

# Chih-Wei Hu

## List of Publications by Year in descending order

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17  
papers

343  
citations

933447

10  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

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times ranked

649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preferential lattice expansion of polypropylene in a trilayer polypropylene/polyethylene/polypropylene microporous separator in Li-ion batteries. <i>Scientific Reports</i> , 2021, 11, 1929.	3.3	3
2	Study on the dynamics of a vanadium doped $\text{LiFePO}_4$ lithium-ion battery using quasi-elastic neutron scattering technique. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 507-511.	1.4	7
3	Vanadium-based polyoxometalate as electron/ion sponge for lithium-ion storage. <i>Journal of Power Sources</i> , 2019, 435, 226702.	7.8	30
4	Cyclability evaluation on Si based Negative Electrode in Lithium ion Battery by Graphite Phase Evolution: an operando X-ray diffraction study. <i>Scientific Reports</i> , 2019, 9, 1299.	3.3	5
5	Atomic scale Pt decoration promises oxygen reduction properties of Co@Pd nanocatalysts in alkaline electrolytes for 310k redox cycles. <i>Sustainable Energy and Fuels</i> , 2018, 2, 946-957.	4.9	13
6	Mechanism of Sodium Ion Storage in $\text{Na}_7[\text{H}_2\text{PV}_{14}\text{O}_{42}]$ Anode for Sodium-ion Batteries. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800491.	3.7	18
7	X-ray Absorption Spectroscopy and In-Operando Neutron Diffraction Studies on Local Structure Fading Induced Irreversibility in a $18\text{-}\mu\text{m}$ Cell with $\text{P}_2\text{Na}_2/\text{3Fe}_1/\text{3Mn}_2/\text{3O}_2$ Cathode in a Long Cycle Test. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12623-12632.	3.1	10
8	The synergistic effects of combining the high energy mechanical milling and wet milling on Si negative electrode materials for lithium ion battery. <i>Journal of Power Sources</i> , 2017, 349, 111-120.	7.8	30
9	Rapid crystal growth of bimetallic PdPt nanocrystals with surface atomic Pt cluster decoration provides promising oxygen reduction activity. <i>RSC Advances</i> , 2017, 7, 55110-55120.	3.6	10
10	Lithiation-induced crystal restructuring of hydrothermally prepared $\text{Sn}/\text{TiO}_2$ nanocrystallite with substantially enhanced capacity and cycling performance for lithium-ion battery. <i>RSC Advances</i> , 2016, 6, 48620-48629.	3.6	3
11	Structural evolution in $\text{LiFePO}_4$ -based battery materials: In-situ and ex-situ time-of-flight neutron diffraction study. <i>Journal of Power Sources</i> , 2014, 258, 356-364.	7.8	52
12	Real-time investigation on the influences of vanadium additives to the structural and chemical state evolutions of $\text{LiFePO}_4$ for enhancing the electrochemical performance of lithium-ion battery. <i>Journal of Power Sources</i> , 2014, 270, 449-456.	7.8	8
13	Rutile-type $(\text{Ti},\text{Sn})\text{O}_2$ nanorods as efficient anode materials toward its lithium storage capabilities. <i>Nanoscale</i> , 2013, 5, 2254.	5.6	16
14	Real-time investigation of the structural evolution of electrodes in a commercial lithium-ion battery containing a V-added $\text{LiFePO}_4$ cathode using in-situ neutron powder diffraction. <i>Journal of Power Sources</i> , 2013, 244, 158-163.	7.8	28
15	Vanadium Substitution of $\text{LiFePO}_4$ Cathode Materials To Enhance the Capacity of $\text{LiFePO}_4$ -Based Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24424-24429.	3.1	63
16	Structure and magnetism of $\text{BaTi}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ multiferroics. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	6
17	Tetragonal and hexagonal polymorphs of $\text{BaTi}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ multiferroics using x-ray and Raman analyses. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	41