

# Yujie Sun

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

9,558

citations

39

h-index

75

g-index

75

ext. papers

11,381

ext. citations

11.7

avg, IF

6.94

L-index

#	Paper	IF	Citations
67	A molecular MoS <sub>2</sub> edge site mimic for catalytic hydrogen generation. <i>Science</i> , <b>2012</b> , 335, 698-702	33.3	992
66	Innovative Strategies for Electrocatalytic Water Splitting. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1571-1580	15.0	688
65	Electrodeposited cobalt-phosphorous-derived films as competent bifunctional catalysts for overall water splitting. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6251-4	16.4	638
64	Hierarchically Porous Urchin-Like Ni <sub>2</sub> P Superstructures Supported on Nickel Foam as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Catalysis</i> , <b>2016</b> , 6, 714-721	13.1	604
63	Complexes of earth-abundant metals for catalytic electrochemical hydrogen generation under aqueous conditions. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 2388-400	58.5	518
62	High-Performance Overall Water Splitting Electrocatalysts Derived from Cobalt-Based Metal-Organic Frameworks. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7636-7642	9.6	486
61	Electrodeposited cobalt-sulfide catalyst for electrochemical and photoelectrochemical hydrogen generation from water. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17699-702	16.4	463
60	A General Strategy for Decoupled Hydrogen Production from Water Splitting by Integrating Oxidative Biomass Valorization. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 13639-13646	16.4	416
59	Bimetal-Organic Framework Self-Adjusted Synthesis of Support-Free Nonprecious Electrocatalysts for Efficient Oxygen Reduction. <i>ACS Catalysis</i> , <b>2015</b> , 5, 7068-7076	13.1	361
58	Molecular cobalt pentapyridine catalysts for generating hydrogen from water. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9212-5	16.4	354
57	Nickel sulfides for electrocatalytic hydrogen evolution under alkaline conditions: a case study of crystalline NiS, NiS <sub>2</sub> , and Ni <sub>3</sub> S <sub>2</sub> nanoparticles. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1077-1084	5.5	330
56	Simultaneous H <sub>2</sub> Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9913-7	16.4	275
55	Visible-Light-Driven Valorization of Biomass Intermediates Integrated with H <sub>2</sub> Production Catalyzed by Ultrathin Ni/CdS Nanosheets. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15584-15587	16.4	261
54	Interfacing nickel nitride and nickel boosts both electrocatalytic hydrogen evolution and oxidation reactions. <i>Nature Communications</i> , <b>2018</b> , 9, 4531	17.4	241
53	Hierarchically Porous Nickel Sulfide Multifunctional Superstructures. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502333	21.8	226
52	Electrodeposited Cobalt-Phosphorous-Derived Films as Competent Bifunctional Catalysts for Overall Water Splitting. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6349-6352	3.6	186
51	Hybrid bioinorganic approach to solar-to-chemical conversion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 11461-6	11.5	174

50	Electrodeposited nickel-sulfide films as competent hydrogen evolution catalysts in neutral water. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19407-19414	13	173
49	Efficient H <sub>2</sub> Evolution Coupled with Oxidative Refining of Alcohols via A Hierarchically Porous Nickel Bifunctional Electrocatalyst. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4564-4570	13.1	167
48	Photocatalytic generation of hydrogen from water using a cobalt pentapyridine complex in combination with molecular and semiconductor nanowire photosensitizers. <i>Chemical Science</i> , <b>2013</b> , 4, 118-124	9.4	166
47	Integrating Electrocatalytic 5-Hydroxymethylfurfural Oxidation and Hydrogen Production via Co <sup>II</sup> -Derived Electrocatalysts. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 386-390	20.1	163
46	Universal Surface Engineering of Transition Metals for Superior Electrocatalytic Hydrogen Evolution in Neutral Water. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12283-12290	16.4	151
45	Bifunctionality and Mechanism of Electrodeposited Nickel <sup>II</sup> -Phosphorous Films for Efficient Overall Water Splitting. <i>ChemCatChem</i> , <b>2016</b> , 8, 106-112	5.2	131
44	Microwave vs. solvothermal synthesis of hollow cobalt sulfide nanoprisms for electrocatalytic hydrogen evolution and supercapacitors. <i>Chemical Communications</i> , <b>2015</b> , 51, 4252-5	5.8	117
43	Electrocatalytic and photocatalytic hydrogen evolution integrated with organic oxidation. <i>Chemical Communications</i> , <b>2018</b> , 54, 5943-5955	5.8	88
42	Interfacial Sites between Cobalt Nitride and Cobalt Act as Bifunctional Catalysts for Hydrogen Electrochemistry. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1594-1601	20.1	83
41	Electrolyzer Design for Flexible Decoupled Water Splitting and Organic Upgrading with Electron Reservoirs. <i>Chem</i> , <b>2018</b> , 4, 637-649	16.2	81
40	Simultaneous H <sub>2</sub> Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10067-10071	3.6	75
39	Electrocatalytic Upgrading of Biomass-Derived Intermediate Compounds to Value-Added Products. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18258-18270	4.8	74
38	Enhanced Electrocatalytic Hydrogen Oxidation on Ni/NiO/C Derived from a Nickel-Based Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 10644-10649	16.4	73
37	Facile Surface Modification of Ubiquitous Stainless Steel Led to Competent Electrocatalysts for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4778-4784	8.3	57
36	Chalcogenide and Phosphide Solid-State Electrocatalysts for Hydrogen Generation. <i>ChemPlusChem</i> , <b>2016</b> , 81, 1045-1055	2.8	53
35	Universal molecular-confined synthesis of interconnected porous metal oxides-N-C frameworks for electrocatalytic water splitting. <i>Nano Energy</i> , <b>2018</b> , 48, 600-606	17.1	50
34	Metal-Organic Frameworks and Their Derivatives for Photocatalytic Water Splitting. <i>Inorganics</i> , <b>2017</b> , 5, 40	2.9	50
33	A nickel complex with a biscarbene pincer-type ligand shows high electrocatalytic reduction of CO <sub>2</sub> over H <sub>2</sub> O. <i>Dalton Transactions</i> , <b>2015</b> , 44, 16247-50	4.3	47

32	Water-Soluble Iron(IV)-Oxo Complexes Supported by Pentapyridine Ligands: Axial Ligand Effects on Hydrogen Atom and Oxygen Atom Transfer Reactivity. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5879-87	5.1	47
31	Competent overall water-splitting electrocatalysts derived from ZIF-67 grown on carbon cloth. <i>RSC Advances</i> , <b>2016</b> , 6, 73336-73342	3.7	46
30	Electropolymerization of Aniline on Nickel-Based Electrocatalysts Substantially Enhances Their Performance for Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3-8	6.1	44
29	Electrocatalysis of Furfural Oxidation Coupled with H <sub>2</sub> Evolution via Nickel-Based Electrocatalysts in Water. <i>ChemNanoMat</i> , <b>2017</b> , 3, 491-495	3.5	41
28	Integrated design for electrocatalytic carbon dioxide reduction. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 2711-2720	5.5	35
27	Photocatalytic Pinacol C-C Coupling and Jet Fuel Precursor Production on ZnIn <sub>2</sub> S <sub>4</sub> Nanosheets. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9346-9355	13.1	33
26	Morphology-activity correlation in hydrogen evolution catalyzed by cobalt sulfides. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 279-285	6.8	29
25	Highly Selective Photocatalytic Valorization of Lignin Model Compounds Using Ultrathin Metal/CdS. <i>ACS Catalysis</i> , <b>2019</b> , 9, 11341-11349	13.1	29
24	Nickel(ii) pincer complexes demonstrate that the remote substituent controls catalytic carbon dioxide reduction. <i>Chemical Communications</i> , <b>2018</b> , 54, 3819-3822	5.8	28
23	Electrochemical oxidation to construct a nickel sulfide/oxide heterostructure with improvement of capacitance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11611-11615	13	28
22	Recent Progress in Decoupled H <sub>2</sub> and O <sub>2</sub> Production from Electrolytic Water Splitting. <i>ChemElectroChem</i> , <b>2019</b> , 6, 2157-2166	4.3	25
21	Enhanced Electrocatalytic Hydrogen Oxidation on Ni/NiO/C Derived from a Nickel-Based Metal-Organic Framework. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10754-10759	3.6	24
20	Recent advances of nonprecious and bifunctional electrocatalysts for overall water splitting. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 3211-3228	5.8	24
19	Visible-light-driven organic transformations integrated with H <sub>2</sub> production on semiconductors. <i>Materials Advances</i> , <b>2020</b> , 1, 2155-2162	3.3	14
18	Microwave Synthesis of Ultrathin Nickel Hydroxide Nanosheets with Iron Incorporation for Electrocatalytic Water Oxidation. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 1961-1968	6.1	12
17	Multifunctional electrocatalysts of nickel boride nanoparticles for superior hydrogen oxidation and water splitting. <i>Materials Today Energy</i> , <b>2021</b> , 22, 100846	7	12
16	Electrohydrodimerization of biomass-derived furfural generates a jet fuel precursor. <i>Green Chemistry</i> , <b>2020</b> , 22, 5395-5401	10	11
15	Visible-light-driven organic transformations on semiconductors. <i>Materials Today Physics</i> , <b>2021</b> , 16, 100297	10	10

14	Hybrid water electrolysis: Replacing oxygen evolution reaction for energy-efficient hydrogen production and beyond. <i>Materials Reports Energy</i> , <b>2021</b> , 1, 100004		9
13	The production of valuable biopolymer precursors from fructose. <i>Green Chemistry</i> , <b>2020</b> , 22, 6531-6539	10	8
12	Electrocatalytic synthesis of heterocycles from biomass-derived furfuryl alcohols. <i>Nature Communications</i> , <b>2021</b> , 12, 1868	17.4	7
11	Electrocatalytic Valorization of Organosolv Lignin Utilizing a Nickel-Based Electrocatalyst. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 12703-12709	4.1	6
10	Super-resolution analyzing spatial organization of lysosomes with an organic fluorescent probe. <i>Exploration</i> , 0210215		5
9	Charge Transfer of Interfacial Catalysts for Hydrogen Energy	967-977	5
8	Two-photon-absorbing ruthenium complexes enable near infrared light-driven photocatalysis.. <i>Nature Communications</i> , <b>2022</b> , 13, 2288	17.4	3
7	De novo Design of A Membrane-anchored Probe for Multi-dimensional Quantification of Endocytic Dynamics.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2102185	10.1	2
6	Flexible on-site halogenation paired with hydrogenation using halide electrolysis. <i>Green Chemistry</i> , <b>2021</b> , 23, 2037-2043	10	2
5	Röntgenbild: Electrodeposited Cobalt-Phosphorous-Derived Films as Competent Bifunctional Catalysts for Overall Water Splitting (Angew. Chem. 21/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6470-6470	3.6	1
4	Defective Ultrathin ZnIn S for Photoreductive Deuteration of Carbonyls Using D <sub>2</sub> O as the Deuterium Source. <i>Advanced Science</i> , <b>2021</b> , e2103408	13.6	1
3	Microwave-Assisted Production of 5-Hydroxymethylfurfural from Glucose. <i>ChemistrySelect</i> , <b>2021</b> , 6, 10582-10586		
2	Interfacing metals and compounds for enhanced hydrogen evolution from water splitting. <i>MRS Bulletin</i> , <b>2020</b> , 45, 548-554	3.2	1
1	Near-infrared light photocatalysis enabled by a ruthenium complex-integrated metal-organic framework via two-photon absorption.. <i>IScience</i> , <b>2022</b> , 25, 104064	6.1	0