

Alexander F Chadwick

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

788
citations

1684188

5
h-index

1720034

7
g-index

9
all docs

9
docs citations

9
times ranked

1433
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|------|-----------|
| 1 | Dendrites and Pits: Untangling the Complex Behavior of Lithium Metal Anodes through Operando Video Microscopy. ACS Central Science, 2016, 2, 790-801. | 11.3 | 662 |
| 2 | The development of grain structure during additive manufacturing. Acta Materialia, 2021, 211, 116862. | 7.9 | 60 |
| 3 | Numerical Modeling of Localized Corrosion Using Phase-Field and Smoothed Boundary Methods. Journal of the Electrochemical Society, 2018, 165, C633-C646. | 2.9 | 32 |
| 4 | Computational Model of Magnesium Deposition and Dissolution for Property Determination via Cyclic Voltammetry. Journal of the Electrochemical Society, 2016, 163, A1813-A1821. | 2.9 | 21 |
| 5 | Grain boundary formation through particle detachment during coarsening of nanoporous metals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 7 |
| 6 | Recursive grain remapping scheme for phase-field models of additive manufacturing. International Journal for Numerical Methods in Engineering, 2022, 123, 3093-3110. | 2.8 | 5 |
| 7 | Dendrites and Pits: Untangling the Complex Behavior of Li Metal Anodes through Operando Video Microscopy. ECS Meeting Abstracts, 2017, MA2017-01, 518-518. | 0.0 | 1 |
| 8 | Effect of Material Anisotropy on the Mechanical Response of Protective Layers for Lithium Metal Anodes. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |