

Hong Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4113029/publications.pdf>

Version: 2024-02-01

10
papers

542
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Structure and Comparative Properties of $\text{LiNi}_x\text{Mn}_y\text{Co}_z\text{O}_2$ Cathode Materials. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6002-6010.	3.1	147
2	Mechanical and Structural Degradation of $\text{LiNi}_x\text{Mn}_y\text{Co}_z\text{O}_2$ Cathode in Li-Ion Batteries: An Experimental Study. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3333-A3341.	2.9	134
3	In-situ TEM experiments and first-principles studies on the electrochemical and mechanical behaviors of $\pm\text{MoO}_3$ in Li-ion batteries. <i>Nano Energy</i> , 2016, 27, 95-102.	16.0	73
4	Chemomechanics of Rechargeable Batteries: Status, Theories, and Perspectives. <i>Chemical Reviews</i> , 2022, 122, 13043-13107.	47.7	59
5	Super- and Ferroelastic Organic Semiconductors for Ultraflexible Single-Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13004-13012.	13.8	39
6	Atomistic Origins of High Capacity and High Structural Stability of Polymer-Derived SiOC Anode Materials. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35001-35009.	8.0	34
7	Grain Boundaries and Their Impact on Li Kinetics in Layered-Oxide Cathodes for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10284-10294.	3.1	26
8	Molecular Mechanisms of Superelasticity and Ferroelasticity in Organic Semiconductor Crystals. <i>Chemistry of Materials</i> , 2021, 33, 1883-1892.	6.7	15
9	Super- and Ferroelastic Organic Semiconductors for Ultraflexible Single-Crystal Electronics. <i>Angewandte Chemie</i> , 2020, 132, 13104-13112.	2.0	9
10	Motion synchronization for multi-cylinder electro-hydraulic system. , 0, , .		6