

Yuting Luo

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

178
citations

1040056

9
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of crystallite geometries on electrochemical performance of porous intercalation electrodes by multiscale operando investigation. <i>Nature Materials</i> , 2022, 21, 217-227.	27.5	35
2	Cation reordering instead of phase transitions: Origins and implications of contrasting lithiation mechanisms in 1D V_2O_5 and 2D V_2O_5 . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
3	A deep learned nanowire segmentation model using synthetic data augmentation. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	11
4	An Atomic View of Cation Diffusion Pathways from Single-Crystal Topochemical Transformations. <i>Angewandte Chemie</i> , 2020, 132, 16527-16534.	2.0	3
5	Bending good beats breaking bad: phase separation patterns in individual cathode particles upon lithiation and delithiation. <i>Materials Horizons</i> , 2020, 7, 3275-3290.	12.2	14
6	An Atomic View of Cation Diffusion Pathways from Single-Crystal Topochemical Transformations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16385-16392.	13.8	20
7	Chemo-mechanical degradation in V_2O_5 thin film cathodes of Li-ion batteries during electrochemical cycling. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23922-23930.	10.3	24
8	Striping modulations and strain gradients within individual particles of a cathode material upon lithiation. <i>Materials Horizons</i> , 2018, 5, 486-498.	12.2	17
9	Roadblocks in Cation Diffusion Pathways: Implications of Phase Boundaries for Li-Ion Diffusivity in an Intercalation Cathode Material. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30901-30911.	8.0	19
10	Mitigating Cation Diffusion Limitations and Intercalation-Induced Framework Transitions in a 1D Tunnel-Structured Polymorph of V_2O_5 . <i>Chemistry of Materials</i> , 2017, 29, 10386-10397.	6.7	24