

# Hui Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1525261/publications.pdf>

Version: 2024-02-01

25  
papers

2,148  
citations

471509

17  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering oxygen vacancy on NiO nanorod arrays for alkaline hydrogen evolution. <i>Nano Energy</i> , 2018, 43, 103-109.	16.0	515
2	Ruthenium-Based Single-Atom Alloy with High Electrocatalytic Activity for Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2019, 9, 1803913.	19.5	270
3	Engineering NiO/NiFe LDH Intersection to Bypass Scaling Relationship for Oxygen Evolution Reaction via Dynamic Tridimensional Adsorption of Intermediates. <i>Advanced Materials</i> , 2019, 31, e1804769.	21.0	264
4	A silver catalyst activated by stacking faults for the hydrogen evolution reaction. <i>Nature Catalysis</i> , 2019, 2, 1107-1114.	34.4	245
5	Ir <sup>IV</sup> Catalytic Group in Ir-Doped NiV(OH) <sub>2</sub> for Overall Water Splitting. <i>ACS Energy Letters</i> , 2019, 4, 1823-1829.	17.4	147
6	Laser-Prepared CuZn Alloy Catalyst for Selective Electrochemical Reduction of CO <sub>2</sub> to Ethylene. <i>Langmuir</i> , 2018, 34, 13544-13549.	3.5	114
7	A top-down strategy towards monodisperse colloidal lead sulphide quantum dots. <i>Nature Communications</i> , 2013, 4, 1695.	12.8	106
8	Strongly Coupled CoO Nanoclusters/CoFe LDHs Hybrid as a Synergistic Catalyst for Electrochemical Water Oxidation. <i>Small</i> , 2018, 14, e1800195.	10.0	91
9	Iridium Oxide Modified with Silver Single Atom for Boosting Oxygen Evolution Reaction in Acidic Media. <i>ACS Energy Letters</i> , 0, , 1588-1595.	17.4	69
10	Porous Cobalt-Nickel Hydroxide Nanosheets with Active Cobalt Ions for Overall Water Splitting. <i>Small</i> , 2019, 15, e1804832.	10.0	46
11	Laser-induced oxygen vacancies in FeCo <sub>2</sub> O <sub>4</sub> nanoparticles for boosting oxygen evolution and reduction. <i>Chemical Communications</i> , 2019, 55, 8579-8582.	4.1	41
12	Lattice-strained palladium nanoparticles as active catalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , 2019, 55, 3121-3123.	4.1	38
13	Improving Interfacial Electron Transfer via Tuning Work Function of Electrodes for Electrocatalysis: From Theory to Experiment. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28319-28326.	3.1	30
14	Photochemical Synthesis of Ultrafine Cubic Boron Nitride Nanoparticles under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7051-7054.	13.8	29
15	Facile synthesis of BCNO quantum dots with applications for ion detection, chemosensor and fingerprint identification. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 214-221.	3.9	29
16	Conductive Boron Nitride as Promising Catalyst Support for the Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2020, 10, 1902521.	19.5	28
17	Laser Synthesis of Iridium Nanospheres for Overall Water Splitting. <i>Materials</i> , 2019, 12, 3028.	2.9	19
18	Laser-Produced Cobalt Nickel Phosphate with High-Valence Nickel Ions as an Active Catalyst for the Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 2793-2797.	3.3	18

#	ARTICLE	IF	CITATIONS
19	Ultrathin cadmium sulfide nanosheets for visible-light photocatalytic hydrogen production. Journal of Materials Chemistry A, 2020, 8, 3586-3589.	10.3	13
20	Bond-Energy-Integrated Coordination Number: An Accurate Descriptor for Transition-Metal Catalysts. Journal of Physical Chemistry C, 2019, 123, 28248-28254.	3.1	11
21	Highly Conjugated Graphitic Carbon Nitride Nanofoam for Photocatalytic Hydrogen Evolution. Langmuir, 2022, 38, 1471-1478.	3.5	7
22	Metal-Confined Synthesis of ZnS <sub>2</sub> Monolayer Catalysts for Dinitrogen Electroreduction. ACS Catalysis, 2022, 12, 6809-6815.	11.2	6
23	Exposing Cu(100) Surface via Ion-Implantation-Induced Oxidization and Etching for Promoting Hydrogen Evolution Reaction. Langmuir, 2022, 38, 2993-2999.	3.5	5
24	A silver catalyst with a high-energy surface prepared by plasma spraying for the hydrogen evolution reaction. Chemical Communications, 2022, 58, 2878-2881.	4.1	4
25	Regulating the work function of silver catalysts <i>via</i> surface engineering for enhanced CO <sub>2</sub> electroreduction. Physical Chemistry Chemical Physics, 2022, , .	2.8	3