

# Ya-hui Zhang

## List of Publications by Year in descending order

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31  
papers

1,013  
citations

394421

19  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

851  
citing authors

#	ARTICLE	IF	CITATIONS
1	A nanosized SnSb alloy confined in N-doped 3D porous carbon coupled with ether-based electrolytes toward high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14309-14318.	10.3	157
2	Rational design of flower-like FeCo <sub>2</sub> S <sub>4</sub> /reduced graphene oxide films: Novel binder-free electrodes with ultra-high conductivity flexible substrate for high-performance all-solid-state pseudocapacitor. <i>Chemical Engineering Journal</i> , 2020, 381, 122695.	12.7	131
3	Cu-doped layered P2-type Na <sub>0.67</sub> Ni <sub>0.33-x</sub> Cu <sub>x</sub> Mn <sub>0.67</sub> O <sub>2</sub> cathode electrode material with enhanced electrochemical performance for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 404, 126578.	12.7	53
4	Hierarchically nitrogen-doped carbon wrapped Ni <sub>0.6</sub> Fe <sub>0.4</sub> Se <sub>2</sub> binary-metal selenide nanocubes with extraordinary rate performance and high pseudocapacitive contribution for sodium-ion anodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1610-1622.	10.3	52
5	BiSb@Bi <sub>2</sub> O <sub>3</sub> /SbO <sub>x</sub> encapsulated in porous carbon as anode materials for sodium/potassium-ion batteries with a high pseudocapacitive contribution. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 429-438.	9.4	47
6	Rational Design of Yolk-Shell Zn <sub>1-x</sub> Co <sub>x</sub> Se@N-Doped Dual Carbon Architectures as Long-Life and High-Rate Anodes for Half/Full Na-ion Batteries. <i>Small</i> , 2021, 17, e2101887.	10.0	46
7	Walnut septum-derived hierarchical porous carbon for ultra-high-performance supercapacitors. <i>Rare Metals</i> , 2022, 41, 2280-2291.	7.1	46
8	Sulfur-doped 3D hierarchical porous carbon network toward excellent potassium-ion storage performance. <i>Rare Metals</i> , 2021, 40, 2464-2473.	7.1	41
9	Optimization of Synergistic Leaching of Valuable Metals from Spent Lithium-Ion Batteries by the Sulfuric Acid-Malonic Acid System Using Response Surface Methodology. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 11359-11374.	8.0	38
10	Stable Electrochemical Properties of Magnesium-Doped Co-Free Layered P2-Type Na <sub>0.67</sub> Ni <sub>0.33</sub> Mn <sub>0.67</sub> O <sub>2</sub> Cathode Material for Sodium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4994-5004.	6.7	38
11	Novel P2-type layered medium-entropy ceramics oxide as cathode material for sodium-ion batteries. <i>Journal of Advanced Ceramics</i> , 2022, 11, 158-171.	17.4	35
12	Cleaner and effective recovery of metals and synthetic lithium-ion batteries from extracted vanadium residue through selective leaching. <i>Journal of Power Sources</i> , 2021, 482, 228970.	7.8	31
13	A Simple and Low-Cost Method to Synthesize Cr-Doped Fe <sub>2</sub> O <sub>3</sub> Electrode Materials for Lithium-ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 856-864.	3.4	30
14	Biocarbon with different microstructures derived from corn husks and their potassium storage properties. <i>Rare Metals</i> , 2021, 40, 3166-3174.	7.1	30
15	Asymmetric, Flexible Supercapacitor Based on Fe-Co Alloy@Sulfide with High Energy and Power Density. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49952-49963.	8.0	29
16	Fabrication of Porous Carbon with Controllable Nitrogen Doping as Anode for High-Performance Potassium-ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 3699-3707.	3.4	28
17	One-pot synthesis of small-sized Ni <sub>3</sub> S <sub>2</sub> nanoparticles deposited on graphene oxide as composite anode materials for high-performance lithium/sodium-ion batteries. <i>Applied Surface Science</i> , 2020, 531, 147316.	6.1	28
18	Facile hydrothermal synthesis of urchin-like NiCo <sub>2</sub> O <sub>4</sub> as advanced electrochemical pseudocapacitor materials. <i>International Journal of Energy Research</i> , 2021, 45, 20186-20198.	4.5	28

#	ARTICLE	IF	CITATIONS
19	Recent Advances on Spinel Zinc Manganate Cathode Materials for Zinc-ion Batteries. <i>Chemical Record</i> , 2022, 22, .	5.8	22
20	Synthesis and electrochemical properties of LiFePO <sub>4</sub> cathode material by ionic thermal method using eutectic mixture of tetramethyl ammonium chloride-urea. <i>Rare Metals</i> , 2021, 40, 3477-3484.	7.1	19
21	Study on the high-efficiency separation of Fe in extracted vanadium residue by sulfuric acid roasting and the solidification behavior of V and Cr. <i>Separation and Purification Technology</i> , 2021, 269, 118687.	7.9	14
22	Hydrothermal synthesis of nano spheroid-like ZnMn <sub>2</sub> O <sub>4</sub> materials as high-performance anodes for lithium-ion batteries. <i>International Journal of Energy Research</i> , 2021, 45, 18081-18090.	4.5	13
23	Preparation and electrochemical properties of Al <sup>3+</sup> -co-doped spinel LiMn <sub>2</sub> O <sub>4</sub> single-crystal material for lithium-ion battery. <i>International Journal of Energy Research</i> , 2021, 45, 21158-21169.	4.5	13
24	In Situ Construction of Multibuffer Structure 3D CoSn@SnO <sub>x</sub> /CoO <sub>x</sub> @C Anode Material for Ultralong Life Lithium Storage. <i>Energy Technology</i> , 2020, 8, 1900829.	3.8	11
25	Dual-phase structure design of Mn-site nickel doping Li <sub>2</sub> MnSiO <sub>4</sub> @C cathode material for improved electrochemical lithium storage performance. <i>International Journal of Energy Research</i> , 2021, 45, 14720-14731.	4.5	11
26	Two-position intrinsic element complement: Synthesis and electrochemical properties of Li <sub>2-x</sub> Mn <sub>1-x</sub> SiO <sub>4</sub> @carbon as cathode materials for lithium batteries. <i>International Journal of Energy Research</i> , 2021, 45, 16922-16931.	4.5	7
27	CuS nanoblocks embedded in the three-dimensional porous carbon as composite anode materials for high-performance lithium-ion battery. <i>Ionics</i> , 2021, 27, 897-905.	2.4	6
28	P <sub>2</sub> O <sub>7</sub> <sup>4-</sup> ·xH <sub>2</sub> O·yFe <sub>2</sub> O <sub>3</sub> ·zMgSO <sub>4</sub> from earth-abundant elements for rechargeable potassium ion battery. <i>Energy Storage</i> , 2022, 4, e277.	4.3	4
29	High-performance LiFePO <sub>4</sub> cathode material was prepared by multiple intensification process with acid-washed iron red as raw material. <i>International Journal of Energy Research</i> , 2021, 45, 18245-18256.	4.5	3
30	Ultrahigh capacity potassium-based dual carbon batteries with a high concentration electrolyte. <i>Sustainable Energy and Fuels</i> , 0, .	4.9	2
31	Tuning the structural stability and spin-glass behavior in Î±-MnO <sub>2</sub> nanotubes by Sn ion doping. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	0