur battery. Energy Storage Materials, 2021, 41, 703-714.	18.0	10
9	Revealing the Role of Liquid Metals at the Anodeâ€“Electrolyte Interface for All Solid-State Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 38232-38240.	8.0	13
10	Tailor-Made Gives the Best Fits: Superior Na/K-Ion Storage Performance in Exclusively Confined Red Phosphorus System. ACS Nano, 2020, 14, 12222-12233.	14.6	55
11	Template-guided synthesis of porous MoN microrod as an effective sulfur host for high-performance Lithiumâ€“Sulfur batteries. Journal of Alloys and Compounds, 2020, 842, 155764.	5.5	22
12	Li-triggered superior catalytic activity of V in Li₃VO₄: enabling fast and full hydrogenation of Mg at lower temperatures. Journal of Materials Chemistry A, 2020, 8, 14935-14943.	10.3	24
13	Rational Construction of Nitrogenâ€Doped Hierarchical Dualâ€Carbon for Advanced Potassiumâ€Ion Hybrid Capacitors. Advanced Energy Materials, 2020, 10, 1904045.	19.5	197
14	Rod-shaped monoclinic CoMo2S4 with exceptionally reversible phase conversion for sodium storage. Journal of Alloys and Compounds, 2020, 838, 155613.	5.5	10
15	Turning bulk materials into 0D, 1D and 2D metallic nanomaterials by selective aqueous corrosion. Chemical Communications, 2019, 55, 10476-10479.	4.1	12
16	Nitrogen-doped hollow carbon nanospheres towards the application of potassium ion storage. Journal of Materials Chemistry A, 2019, 7, 19305-19315.	10.3	83
17	Inside or Outside: Origin of Lithium Dendrite Formation of All Solidâ€State Electrolytes. Advanced Energy Materials, 2019, 9, 1902123.	19.5	76
18	Lithium Dendrites: Inside or Outside: Origin of Lithium Dendrite Formation of All Solidâ€State Electrolytes (Adv. Energy Mater. 40/2019). Advanced Energy Materials, 2019, 9, 1970155.	19.5	4

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19	Stable three-dimensional metal hydride anodes for solid-state lithium storage. Energy Storage Materials, 2019, 18, 423-428.	18.0	16
20	Exploring the sodium ion storage mechanism of gallium sulfide (Ga₂S₃): a combined experimental and theoretical approach. Nanoscale, 2019, 11, 3208-3215.	5.6	24
21	A novel composite strategy to build a sub-zero temperature stable anode for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 9051-9058.	10.3	9
22	Controlled phase evolution from Cu_{0.33}Co_{0.67}S₂ to Cu₃Co₆S₈ hexagonal nanosheets as oxygen evolution reaction catalysts. RSC Advances, 2019, 9, 9729-9736.	3.6	11
23	Rooting bismuth oxide nanosheets into porous carbon nanoboxes as a sulfur immobilizer for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 7074-7081.	10.3	48
24	Uniform gallium oxyhydroxide nanorod anodes with superior lithium-ion storage. RSC Advances, 2019, 9, 34896-34901.	3.6	7
25	Tuning P2-Structured Cathode Material by Na-Site Mg Substitution for Na-Ion Batteries. Journal of the American Chemical Society, 2019, 141, 840-848.	13.7	255
26	Cu 0.33 Co 0.67 S 2 Hexagonal Sheets with 2D Hierarchical Structures for Highâ€Rate and Longâ€Term Lithium Storage. ChemNanoMat, 2019, 5, 531-538.	2.8	3
27	Activity-Tuning of Supported Coâ€“Ni Nanocatalysts via Composition and Morphology for Hydrogen Storage in MgH2. Frontiers in Chemistry, 2019, 7, 937.	3.6	17
28	In Situ Growth of Layered Bimetallic ZnCo Hydroxide Nanosheets for High-Performance All-Solid-State Pseudocapacitor. ACS Nano, 2018, 12, 2968-2979.	14.6	193
29	Rapid Amorphization in Metastable CoSeO₃·H₂O Nanosheets for Ultrafast Lithiation Kinetics. ACS Nano, 2018, 12, 5011-5020.	14.6	53
30	Lower ammoniation activation energy of CoN nanosheets by Mn doping with superior energy storage performance for secondary ion batteries. Nanoscale, 2018, 10, 5581-5590.	5.6	31
31	Tuning Pseudocapacitance via Câ€“S Bonding in WS₂ Nanorods Anchored on N,S Codoped Graphene for High-Power Lithium Batteries. ACS Applied Materials & Interfaces, 2018, 10, 13606-13613.	8.0	62
32	CuGaS₂nanoplates: a robust and self-healing anode for Li/Na ion batteries in a wide temperature range of 268â€“318 K. Journal of Materials Chemistry A, 2018, 6, 1086-1093.	10.3	44
33	Embedding ZnSe nanodots in nitrogen-doped hollow carbon architectures for superior lithium storage. Nano Research, 2018, 11, 966-978.	10.4	114
34	Sensors: Superabsorbing Metasurfaces with Hybrid Ag-Au Nanostructures for Surface-Enhanced Raman Spectroscopy Sensing of Drugs and Chemicals (Small Methods 7/2018). Small Methods, 2018, 2, 1800037.	8.6	0
35	Superabsorbing Metasurfaces with Hybrid Agâ€“Au Nanostructures for Surfaceâ€Enhanced Raman Spectroscopy Sensing of Drugs and Chemicals. Small Methods, 2018, 2, 1800045.	8.6	29
36	Solutionâ€Growth Strategy for Largeâ€Scale â€œCuGaO₂ Nanoplate/ZnS Microsphereâ€• Heterostructure Arrays with Enhanced UV Adsorption and Optoelectronic Properties. Advanced Functional Materials, 2017, 27, 1701066.	14.9	27

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37	Pseudocapacitance-tuned high-rate and long-term cyclability of NiCo₂S₄ hexagonal nanosheets prepared by vapor transformation for lithium storage. Journal of Materials Chemistry A, 2017, 5, 9022-9031.	10.3	87
38	Charge Transfer in Ultrafine LDH Nanosheets/Graphene Interface with Superior Capacitive Energy Storage Performance. ACS Applied Materials & Interfaces, 2017, 9, 37645-37654.	8.0	134
39	General Synthesis of Dual Carbonâ€Confined Metal Sulfides Quantum Dots Toward Highâ€Performance Anodes for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1702046.	14.9	259
40	Bottom-up Approach Design, Band Structure, and Lithium Storage Properties of Atomically Thin Î³-FeOOH Nanosheets. ACS Applied Materials & Interfaces, 2016, 8, 21334-21342.	8.0	49
41	Facile self-assembly of light metal borohydrides with controllable nanostructures. RSC Advances, 2014, 4, 983-986.	3.6	19
42	Carbon nanomaterial-assisted morphological tuning for thermodynamic and kinetic destabilization in sodium alanates. Journal of Materials Chemistry A, 2013, 1, 5238.	10.3	30
43	Fast hydrogen-induced optical and electrical transitions of Mg and Mg-Ni films with amorphous structure. Applied Physics Letters, 2013, 102, .	3.3	17
44	Superior Destabilization Effects of MnF₂ over MnCl₂ in the Decomposition of LiBH₄. Journal of Physical Chemistry C, 2011, 115, 13528-13533.	3.1	40
45	Effect of acetic acid on electrochemical deposition of carbon-nitride thin film. Science in China Series D: Earth Sciences, 2009, 52, 1698-1702.	0.9	7