

Xieyu Xu

List of Publications by Year in descending order

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14
papers

673
citations

1163117

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h-index

1125743

13
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all docs

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docs citations

14
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-Chemo-Mechanical Modeling of Artificial Solid Electrolyte Interphase to Enable Uniform Electrodeposition of Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	105
2	Novel electrolyte additive of graphene oxide for prolonging the lifespan of zinc-ion batteries. <i>Nanotechnology</i> , 2022, 33, 125401.	2.6	10
3	Electro-Chemo-Mechanical Modeling of Artificial Solid Electrolyte Interphase to Enable Uniform Electrodeposition of Lithium Metal Anodes (<i>Adv. Energy Mater.</i> 9/2022). <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	1
4	Two Birds with One Stone: Using Indium Oxide Surficial Modification to Tune Inner Helmholtz Plane and Regulate Nucleation for Dendrite-free Lithium Anode. <i>Small Methods</i> , 2022, 6, e2200113.	8.6	10
5	Diffusion Limited Current Density: A Watershed in Electrodeposition of Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	42
6	Stable Solid Electrolyte Interphase for Long-Life Potassium Metal Batteries. <i>ACS Energy Letters</i> , 2022, 7, 401-409.	17.4	32
7	Synthesis of Cobalt Ferrite/Piezoelectric Composite Particles for Use as Magnetoelectric Elements in Bone Implants. <i>Inorganic Materials: Applied Research</i> , 2022, 13, 393-404.	0.5	1
8	Highly Energy-Dissipative, Fast Self-Healing Binder for Stable Si Anode in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2005699.	14.9	122
9	Insight into the Critical Role of Exchange Current Density on Electrodeposition Behavior of Lithium Metal. <i>Advanced Science</i> , 2021, 8, 2003301.	11.2	146
10	Redox processes in graphene oxide for storing and converting energy. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
11	Role of Li-Ion Depletion on Electrode Surface: Underlying Mechanism for Electrodeposition Behavior of Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2020, 10, 2002390.	19.5	115
12	Crumpled Nitrogen-Doped Graphene-Wrapped Phosphorus Composite as a Promising Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30858-30864.	8.0	50
13	LiXGe containing ion-conductive hybrid skin for high rate lithium metal anode. <i>Chemical Engineering Journal</i> , 2019, 371, 294-300.	12.7	35
14	Modified carbon nanotubes for water-based cathode slurries for lithium-sulfur batteries. <i>Journal of Materials Research</i> , 2019, 34, 634-641.	2.6	4