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	Recent Advances on Spinel Zinc Manganate Cathode Materials for Zincâ€ion Batteries. Chemical Record, 2022, 22, .	5.8	22
2	<scp>P2â€K₀</scp>_.<scp>₇₆Fe₀</scp>_.<scp>₂Mg<sub> from earthâ€abundant elements for rechargeable potassium ion battery. Energy Storage, 2022, 4, e277.	4.3	4
3	Novel P2-type layered medium-entropy ceramics oxide as cathode material for sodium-ion batteries. Journal of Advanced Ceramics, 2022, 11, 158-171.	17.4	35
4	Optimization of Synergistic Leaching of Valuable Metals from Spent Lithium-Ion Batteries by the Sulfuric Acid-Malonic Acid System Using Response Surface Methodology. ACS Applied Materials & Interfaces, 2022, 14, 11359-11374.	8.0	38
5	Walnut septum-derived hierarchical porous carbon for ultra-high-performance supercapacitors. Rare Metals, 2022, 41, 2280-2291.	7.1	46
6	Stable Electrochemical Properties of Magnesium-Doped Co-Free Layered P2-Type Na_{0.67}Ni_{0.33}Mn_{0.67}O₂ Cathode Material for Sodium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 4994-5004.	6.7	38
7	Tuning the structural stability and spin-glass behavior in Î±-MnO₂ nanotubes by Sn ion doping. Physical Chemistry Chemical Physics, 2022, , .	2.8	0
8	Hierarchically nitrogen-doped carbon wrapped Ni_{0.6}Fe_{0.4}Se₂ binary-metal selenide nanocubes with extraordinary rate performance and high pseudocapacitive contribution for sodium-ion anodes. Journal of Materials Chemistry A, 2021, 9, 1610-1622.	10.3	52
9	Cu-doped layered P2-type Na0.67Ni0.33-xCuxMn0.67O2 cathode electrode material with enhanced electrochemical performance for sodium-ion batteries. Chemical Engineering Journal, 2021, 404, 126578.	12.7	53
10	CuS nanoblocks embedded in the three-dimensional porous carbon as composite anode materials for high-performance lithium-ion battery. Ionics, 2021, 27, 897-905.	2.4	6
11	Cleaner and effective recovery of metals and synthetic lithium-ion batteries from extracted vanadium residue through selective leaching. Journal of Power Sources, 2021, 482, 228970.	7.8	31
12	Sulfur-doped 3D hierarchical porous carbon network toward excellent potassium-ion storage performance. Rare Metals, 2021, 40, 2464-2473.	7.1	41
13	Dualâ€phase structure design of Mnâ€site nickel doping <scp> Li ₂ MnSiO ₄ </scp> @C cathode material for improved electrochemical lithium storage performance. International Journal of Energy Research, 2021, 45, 14720-14731.	4.5	11
14	Twoâ€position intrinsic element complement: Synthesis and electrochemical properties of Li_{2â€‰+}<scp>_xMn_{1â€x}SiO₄</scp>@carbon as cathode materials for lithium batteries. International Journal of Energy Research, 2021, 45, 16922-16931.	4.5	7
15	Biocarbon with different microstructures derived from corn husks and their potassium storage properties. Rare Metals, 2021, 40, 3166-3174.	7.1	30
16	Synthesis and electrochemical properties of LiFePO4 cathode material by ionic thermal method using eutectic mixture of tetramethyl ammonium chlorideâ€“urea. Rare Metals, 2021, 40, 3477-3484.	7.1	19
17	Hydrothermal synthesis of nano spheroidâ€like <scp> ZnMn ₂ O ₄ </scp> materials as highâ€performance anodes for lithiumâ€ion batteries. International Journal of Energy Research, 2021, 45, 18081-18090.	4.5	13
18	Highâ€performance<scp>LiFePO₄</scp>cathode material was prepared by multiple intensification process with acidâ€washed iron red as raw material. International Journal of Energy Research, 2021, 45, 18245-18256.	4.5	3

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19	Study on the high-efficiency separation of Fe in extracted vanadium residue by sulfuric acid roasting and the solidification behavior of V and Cr. Separation and Purification Technology, 2021, 269, 118687.	7.9	14
20	Facile hydrothermal synthesis of urchinâ€like <scp> NiCo ₂ O ₄ </scp> as advanced electrochemical pseudocapacitor materials. International Journal of Energy Research, 2021, 45, 20186-20198.	4.5	28
21	Preparation and electrochemical properties of <scp>Alâ€F</scp> coâ€doped spinel <scp> LiMn ₂ O ₄ </scp> singleâ€crystal material for lithiumâ€ion battery. International Journal of Energy Research, 2021, 45, 21158-21169.	4.5	13
22	Rational Design of Yolkâ€“Shell Znï£¿Coï£¿Se@Nâ€Doped Dual Carbon Architectures as Longâ€Life and Highâ€Rate Anodes for Half/Full Naâ€ion Batteries. Small, 2021, 17, e2101887.	10.0	46
23	Asymmetric, Flexible Supercapacitor Based on Feâ€“Co Alloy@Sulfide with High Energy and Power Density. ACS Applied Materials & Interfaces, 2021, 13, 49952-49963.	8.0	29
24	Rational design of flower-like FeCo2S4/reduced graphene oxide films: Novel binder-free electrodes with ultra-high conductivity flexible substrate for high-performance all-solid-state pseudocapacitor. Chemical Engineering Journal, 2020, 381, 122695.	12.7	131
25	In Situ Construction of Multibuffer Structure 3D CoSn@SnO x /CoO x @C Anode Material for Ultralong Life Lithium Storage. Energy Technology, 2020, 8, 1900829.	3.8	11
26	BiSb@Bi2O3/SbOx encapsulated in porous carbon as anode materials for sodium/potassium-ion batteries with a high pseudocapacitive contribution. Journal of Colloid and Interface Science, 2020, 580, 429-438.	9.4	47
27	One-pot synthesis of small-sized Ni3S2 nanoparticles deposited on graphene oxide as composite anode materials for high-performance lithium-/sodium-ion batteries. Applied Surface Science, 2020, 531, 147316.	6.1	28
28	Fabrication of Porous Carbon with Controllable Nitrogen Doping as Anode for Highâ€Performance Potassiumâ€ion Batteries. ChemElectroChem, 2019, 6, 3699-3707.	3.4	28
29	A nanosized SnSb alloy confined in N-doped 3D porous carbon coupled with ether-based electrolytes toward high-performance potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 14309-14318.	10.3	157
30	A Simple and Lowâ€Cost Method to Synthesize Crâ€Doped Î±â€Fe₂O₃ Electrode Materials for Lithiumâ€ion Batteries. ChemElectroChem, 2019, 6, 856-864.	3.4	30
31	Ultrahigh capacity potassium-based dual carbon batteries with a high concentration electrolyte. Sustainable Energy and Fuels, 0, , .	4.9	2