

Mingzhe Xue

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

449
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840776

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19
times ranked

568
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Li ₇ La ₃ Zr ₂ O ₁₂ (LLZO) and LLZO-polymer composites for solid-state lithium batteries. <i>Energy Storage Materials</i> , 2021, 39, 108-129.	18.0	81
2	Synthesis of Ta and Ca doped Li ₇ La ₃ Zr ₂ O ₁₂ solid-state electrolyte via simple solution method and its application in suppressing shuttle effect of Li-S battery. <i>Journal of Alloys and Compounds</i> , 2018, 744, 386-394.	5.5	57
3	Mangosteen peel-derived porous carbon: synthesis and its application in the sulfur cathode for lithium sulfur battery. <i>Journal of Materials Science</i> , 2018, 53, 11062-11077.	3.7	51
4	Improved room temperature ionic conductivity of Ta and Ca doped Li ₇ La ₃ Zr ₂ O ₁₂ via a modified solution method. <i>Solid State Ionics</i> , 2018, 314, 92-97.	2.7	50
5	Optimized synthesis of banana peel derived porous carbon and its application in lithium sulfur batteries. <i>Materials Research Bulletin</i> , 2019, 112, 269-280.	5.2	33
6	A novel mangosteen peels derived hierarchical porous carbon for lithium sulfur battery. <i>Materials Letters</i> , 2017, 209, 594-597.	2.6	27
7	TiO ₂ microboxes as effective polysulfide reservoirs for lithium sulfur batteries. <i>Electrochimica Acta</i> , 2019, 296, 39-48.	5.2	26
8	LiFâ•Co Nanocomposite as a New Li Storage Material. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A147.	2.2	25
9	Oxygenâ€œDeficient Ti_{0.9}Nb_{0.1}O₂ as an Efficient Anodic Catalyst Support for PEM Water Electrolyzer. <i>ChemCatChem</i> , 2019, 11, 2511-2519.	3.7	19
10	Improved Li _{6.5} La ₃ Zr _{1.5} Nb _{0.5} O ₁₂ electrolyte and effects of atmosphere exposure on conductivities. <i>Journal of Power Sources</i> , 2021, 497, 229845.	7.8	16
11	A novel hierarchical porous carbon derived from durian shell as enhanced sulfur carrier for high performance Li-S batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021, 893, 115306.	3.8	15
12	Lithium phosphorous oxynitride (LiPON) coated NiFe ₂ O ₄ anode material with enhanced electrochemical performance for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 769, 110-119.	5.5	11
13	Facile synthesis and electrochemical properties of Fe ₂ SeS for lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 306, 317-321.	7.8	10
14	Enhanced Al/Ta co-doped Li ₇ La ₃ Zr ₂ O ₁₂ ceramic electrolytes with the reduced Ta doping level for solid-state lithium batteries. <i>Journal of Materials Science</i> , 2021, 56, 19614-19622.	3.7	10
15	A novel Li ₃ P-VP nanocomposite fabricated by pulsed laser deposition as anode material for high-capacity lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 841, 21-25.	3.8	6
16	TiO ₂ microbox/carbon nanotube composite-modified separator for high-performance lithium-sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 949-961.	2.5	5
17	Effects of alkaline earth metal elements and their synergistic roles with Ta for Li₇La₃Zr₂O₁₂. <i>Materials Research Express</i> , 2020, 7, 125201.	1.6	5
18	Stimulated pHâ€œDependence Phosphorus Platinumâ€œNickel Alloy Cluster as Hydrogen Generation Electrocatalyst in Alkaline Solution. <i>Energy Technology</i> , 0, , 2200380.	3.8	1

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19	Phase evolution, structure, and electrochemical performance of Al-, Ga- and Ta- substituted $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ ceramic electrolytes by a modified wet chemical route. <i>Ceramics International</i> , 2022, 48, 31315-31325.	4.8	1