

# Wei Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

4,139  
citations

361413

20  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

6340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Latest advances in supercapacitors: from new electrode materials to novel device designs. <i>Chemical Society Reviews</i> , 2017, 46, 6816-6854.	38.1	1,567
2	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal-Organic Frameworks and $\text{Ti}_3\text{C}_2\text{T}_x$ Nanosheets for Electrocatalytic Oxygen Evolution. <i>ACS Nano</i> , 2017, 11, 5800-5807.	14.6	557
3	Hybrid 2D Metal-Organic Frameworks for Enhanced Water Oxidation Catalysis. <i>Advanced Functional Materials</i> , 2018, 28, 1801554.	14.9	550
4	3D Graphene Foam as a Monolithic and Macroporous Carbon Electrode for Electrochemical Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3129-3133.	8.0	292
5	Porous hollow $\text{Co}_3\text{O}_4$ with rhombic dodecahedral structures for high-performance supercapacitors. <i>Nanoscale</i> , 2014, 6, 14354-14359.	5.6	252
6	Hierarchical layer-by-layer porous $\text{FeCo}_2\text{S}_4@(\text{Ni}(\text{OH})_2)$ arrays for all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20480-20490.	10.3	102
7	Metal-Organic Framework Derived Iron Sulfide-Shell Nanorods as a Conversion-Type Battery Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5039-5048.	6.7	82
8	Self-supported multidimensional $\text{Ni-Fe}$ phosphide networks with holey nanosheets for high-performance all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17386-17399.	10.3	72
9	Bifunctional and Self-Supported $\text{NiFeP}$ -Layer-Coated $\text{NiP}$ Rods for Electrochemical Water Splitting in Alkaline Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23702-23713.	8.0	69
10	Well-defined cobalt sulfide nanoparticles locked in 3D hollow nitrogen-doped carbon shells for superior lithium and sodium storage. <i>Energy Storage Materials</i> , 2019, 18, 114-124.	18.0	62
11	Surfactant-dependent flower- and grass-like $\text{Zn}_{0.76}\text{Co}_{0.24}\text{S}/\text{Co}_3\text{S}_4$ for high-performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22830-22839.	10.3	60
12	Effective synthetic strategy for $\text{Zn}_{0.76}\text{Co}_{0.24}\text{S}$ encapsulated in stabilized N-doped carbon nanoarchitecture towards ultra-long-life hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14670-14680.	10.3	59
13	Three-dimensional iron sulfide-carbon interlocked graphene composites for high-performance sodium-ion storage. <i>Nanoscale</i> , 2018, 10, 7851-7859.	5.6	56
14	Interfacial engineering enables $\text{Bi@C-TiO}$ microspheres as superpower and long life anode for lithium-ion batteries. <i>Nano Energy</i> , 2018, 51, 137-145.	16.0	55
15	Graphene encapsulated $\text{Fe}_3\text{O}_4$ nanorods assembled into a mesoporous hybrid composite used as a high-performance lithium-ion battery anode material. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1185-1193.	5.9	41
16	Electronic structure modulation with ultrafine $\text{Fe}_3\text{O}_4$ nanoparticles on 2D Ni-based metal-organic framework layers for enhanced oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2022, 65, 78-88.	12.9	41
17	Three-Dimensional Sulfite Oxidase Bioanodes Based on Graphene Functionalized Carbon Paper for Sulfite/ $\text{O}_2$ Biofuel Cells. <i>ACS Catalysis</i> , 2019, 9, 6543-6554.	11.2	34
18	Carbon coated copper sulfides nanosheets synthesized via directly sulfurizing Metal-Organic Frameworks for lithium batteries. <i>Materials Letters</i> , 2016, 181, 340-344.	2.6	29

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19	Rational construction of ternary ZnNiP arrayed structures derived from 2D MOFs for advanced hybrid supercapacitors and Zn batteries. <i>Electrochimica Acta</i> , 2021, 387, 138548.	5.2	25
20	Recent Progress of Two-dimensional Metal-Organic Frameworks and Their Derivatives for Oxygen Evolution Electrocatalysis. <i>ChemElectroChem</i> , 2020, 7, 4695-4712.	3.4	21
21	Bilirubin oxidase oriented on novel type three-dimensional biocathodes with reduced graphene aggregation for biocathode. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112500.	10.1	20
22	Phosphorous-doped bimetallic sulfides embedded in heteroatom-doped carbon nanoarrays for flexible all-solid-state supercapacitors. <i>Science China Materials</i> , 2021, 64, 2439-2453.	6.3	19
23	Three-dimensional hollow nitrogen-doped carbon shells enclosed monodisperse CoP nanoparticles for long cycle-life sodium storage. <i>Electrochimica Acta</i> , 2021, 395, 139112.	5.2	19
24	Microwave assisted crystalline and morphology evolution of flower-like Fe <sub>2</sub> O <sub>3</sub> @ iron doped K-birnessite composite and its application for lithium ion storage. <i>Applied Surface Science</i> , 2020, 525, 146513.	6.1	18
25	Optimal structuring of nitrogen-doped hybrid-dimensional nanocarbons for high-performance flexible solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7501-7515.	10.3	13
26	Boosting the electrocatalytic hydrogen evolution and sodium-storage properties of Co <sub>9</sub> S <sub>8</sub> nanoparticles via encapsulation with nitrogen-doped few-layer graphene networks. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4618-4627.	4.9	9
27	General Syntheses of Nanotubes Induced by Block Copolymer Self-Assembly. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800125.	3.9	7
28	Initiation and Progression of Anisotropic Galvanic Replacement Reactions in a Single Ag Nanowire: Implications for Nanostructure Synthesis. <i>ACS Applied Nano Materials</i> , 2021, 4, 12346-12355.	5.0	6
29	CoP Nanoparticles Fabricated Through the Nanoscale Kirkendall Effect Immobilized in 3D Hollow Carbon Frameworks for Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2021, 168, 094501.	2.9	2
30	Highly Isolated Cobalt Sulfide Nanoparticles Encapsulated in 3D Hollow Nitrogen Doped Carbon Sheells for Superior Lithium and Sodium Storage. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0