

Xinyue Zhao

List of Publications by Year in descending order

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23
papers

848
citations

567281

15
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642732

23
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all docs

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docs citations

23
times ranked

1329
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured silicon/porous carbon spherical composite as a high capacity anode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15068.	10.3	149
2	Nano-silicon composites using poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) as elastic polymermatrix and carbon source for lithium-ion battery anode. <i>Journal of Materials Chemistry</i> , 2012, 22, 1094-1099.	6.7	100
3	Polyvinyl alcohol grafted poly (acrylic acid) as water-soluble binder with enhanced adhesion capability and electrochemical performances for Si anode. <i>Journal of Alloys and Compounds</i> , 2018, 763, 228-240.	5.5	90
4	Carboxymethyl chitosan/conducting polymer as water-soluble composite binder for LiFePO ₄ cathode in lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 336, 107-114.	7.8	75
5	Investigation on xanthan gum as novel water soluble binder for LiFePO ₄ cathode in lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 714, 409-418.	5.5	63
6	Cyanoethylated Carboxymethyl Chitosan as Water Soluble Binder with Enhanced Adhesion Capability and electrochemical performances for LiFePO ₄ Cathode. <i>Electrochimica Acta</i> , 2015, 182, 900-907.	5.2	54
7	Nano-structured composite of Si/(S-doped-carbon nanowire network) as anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 297, 344-350.	7.8	53
8	One-step solvothermal synthesis of V ₂ O ₃ @C nanoparticles as anode materials for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2019, 776, 568-574.	5.5	37
9	Nano-MoS ₂ /poly (3,4-ethylenedioxythiophene): Poly(styrenesulfonate) composite prepared by a facial dip-coating process for Li-ion battery anode. <i>Applied Surface Science</i> , 2014, 288, 736-741.	6.1	36
10	Fluorosilane compounds with oligo(ethylene oxide) substituent as safe electrolyte solvents for high-voltage lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 334, 58-64.	7.8	26
11	Confining selenium disulfide in 3D sulfur-doped mesoporous carbon for rechargeable lithium batteries. <i>Applied Surface Science</i> , 2018, 457, 705-711.	6.1	24
12	Multiple core-shelled sulfur composite based on spherical double-layered hollow carbon and PEDOT:PSS as cathode for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2020, 837, 155498.	5.5	21
13	A novel MoS ₂ /C nanocomposite as an anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 729, 583-589.	5.5	19
14	Synthesis of water-free PEDOT with polyvinylpyrrolidone stabilizer in organic dispersant system. <i>Organic Electronics</i> , 2018, 53, 117-126.	2.6	17
15	Facile synthesis of nanostructured Li ₄ Ti ₅ O ₁₂ /PEDOT:PSS composite as anode material for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 95512-95517.	3.6	16
16	Improving the processability and cycling stability of nano-LiFePO ₄ cathode by using PVDF/TX binary binder. <i>Composite Interfaces</i> , 2019, 26, 1013-1024.	2.3	12
17	Oligo(ethylene oxide)-functionalized trialkoxysilanes as novel electrolytes for high-voltage lithium-ion batteries. <i>Ionics</i> , 2013, 19, 1567-1572.	2.4	11
18	Texturing In-Situ: N/F Dual-Doped hollow porous carbon nanospheres for advanced Li-S batteries. <i>Applied Surface Science</i> , 2022, 599, 153951.	6.1	11

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19	Synthesis of aminoalkylsilanes with oligo(ethylene oxide) unit as multifunctional electrolyte additives for lithium-ion batteries. <i>Science China Chemistry</i> , 2013, 56, 739-745.	8.2	10
20	Double-layered hollow carbon spheres embedded in 3D conductive network as an efficient $\text{Se}_{0.4}\text{S}_{0.6}$ host for advanced lithium batteries. <i>Journal of Alloys and Compounds</i> , 2019, 806, 146-152.	5.5	10
21	A Novel Aminoalkyldisiloxane Compound as a Film-Forming Electrolyte Additive for Graphite Anode. <i>Electrochemistry</i> , 2015, 83, 537-540.	1.4	7
22	Hierarchical Porous Carbon Membrane Embedded with Pyrolyzed Co-Based Metal-Organic Frameworks as Multifunctional Interlayers for Advanced $\text{Li}^{+}\text{SeS}_{2}$ Batteries. <i>Energy Technology</i> , 2021, 9, 2100274.	3.8	4
23	Nitrogen and sulfur co-doped hierarchical porous carbon as functional sulfur host for lithium-sulfur batteries. <i>Materials Today Communications</i> , 2021, 27, 102312.	1.9	3