

# Weifeng Huang

## List of Publications by Year in descending order

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27  
papers

1,823  
citations

430874

18  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

3346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical investigation of tunable magnetism in Au@Ni-carbide nanocrystals by a combined soft and hard X-ray absorption spectroscopy. <i>Nano Research</i> , 2022, 15, 4320-4326.	10.4	3
2	Long-range ordering and local structural disordering of BiAgSe <sub>2</sub> and BiAgSeTe thermoelectrics. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24328-24335.	2.8	1
3	A multi-purpose high-pressure and high temperature gas-flow cell for operando optical Raman spectroscopy. <i>Review of Scientific Instruments</i> , 2021, 92, 113003.	1.3	0
4	Unveiling the atomic defects and electronic structure of Cu <sub>2.2</sub> Zn <sub>0.8</sub> SnSe <sub>4</sub> Te <sub>x</sub> ( <i>x</i> = 0 to 0.04) by X-ray absorption fine structure spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9362-9367.	2.8	2
5	Three-dimensional hollow spheres of the tetragonal-spinel MgMn <sub>2</sub> O <sub>4</sub> cathode for high-performance magnesium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8210-8214.	10.3	52
6	High pressure experimental studies on Na <sub>3</sub> Fe(PO <sub>4</sub> )(CO <sub>3</sub> ) and Na <sub>3</sub> Mn(PO <sub>4</sub> )(CO <sub>3</sub> ): Extensive pressure behaviors of carbonophosphates family. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 115, 248-253.	4.0	5
7	Thermodynamic Activation of Charge Transfer in Anionic Redox Process for Li-ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704864.	14.9	49
8	Reversible Fe(II) uptake/release by magnetite nanoparticles. <i>Environmental Science: Nano</i> , 2018, 5, 1545-1555.	4.3	20
9	High pressure structural investigation on alluaudites Na <sub>2</sub> Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> -Na <sub>2</sub> FeMn <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> system. <i>Journal of Solid State Chemistry</i> , 2017, 247, 156-160.	2.9	4
10	Defect-Engineered Ultrathin MnO <sub>2</sub> Nanosheet Arrays as Bifunctional Electrodes for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2017, 7, 1700005.	19.5	553
11	Water Splitting: Defect-Engineered Ultrathin MnO <sub>2</sub> Nanosheet Arrays as Bifunctional Electrodes for Efficient Overall Water Splitting ( <i>Adv. Energy Mater.</i> 18/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	6
12	Application of Synchrotron Radiation Technologies to Electrode Materials for Li- and Na-ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700460.	19.5	39
13	Formation of graphene-encapsulated CoS <sub>2</sub> hybrid composites with hierarchical structures for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 39427-39433.	3.6	26
14	Remarkable SERS Activity Observed from Amorphous ZnO Nanocages. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9851-9855.	13.8	238
15	Remarkable SERS Activity Observed from Amorphous ZnO Nanocages. <i>Angewandte Chemie</i> , 2017, 129, 9983-9987.	2.0	47
16	Fabrication of graphene-encapsulated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as high-performance cathode materials for sodium-ion batteries. <i>RSC Advances</i> , 2016, 6, 43591-43597.	3.6	39
17	Tuning the Electronic Structure of the Metal-Oxygen Group by Silicon Substitution in Lithium-Rich Manganese-Based Oxides for Superior Performance. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13421-13426.	3.1	23
18	Sol-gel design strategy for embedded Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> particles into carbon matrices for high-performance sodium-ion batteries. <i>Carbon</i> , 2016, 96, 1028-1033.	10.3	77

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19	Decoupling the Lattice Distortion and Charge Doping Effects on the Phase Transition Behavior of VO <sub>2</sub> by Titanium (Ti <sup>4+</sup> ) Doping. <i>Scientific Reports</i> , 2015, 5, 9328.	3.3	84
20	Self-Assembled Alluaudite Na <sub>2</sub> Fe <sup>3+</sup> Mn(PO <sub>4</sub> ) <sub>3</sub> Micro/Nanocompounds for Sodium-Ion Battery Electrodes: A New Insight into Their Electronic and Geometric Structure. <i>Chemistry - A European Journal</i> , 2015, 21, 851-860.	3.3	63
21	A New Route Toward Improved Sodium Ion Batteries: A Multifunctional Fluffy Na <sub>0.67</sub> FePO <sub>4</sub> /CNT Nanocactus. <i>Small</i> , 2015, 11, 2170-2176.	10.0	43
22	Compressibility of carbonophosphate bradleyite Na <sub>3</sub> Mg(CO <sub>3</sub> )(PO <sub>4</sub> ) by X-ray diffraction and Raman spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 191-201.	0.8	16
23	Manipulating the Electronic Structure of Li-Rich Manganese-Based Oxide Using Polyanions: Towards Better Electrochemical Performance. <i>Advanced Functional Materials</i> , 2014, 24, 5112-5118.	14.9	259
24	Phase Separations in LiFeMnPO <sub>4</sub> : A Random Stack Model for Efficient Cathode Materials. <i>Journal of Physical Chemistry C</i> , 2014, 118, 796-803.	3.1	31
25	Depressed transition temperature of W <sub>x</sub> V <sub>1-x</sub> O <sub>2</sub> : mechanistic insights from the X-ray absorption fine structure (XAFS) spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17705.	2.8	66
26	Detailed investigation of Na <sub>2.24</sub> FePO <sub>4</sub> CO <sub>3</sub> as a cathode material for Na-ion batteries. <i>Scientific Reports</i> , 2014, 4, 4188.	3.3	75
27	A self-acting water pump control system for residential buildings based on resonance water level sensor. , 2011, , .		2