

# Chia-Chin Chen

## List of Publications by Year in descending order

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22  
papers

926  
citations

758635

12  
h-index

713013

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1645  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ge/C Nanowires as High-Capacity and Long-Life Anode Materials for Li-Ion Batteries. ACS Nano, 2014, 8, 7051-7059.	7.3	198
2	A High Power “High Energy Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> Sodium Cathode: Investigation of Transport Parameters, Rational Design and Realization. Chemistry of Materials, 2017, 29, 5207-5215.	3.2	141
3	Synergistic, ultrafast mass storage and removal in artificial mixed conductors. Nature, 2016, 536, 159-164.	13.7	104
4	Fictitious phase separation in Li layered oxides driven by electro-autocatalysis. Nature Materials, 2021, 20, 991-999.	13.3	101
5	Decoupling electron and ion storage and the path from interfacial storage to artificial electrodes. Nature Energy, 2018, 3, 102-108.	19.8	75
6	Phase evolution in single-crystalline LiFePO <sub>4</sub> followed by in situ scanning X-ray microscopy of a micrometre-sized battery. Nature Communications, 2015, 6, 6045.	5.8	72
7	Thermodynamics of Lithium Storage at Abrupt Junctions: Modeling and Experimental Evidence. Physical Review Letters, 2014, 112, .	2.9	64
8	Space charge storage in composites: thermodynamics. Physical Chemistry Chemical Physics, 2017, 19, 6379-6396.	1.3	29
9	Wetting Behavior of Carbon in Molten Carbonate. Journal of the Electrochemical Society, 2012, 159, D597-D604.	1.3	23
10	Anode modeling of a molten-carbonate based direct carbon fuel cell. Journal of Power Sources, 2017, 353, 312-322.	4.0	17
11	Interfacial mass storage in nanocomposites. Solid State Ionics, 2018, 318, 54-59.	1.3	17
12	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.	4.0	15
13	Microscopic Dynamics of Li <sup>+</sup> in Rutile TiO <sub>2</sub> Revealed by 8Li <sup>+</sup> -Detected Nuclear Magnetic Resonance. Chemistry of Materials, 2017, 29, 10187-10197.	3.2	13
14	Scientific and technical maturity of molten carbonate technology. International Journal of Hydrogen Energy, 2012, 37, 19280-19288.	3.8	12
15	Kinetics of Space Charge Storage in Composites. Advanced Functional Materials, 2018, 28, 1705999.	7.8	12
16	Spring-Like Pseudoelasticity of Monocrystalline Cu <sub>2</sub> S Nanowire. Nano Letters, 2018, 18, 5070-5077.	4.5	11
17	Free-standing Ag/C coaxial hybrid electrodes as anodes for Li-ion batteries. Nanoscale, 2013, 5, 11568.	2.8	9
18	Mathematical Model of Carbon Corrosion in a Direct Carbon Fuel Cell. ECS Transactions, 2010, 28, 31-43.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Increased Storage through Heterogeneous Doping. Chemistry of Materials, 2018, 30, 5041-5049.	3.2	4
20	Synergistic silver storage in the composite RbAg <sub>4</sub> I <sub>5</sub> :graphite: Thermodynamics and kinetics. Solid State Ionics, 2017, 312, 97-105.	1.3	2
21	Electro-chemo-mechanical charge carrier equilibrium at interfaces. Physical Chemistry Chemical Physics, 2021, 23, 23730-23740.	1.3	2
22	Discrete Modeling of Ionic Space Charge Zones in Solids. Physical Chemistry Chemical Physics, 2022, , .	1.3	0