Hao-Sen Chen

List of Publications by Year
in descending order

17	537	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electroâ€“Chemoâ€“Mechanical Issues at the Interfaces in Solidâ€State Lithium Metal Batteries. Advanced Functional Materials, 2019, 29, 1900950.	14.9	124
2	Constructing Repairable Meta-Structures of Ultra-Broad-Band Electromagnetic Absorption from Three-Dimensional Printed Patterned Shells. ACS Applied Materials & Interfaces, 2017, 9, 43179-43187.	8.0	84
3	Ultraâ€Lightweight 3D Carbon Current Collectors: Constructing Allâ€Carbon Electrodes for Stable and High Energy Density Dualâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1801439.	19.5	80
4	Active Reconfigurable Tristable Squareâ€Twist Origami. Advanced Functional Materials, 2020, 30, 1909087.	14.9	50
5	Failure mechanisms of 2D silicon film anodes: in situ observations and simulations on crack evolution. Chemical Communications, 2018, 54, 3997-4000.	4.1	47
6	Geometric design of micron-sized crystalline silicon anodes through in situ observation of deformation and fracture behaviors. Journal of Materials Chemistry A, 2017, 5, 12793-12802.	10.3	38
7	Lithium redistribution around the crack tip of lithium-ion battery electrodes. Scripta Materialia, 2019, 167, 11-15.	5.2	21
8	In situ optical observations and simulations on defect induced failure of silicon island anodes. Journal of Power Sources, 2018, 405, 101-105.	7.8	20
9	Cu-Al Composite as the Negative Electrode for Long-life Al-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A3539-A3545.	2.9	20
10	Effect of Defects on Diffusion Behaviors of Lithium-Ion Battery Electrodes: In Situ Optical Observation and Simulation. ACS Applied Materials & Interfaces, 2018, 10, 43623-43630.	8.0	16
11	Electrochemomechanical coupled behaviors of deformation and failure in electrode materials for lithium-ion batteries. Science China Technological Sciences, 2019, 62, 1277-1296.	4.0	14
12	In-situ thermography revealing the evolution of internal short circuit of lithium-ion batteries. Journal of Power Sources, 2022, 540, 231602.	7.8	11
13	Inâ€situ heat generation measurement of the anode and cathode in a singleâ€layer lithium ion battery cell. International Journal of Energy Research, 2020, 44, 9141-9148.	4.5	4
14	Correlating Electrochemical Kinetic Parameters of Single LiNi1/3Mn1/3Co1/3O2 Particles with the Performance of Corresponding Porous Electrodes. Angewandte Chemie - International Edition, 0, , .	13.8	4
15	Anisotropic lithium-ion migration and electro-chemo-mechanical coupling in Sb2Se3 single crystals. Science China Materials, 2022, 65, 2657-2664.	6.3	3
16	Electrochemically manipulating BiFeO 3 particles via Bi 3+ ion extraction. Journal of the American Ceramic Society, 2021, 104, 3354-3364.	3.8	1
17	Correlating Electrochemical Kinetic Parameters of Single LiNi1/3Mn1/3Co1/3O2 Particles with the Performance of Corresponding Porous Electrodes. Angewandte Chemie, 0, , .	2.0	0