Chia-Chin Chen

List of Publications by Year
in descending order

22	926	759233 12	713466 21
papers	citations	h-index	g-index

22	22	22	1645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discrete Modeling of Ionic Space Charge Zones in Solids. Physical Chemistry Chemical Physics, 2022, , .	2.8	0
2	Fictitious phase separation in Li layered oxides driven by electro-autocatalysis. Nature Materials, 2021, 20, 991-999.	27.5	101
3	Electro-chemo-mechanical charge carrier equilibrium at interfaces. Physical Chemistry Chemical Physics, 2021, 23, 23730-23740.	2.8	2
4	Decoupling electron and ion storage and the path from interfacial storage to artificial electrodes. Nature Energy, 2018, 3, 102-108.	39.5	75
5	Kinetics of Space Charge Storage in Composites. Advanced Functional Materials, 2018, 28, 1705999.	14.9	12
6	Interfacial mass storage in nanocomposites. Solid State Ionics, 2018, 318, 54-59.	2.7	17
7	Spring-Like Pseudoelectroelasticity of Monocrystalline Cu₂S Nanowire. Nano Letters, 2018, 18, 5070-5077.	9.1	11
8	Increased Storage through Heterogeneous Doping. Chemistry of Materials, 2018, 30, 5041-5049.	6.7	4
9	Space charge storage in composites: thermodynamics. Physical Chemistry Chemical Physics, 2017, 19, 6379-6396.	2.8	29
10	Anode modeling of a molten-carbonate based direct carbon fuel cell. Journal of Power Sources, 2017, 353, 312-322.	7.8	17
11	A High Powerâ€“High Energy Na₃V₂(PO₄)₂F₃ Sodium Cathode: Investigation of Transport Parameters, Rational Design and Realization. Chemistry of Materials, 2017, 29, 5207-5215.	6.7	141
12	Synergistic silver storage in the composite RbAg4I5:graphite: Thermodynamics and kinetics. Solid State Ionics, 2017, 312, 97-105.	2.7	2
13	Microscopic Dynamics of Li+ in Rutile TiO2 Revealed by 8Li Î²-Detected Nuclear Magnetic Resonance. Chemistry of Materials, 2017, 29, 10187-10197.	6.7	13
14	Synergistic, ultrafast mass storage and removal in artificial mixed conductors. Nature, 2016, 536, 159-164.	27.8	104
15	Phase evolution in single-crystalline LiFePO4 followed by in situ scanning X-ray microscopy of a micrometre-sized battery. Nature Communications, 2015, 6, 6045.	12.8	72
16	Nanosheets of Earth-Abundant Jarosite as Novel Anodes for High-Rate and Long-Life Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 10518-10524.	8.0	15
17	Thermodynamics of Lithium Storage at Abrupt Junctions: Modeling and Experimental Evidence. Physical Review Letters, 2014, 112, .	7.8	64
18	Ge/C Nanowires as High-Capacity and Long-Life Anode Materials for Li-Ion Batteries. ACS Nano, 2014, 8, 7051-7059.	14.6	198

#	Article	IF	Citations
19	Free-standing Ag/C coaxial hybrid electrodes as anodes for Li-ion batteries. Nanoscale, 2013, 5, 11568.	5.6	9
20	Wetting Behavior of Carbon in Molten Carbonate. Journal of the Electrochemical Society, 2012, 159, D597-D604.	2.9	23
21	Scientific and technical maturity of molten carbonate technology. International Journal of Hydrogen Energy, 2012, 37, 19280-19288.	7.1	12
22	Mathematical Model of Carbon Corrosion in a Direct Carbon Fuel Cell. ECS Transactions, 2010, 28, 31-43.	0.5	5