

Lianfeng Zou

List of Publications by Year in descending order

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14
papers

611
citations

933447

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1281871

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911
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Electrolytes for Fast-Charging High-Voltage Lithium-Ion Batteries in Wide-Temperature Range. <i>Advanced Energy Materials</i> , 2020, 10, 2000368.	19.5	159
2	Atomic origins of water-vapour-promoted alloy oxidation. <i>Nature Materials</i> , 2018, 17, 514-518.	27.5	106
3	Dislocation nucleation facilitated by atomic-segregation. <i>Nature Materials</i> , 2018, 17, 56-63.	27.5	99
4	In situ atomic-scale imaging of the metal/oxide interfacial transformation. <i>Nature Communications</i> , 2017, 8, 307.	12.8	79
5	Electrolyte Regulating toward Stabilization of Cobalt-Free Ultrahigh-Nickel Layered Oxide Cathode in Lithium-Ion Batteries. <i>ACS Energy Letters</i> , 2021, 6, 1324-1332.	17.4	53
6	In situ atomic scale visualization of surface kinetics driven dynamics of oxide growth on a Ni-Cr surface. <i>Chemical Communications</i> , 2016, 52, 3300-3303.	4.1	38
7	Toward the Practical Use of Cobalt-Free Lithium-Ion Batteries by an Advanced Ether-Based Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44339-44347.	8.0	24
8	Sulfone-based electrolytes for high energy density lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 527, 231171.	7.8	21
9	Segregation induced order-disorder transition in Cu(Au) surface alloys. <i>Acta Materialia</i> , 2018, 154, 220-227.	7.9	11
10	Atomic-scale phase separation induced clustering of solute atoms. <i>Nature Communications</i> , 2020, 11, 3934.	12.8	11
11	Atomically Visualizing Elemental Segregation-Induced Surface Alloying and Restructuring. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6035-6040.	4.6	10
12	Low-Temperature Solution Synthesis of Zinc Oxide Nanotubes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2013, 43, 1501-1505.	0.6	0
13	In-situ Atomic-Resolution Observations of Oxide-Reduction Induced Formation of Nano-Holes in Cu ₂ O Thin Films. <i>Microscopy and Microanalysis</i> , 2018, 24, 1816-1817.	0.4	0
14	In-situ Atomic-scale Imaging of Surface Segregation in Alloys. <i>Microscopy and Microanalysis</i> , 2020, 26, 1864-1866.	0.4	0