

# Fei Wu

## List of Publications by Year in descending order

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33  
papers

2,477  
citations

361045

20  
h-index

395343

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

4802  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel Nanoparticles Encapsulated in Few-Layer Nitrogen-Doped Graphene Derived from Metal-Organic Frameworks as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Materials</i> , 2017, 29, 1605957.	11.1	507
2	Investigating the Role of Tunable Nitrogen Vacancies in Graphitic Carbon Nitride Nanosheets for Efficient Visible-Light-Driven H <sub>2</sub> Evolution and CO <sub>2</sub> Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7260-7268.	3.2	322
3	Large-Area and High-Quality 2D Transition Metal Telluride. <i>Advanced Materials</i> , 2017, 29, 1603471.	11.1	181
4	Ultrafine Metal Nanoparticles/N-Doped Porous Carbon Hybrids Coated on Carbon Fibers as Flexible and Binder-Free Water Splitting Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1700220.	10.2	156
5	Novel fuel cell with nanocomposite functional layer designed by perovskite solar cell principle. <i>Nano Energy</i> , 2016, 19, 156-164.	8.2	137
6	Exploring the impact of atomic lattice deformation on oxygen evolution reactions based on a sub-5 nm pure face-centred cubic high-entropy alloy electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11938-11947.	5.2	137
7	Unraveling the Potassium Storage Mechanism in Graphite Foam. <i>Advanced Energy Materials</i> , 2019, 9, 1900579.	10.2	133
8	Rapid Pseudocapacitive Sodium-Ion Response Induced by 2D Ultrathin Tin Monoxide Nanoarrays. <i>Advanced Functional Materials</i> , 2017, 27, 1606232.	7.8	108
9	Electron/Ion Sponge-Like V-Based Polyoxometalate: Toward High-Performance Cathode for Rechargeable Sodium Ion Batteries. <i>ACS Nano</i> , 2017, 11, 6911-6920.	7.3	95
10	Hybrid vertical graphene/lithium titanate-CNTs arrays for lithium ion storage with extraordinary performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8916-8921.	5.2	71
11	Self-assembled Cu-Ni bimetal oxide 3D in-plane epitaxial structures for highly efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 56-62.	10.8	62
12	A novel synthesis of carbon nanotubes directly from an indecomposable solid carbon source for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2137-2146.	5.2	59
13	Nanoscale ion intermixing induced activation of Fe <sub>2</sub> O <sub>3</sub> /MnO <sub>2</sub> composites for application in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8510-8518.	5.2	57
14	Phase transition of hollow-porous Fe <sub>2</sub> O <sub>3</sub> microsphere based anodes for lithium ion batteries during high rate cycling. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16569-16575.	5.2	54
15	A Depth-Profiling Study on the Solid Electrolyte Interface: Bis(fluorosulfonyl)imide Anion toward Improved K <sup>+</sup> Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 7942-7951.	2.5	51
16	Morphology controlled lithium storage in Li <sub>3</sub> VO <sub>4</sub> anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 456-463.	5.2	46
17	Phase controllable fabrication of zinc cobalt sulfide hollow polyhedra as high-performance electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale</i> , 2018, 10, 1774-1778.	2.8	36
18	Phase Transformation of GeO <sub>2</sub> Glass to Nanocrystals under Ambient Conditions. <i>Nano Letters</i> , 2018, 18, 3290-3296.	4.5	35

#	ARTICLE	IF	CITATIONS
19	Probing the Performance Limitations in Thin-Film FeVO <sub>4</sub> Photoanodes for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9773-9782.	1.5	32
20	Solution Growth of Ultralong Gold Nanohelices. <i>ACS Nano</i> , 2017, 11, 5538-5546.	7.3	30
21	Extraordinary catalysis induced by titanium foil cathode plasma for degradation of water pollutant. <i>Chemosphere</i> , 2019, 214, 341-348.	4.2	21
22	Enhanced Catalytic Activity Induced by the Nanostructuring Effect in Pd Decoration onto Doped Ceria Enabling an Origami Paper Analytical Device for High Performance of Amyloid- $\beta$ Bioassay. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 33937-33947.	4.0	21
23	In Situ Formation of Decavanadate-Intercalated Layered Double Hydroxide Films on AA2024 and their Anti-Corrosive Properties when Combined with Hybrid Sol Gel Films. <i>Materials</i> , 2017, 10, 426.	1.3	20
24	Passivation of Nickel Nanoneedles in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9073-9077.	1.5	15
25	The Electrochemical Response of Single Crystalline Copper Nanowires to Atmospheric Air and Aqueous Solution. <i>Small</i> , 2017, 13, 1603411.	5.2	15
26	Ternary duplex FeCoNi alloy prepared by cathode plasma electrolytic deposition as a high-efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161934.	2.8	14
27	Electrochemical behaviors of hierarchical copper nano-dendrites in alkaline media. <i>Nano Research</i> , 2018, 11, 4225-4231.	5.8	13
28	Sol-gel synthesis of highly reproducible WO <sub>3</sub> photoanodes for solar water oxidation. <i>Science China Materials</i> , 2020, 63, 2261-2271.	3.5	12
29	Boosting OER activity of stainless steel by cathodic plasma surface modification. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6721-6725.	2.6	10
30	Growth of Lattice Coherent Co <sub>9</sub> S <sub>8</sub> /Co <sub>3</sub> O <sub>4</sub> Nano-Heterostructure for Maximizing the Catalysis of Co-Based Composites. <i>ChemCatChem</i> , 2020, 12, 2431-2435.	1.8	9
31	Evidence of a nanosized copper anodic reaction in an anaerobic sulfide aqueous solution. <i>RSC Advances</i> , 2016, 6, 19937-19943.	1.7	8
32	Staging: Unraveling the Potassium Storage Mechanism in Graphite Foam ( <i>Adv. Energy Mater.</i> 22/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970081.	10.2	5
33	Investigation of the Crevice Corrosion Behavior of 316L Stainless Steel in Sulfate-Reducing Bacteria-Inoculated Artificial Seawater Using the Wire Beam Electrode. <i>Journal of Materials Engineering and Performance</i> , 0, , .	1.2	1