

# 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

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

7536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomistic observation on diffusion-mediated friction between single-asperity contacts. <i>Nature Materials</i> , 2022, 21, 173-180.	13.3	16
2	In-situ TEM revisiting NH <sub>4</sub> V <sub>4</sub> O <sub>10</sub> to unveil the unknown sodium storage mechanism as an anode material. <i>Nano Energy</i> , 2021, 87, 106182.	8.2	10
3	Atomistic processes of surface-diffusion-induced abnormal softening in nanoscale metallic crystals. <i>Nature Communications</i> , 2021, 12, 5237.	5.8	27
4	Unstable twin in body-centered cubic tungsten nanocrystals. <i>Nature Communications</i> , 2020, 11, 2497.	5.8	40
5	In Situ Observation of Single-Phase Lithium Intercalation in Sub-25-nm Nanoparticles. <i>Advanced Materials</i> , 2017, 29, 1700236.	11.1	16
6	Slip-activated surface creep with room-temperature super-elongation in metallic nanocrystals. <i>Nature Materials</i> , 2017, 16, 439-445.	13.3	82
7	Highly Reversible Zinc-Ion Intercalation into Chevrel Phase Mo <sub>6</sub> S <sub>8</sub> Nanocubes and Applications for Advanced Zinc-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13673-13677.	4.0	256
8	In situ observation of shear-driven amorphization in silicon crystals. <i>Nature Nanotechnology</i> , 2016, 11, 866-871.	15.6	74
9	Germanium as a Sodium Ion Battery Material: <i>In Situ</i> TEM Reveals Fast Sodiation Kinetics with High Capacity. <i>Chemistry of Materials</i> , 2016, 28, 1236-1242.	3.2	134
10	Formation of monatomic metallic glasses through ultrafast liquid quenching. <i>Nature</i> , 2014, 512, 177-180.	13.7	365
11	Nanowire liquid pumps. <i>Nature Nanotechnology</i> , 2013, 8, 277-281.	15.6	96
12	In Situ Transmission Electron Microscopy Observations of Electrochemical Oxidation of Li <sub>2</sub> O <sub>2</sub> . <i>Nano Letters</i> , 2013, 13, 2209-2214.	4.5	214
13	Size-Dependent Fracture of Silicon Nanoparticles During Lithiation. <i>ACS Nano</i> , 2012, 6, 1522-1531.	7.3	1,816
14	Lithium fiber growth on the anode in a nanowire lithium ion battery during charging. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	80
15	Anisotropic Swelling and Fracture of Silicon Nanowires during Lithiation. <i>Nano Letters</i> , 2011, 11, 3312-3318.	4.5	691
16	Ultrafast Electrochemical Lithiation of Individual Si Nanowire Anodes. <i>Nano Letters</i> , 2011, 11, 2251-2258.	4.5	379
17	Multiple-Stripe Lithiation Mechanism of Individual $\text{SnO}_2$ Nanowires in a Flooding Geometry. <i>Physical Review Letters</i> , 2011, 106, 248302.	2.9	62
18	In Situ Observation of the Electrochemical Lithiation of a Single SnO <sub>2</sub> Nanowire Electrode. <i>Science</i> , 2010, 330, 1515-1520.	6.0	1,430