

Daniel Long

List of Publications by Year in descending order

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17
papers

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1307366

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17
all docs

17
docs citations

17
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect mechanisms of coloration in Fe-doped SrTiO ₃ from first principles. Applied Physics Letters, 2017, 110, .	1.5	47
2	Cold sintering with dimethyl sulfoxide solutions for metal oxides. Journal of Materials Science, 2019, 54, 7438-7446.	1.7	20
3	Cryogenic electron microscopy reveals that applied pressure promotes short circuits in Li batteries. IScience, 2021, 24, 103394.	1.9	18
4	Impact of intrinsic point defect concentration on thermal transport in titanium dioxide. Acta Materialia, 2017, 127, 491-497.	3.8	15
5	Conductivity of iron-doped strontium titanate in the quenched and degraded states. Journal of the American Ceramic Society, 2019, 102, 3567-3577.	1.9	12
6	Barrier formation at BaTiO ₃ interfaces with Ni and NiO. Applied Surface Science, 2019, 466, 472-476.	3.1	11
7	Insights into the Mechanism of the Mechanochemical Formation of Metastable Phases. ACS Applied Materials & Interfaces, 2021, 13, 6785-6794.	4.0	11
8	Time filtering of event based neutron scattering data: A pathway to study the dynamic structural responses of materials. Review of Scientific Instruments, 2018, 89, 092803.	0.6	6
9	Electromigration-induced leakage current enhancement and its anisotropy in single crystal TiO ₂ . Journal of Applied Physics, 2019, 125, .	1.1	5
10	Molecular Dynamics Simulation and Cryo-Electron Microscopy Investigation of AOT Surfactant Structure at the Hydrated Mica Surface. Minerals (Basel, Switzerland), 2022, 12, 479.	0.8	2
11	Chemistry, Microstructure, and Interphases of Magnesium Metal Anodes Captured Via Cryogenic Electron Microscopy. ECS Meeting Abstracts, 2020, MA2020-02, 776-776.	0.0	1
12	Interphases of Magnesium Metal Anodes Enabled by Cryogenic Electron Microscopy. Microscopy and Microanalysis, 2020, 26, 1830-1832.	0.2	0
13	Protected Calcium Anodes: Lessons from Native Interphases. ECS Meeting Abstracts, 2021, MA2021-01, 421-421.	0.0	0
14	Characterizing Multivalent Metal Anodes with Cryogenic Electron Microscopy. Microscopy and Microanalysis, 2021, 27, 1926-1928.	0.2	0
15	Electrolyte Comparison for Li-Metal Anodes with Cryo-Laser PFIB. Microscopy and Microanalysis, 2021, 27, 1504-1505.	0.2	0
16	Chemistry, Microstructure, and Interphases of Magnesium Metal Anodes Captured Via Cryogenic Electron Microscopy. ECS Meeting Abstracts, 2020, MA2020-01, 138-138.	0.0	0
17	The Role of Sodium Electrolyte Impurities in Governing Interphase Formation and Impacting Calcium Anode Electrochemical Performance. ECS Meeting Abstracts, 2020, MA2020-02, 845-845.	0.0	0