

Li Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

5,788
citations

567144

15
h-index

839398

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g-index

18
all docs

18
docs citations

18
times ranked

7536
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Dependent Fracture of Silicon Nanoparticles During Lithiation. ACS Nano, 2012, 6, 1522-1531.	7.3	1,816
2	In Situ Observation of the Electrochemical Lithiation of a Single SnO ₂ Nanowire Electrode. Science, 2010, 330, 1515-1520.	6.0	1,430
3	Anisotropic Swelling and Fracture of Silicon Nanowires during Lithiation. Nano Letters, 2011, 11, 3312-3318.	4.5	691
4	Ultrafast Electrochemical Lithiation of Individual Si Nanowire Anodes. Nano Letters, 2011, 11, 2251-2258.	4.5	379
5	Formation of monatomic metallic glasses through ultrafast liquid quenching. Nature, 2014, 512, 177-180.	13.7	365
6	Highly Reversible Zinc-Ion Intercalation into Chevrel Phase Mo ₆ S ₈ Nanocubes and Applications for Advanced Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 13673-13677.	4.0	256
7	In Situ Transmission Electron Microscopy Observations of Electrochemical Oxidation of Li ₂ O ₂ . Nano Letters, 2013, 13, 2209-2214.	4.5	214
8	Germanium as a Sodium Ion Battery Material: <i>In Situ</i> TEM Reveals Fast Sodiation Kinetics with High Capacity. Chemistry of Materials, 2016, 28, 1236-1242.	3.2	134
9	Nanowire liquid pumps. Nature Nanotechnology, 2013, 8, 277-281.	15.6	96
10	Slip-activated surface creep with room-temperature super-elongation in metallic nanocrystals. Nature Materials, 2017, 16, 439-445.	13.3	82
11	Lithium fiber growth on the anode in a nanowire lithium ion battery during charging. Applied Physics Letters, 2011, 98, .	1.5	80
12	In situ observation of shear-driven amorphization in silicon crystals. Nature Nanotechnology, 2016, 11, 866-871.	15.6	74
13	Multiple-Stripe Lithiation Mechanism of Individual SnO_2 Nanowires in a Flooding Geometry. Physical Review Letters, 2011, 106, 248302.	2.9	62
14	Unstable twin in body-centered cubic tungsten nanocrystals. Nature Communications, 2020, 11, 2497.	5.8	40
15	Atomistic processes of surface-diffusion-induced abnormal softening in nanoscale metallic crystals. Nature Communications, 2021, 12, 5237.	5.8	27
16	In Situ Observation of Single-Phase Lithium Intercalation in Sub-25-nm Nanoparticles. Advanced Materials, 2017, 29, 1700236.	11.1	16
17	Atomistic observation on diffusion-mediated friction between single-asperity contacts. Nature Materials, 2022, 21, 173-180.	13.3	16
18	In-situ TEM revisiting NH ₄ V ₄ O ₁₀ to unveil the unknown sodium storage mechanism as an anode material. Nano Energy, 2021, 87, 106182.	8.2	10