

# Chih-Wei Hu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10572065/publications.pdf>

Version: 2024-02-01

17  
papers

343  
citations

933447

10  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanadium Substitution of LiFePO <sub>4</sub> Cathode Materials To Enhance the Capacity of LiFePO <sub>4</sub> -Based Lithium-Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 24424-24429.	3.1	63
2	Structural evolution in LiFePO <sub>4</sub> -based battery materials: In-situ and ex-situ time-of-flight neutron diffraction study. Journal of Power Sources, 2014, 258, 356-364.	7.8	52
3	Tetragonal and hexagonal polymorphs of BaTi <sup>x</sup> Fe <sup>x</sup> O <sub>3</sub> <sup>y</sup> multiferroics using x-ray and Raman analyses. Applied Physics Letters, 2011, 99, .	3.3	41
4	The synergistic effects of combining the high energy mechanical milling and wet milling on Si negative electrode materials for lithium ion battery. Journal of Power Sources, 2017, 349, 111-120.	7.8	30
5	Vanadium-based polyoxometalate as electron/ion sponge for lithium-ion storage. Journal of Power Sources, 2019, 435, 226702.	7.8	30
6	Real-time investigation of the structural evolution of electrodes in a commercial lithium-ion battery containing a V-added LiFePO <sub>4</sub> cathode using in-situ neutron powder diffraction. Journal of Power Sources, 2013, 244, 158-163.	7.8	28
7	Mechanism of Sodium Ion Storage in Na <sub>7</sub> [H <sub>2</sub> PV <sub>14</sub> O <sub>42</sub> ] Anode for Sodium-Ion Batteries. Advanced Materials Interfaces, 2018, 5, 1800491.	3.7	18
8	Rutile-type (Ti,Sn)O <sub>2</sub> nanorods as efficient anode materials toward its lithium storage capabilities. Nanoscale, 2013, 5, 2254.	5.6	16
9	Atomic scale Pt decoration promises oxygen reduction properties of Co@Pd nanocatalysts in alkaline electrolytes for 310k redox cycles. Sustainable Energy and Fuels, 2018, 2, 946-957.	4.9	13
10	Rapid crystal growth of bimetallic PdPt nanocrystals with surface atomic Pt cluster decoration provides promising oxygen reduction activity. RSC Advances, 2017, 7, 55110-55120.	3.6	10
11	X-ray Absorption Spectroscopy and In-Operando Neutron Diffraction Studies on Local Structure Fading Induced Irreversibility in a 18Ah 650 Cell with P <sub>2</sub> Na <sub>2</sub> /3Fe <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> Cathode in a Long Cycle Test. Journal of Physical Chemistry C, 2018, 122, 12623-12632.	3.1	10
12	Real-time investigation on the influences of vanadium additives to the structural and chemical state evolutions of LiFePO <sub>4</sub> for enhancing the electrochemical performance of lithium-ion battery. Journal of Power Sources, 2014, 270, 449-456.	7.8	8
13	Study on the dynamics of a vanadium doped LiFePO <sub>4</sub> lithium-ion battery using quasi-elastic neutron scattering technique. Journal of the Chinese Chemical Society, 2021, 68, 507-511.	1.4	7
14	Structure and magnetism of BaTi <sup>x</sup> Fe <sup>x</sup> O <sub>3</sub> <sup>y</sup> multiferroics. Journal of Applied Physics, 2012, 111, .	2.5	6
15	Cyclability evaluation on Si based Negative Electrode in Lithium ion Battery by Graphite Phase Evolution: an operando X-ray diffraction study. Scientific Reports, 2019, 9, 1299.	3.3	5
16	Lithiation-induced crystal restructuring of hydrothermally prepared Sn/TiO <sub>2</sub> nanocrystallite with substantially enhanced capacity and cycling performance for lithium-ion battery. RSC Advances, 2016, 6, 48620-48629.	3.6	3
17	Preferential lattice expansion of polypropylene in a trilayer polypropylene/polyethylene/polypropylene microporous separator in Li-ion batteries. Scientific Reports, 2021, 11, 1929.	3.3	3