Yue Deng

List of Publications by Year in descending order

18 papers	2,056 citations	471061 17 h-index	839053 18 g-index
18 all docs	18 docs citations	18 times ranked	1808 citing authors

#	Article	IF	Citations
1	Reversible epitaxial electrodeposition of metals in battery anodes. Science, 2019, 366, 645-648.	6.0	1,097
2	Regulating electrodeposition morphology in high-capacity aluminium and zinc battery anodes using interfacial metalâ€“substrate bonding. Nature Energy, 2021, 6, 398-406.	19.8	169
3	Spontaneous and field-induced crystallographic reorientation of metal electrodeposits at battery anodes. Science Advances, 2020, 6, eabb1122.	4.7	143
4	Designing electrolytes with polymerlike glass-forming properties and fast ion transport at low temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26053-26060.	3.3	82
5	Physical Orphaning versus Chemical Instability: Is Dendritic Electrodeposition of Li Fatal?. ACS Energy Letters, 2019, 4, 1349-1355.	8.8	80
6	On the crystallography and reversibility of lithium electrodeposits at ultrahigh capacity. Nature Communications, 2021, 12, 6034.	5.8	70
7	Textured Electrodes: Manipulating Builtâ€in Crystallographic Heterogeneity of Metal Electrodes via Severe Plastic Deformation. Advanced Materials, 2022, 34, e2106867.	11.1	62
8	Stabilizing Zinc Electrodeposition in a Battery Anode by Controlling Crystal Growth. Small, 2021, 17, e2101798.	5.2	58
9	On the Reversibility and Fragility of Sodium Metal Electrodes. Advanced Energy Materials, 2019, 9, 1901651.	10.2	48
10	Production of fast-charge Zn-based aqueous batteries via interfacial adsorption of ion-oligomer complexes. Nature Communications, 2022, 13, 2283.	5.8	47
11	Upgrading Carbonate Electrolytes for Ultraâ€stable Practical Lithium Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, e202116214.	7.2	38
12	Structure and Evolution of Quasiâ€Solidâ€State Hybrid Electrolytes Formed Inside Electrochemical Cells. Advanced Materials, 2022, 34, .	11.1	30
13	Regulating the growth of aluminum electrodeposits: towards anode-free Al batteries. Journal of Materials Chemistry A, 2020, 8, 23231-23238.	5.2	29
14	The early-stage growth and reversibility of Li electrodeposition in Br-rich electrolytes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	26
15	Designing Polymeric Interphases for Stable Lithium Metal Deposition. Nano Letters, 2020, 20, 5749-5758.	4.5	23
16	Electrodeposition of Zinc in Aqueous Electrolytes Containing High Molecular Weight Polymers. Macromolecules, 2020, 53, 2694-2701.	2.2	23
17	Achieving Uniform Lithium Electrodeposition in Cross-Linked Poly(ethylene oxide) Networks: â€œSoftâ€• Polymers Prevent Metal Dendrite Proliferation. Macromolecules, 2020, 53, 5445-5454.	2.2	22
18	Upgrading Carbonate Electrolytes for Ultraâ€stable Practical Lithium Metal Batteries. Angewandte Chemie, 2022, 134, e202116214.	1.6	9