Yujie Sun

List of Publications by Year in Descending Order

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	De novo Design of A Membrane-anchored Probe for Multi-dimensional Quantification of Endocytic Dynamics.. *Advanced Healthcare Materials*, **2022**, e2102185	10.1	2
66	Near-infrared light photocatalysis enabled by a ruthenium complex-integrated metal-organic framework via two-photon absorption.. *IScience*, **2022**, 25, 104064	6.1	0
65	Two-photon-absorbing ruthenium complexes enable near infrared light-driven photocatalysis.. *Nature Communications*, **2022**, 13, 2288	17.4	3
64	Defective Ultrathin ZnIn S for Photoreductive Deuteration of Carbonyls Using D O as the Deuterium Source. *Advanced Science*, **2021**, e2103408	13.6	1
63	Microwave-Assisted Production of 5-Hydroxymethylfurfural from Glucose. *ChemistrySelect*, **2021**, 6, 10582-10586	1.8	6
62	Electrocatalytic synthesis of heterocycles from biomass-derived furfuryl alcohols. *Nature Communications*, **2021**, 12, 1868	17.4	7
61	Visible-light-driven organic transformations on semiconductors. *Materials Today Physics*, **2021**, 16, 100297	8.7	10
60	Hybrid water electrolysis: Replacing oxygen evolution reaction for energy-efficient hydrogen production and beyond. *Materials Reports Energy*, **2021**, 1, 100004		9
59	Multifunctional electrocatalysts of nickel boride nanoparticles for superior hydrogen oxidation and water splitting. *Materials Today Energy*, **2021**, 22, 100846	7	12
58	Flexible on-site halogenation paired with hydrogenation using halide electrolysis. *Green Chemistry*, **2021**, 23, 2037-2043	10	2
57	Integrated design for electrocatalytic carbon dioxide reduction. *Catalysis Science and Technology*, **2020**, 10, 2711-2720	5.5	35
56	Recent advances of nonprecious and bifunctional electrocatalysts for overall water splitting. *Sustainable Energy and Fuels*, **2020**, 4, 3211-3228	5.8	24
55	Electrohydrodimerization of biomass-derived furfural generates a jet fuel precursor. *Green Chemistry*, **2020**, 22, 5395-5401	10	11
54	Interfacing metals and compounds for enhanced hydrogen evolution from water splitting. *MRS Bulletin*, **2020**, 45, 548-554	3.2	1
53	Visible-light-driven organic transformations integrated with H2 production on semiconductors. *Materials Advances*, **2020**, 1, 2155-2162	3.3	14
52	Photocatalytic Pinacol C□□ Coupling and Jet Fuel Precursor Production on ZnIn2S4 Nanosheets. *ACS Catalysis*, **2020**, 10, 9346-9355	13.1	33
51	Electrocatalytic Valorization of Organosolv Lignin Utilizing a Nickel-Based Electrocatalyst. *Energy & Fuels*, **2020**, 34, 12703-12709	4.1	6

50	The production of valuable biopolymer precursors from fructose. *Green Chemistry*, **2020**, 22, 6531-6539	10	8
49	Enhanced Electrocatalytic Hydrogen Oxidation on Ni/NiO/C Derived from a Nickel-Based Metal-Organic Framework. *Angewandte Chemie - International Edition*, **2019**, 58, 10644-10649	16.4	73
48	Enhanced Electrocatalytic Hydrogen Oxidation on Ni/NiO/C Derived from a Nickel-Based Metal□Organic Framework. *Angewandte Chemie*, **2019**, 131, 10754-10759	3.6	24
47	Interfacial Sites between Cobalt Nitride and Cobalt Act as Bifunctional Catalysts for Hydrogen Electrochemistry. *ACS Energy Letters*, **2019**, 4, 1594-1601	20.1	83
46	Highly Selective Photocatalytic Valorization of Lignin Model Compounds Using Ultrathin Metal/CdS. *ACS Catalysis*, **2019**, 9, 11341-11349	13.1	29
45	Microwave Synthesis of Ultrathin Nickel Hydroxide Nanosheets with Iron Incorporation for Electrocatalytic Water Oxidation. *ACS Applied Energy Materials*, **2019**, 2, 1961-1968	6.1	12
44	Recent Progress in Decoupled H2 and O2 Production from Electrolytic Water Splitting. *ChemElectroChem*, **2019**, 6, 2157-2166	4.3	25
43	Universal molecular-confined synthesis of interconnected porous metal oxides-N-C frameworks for electrocatalytic water splitting. *Nano Energy*, **2018**, 48, 600-606	17.1	50
42	Electrolyzer Design for Flexible Decoupled Water Splitting and Organic Upgrading with Electron Reservoirs. *CheM*, **2018**, 4, 637-649	16.2	81
41	Electrocatalytic and photocatalytic hydrogen evolution integrated with organic oxidation. *Chemical Communications*, **2018**, 54, 5943-5955	5.8	88
40	Innovative Strategies for Electrocatalytic Water Splitting. *Accounts of Chemical Research*, **2018**, 51, 1571-1580	24.9	688
39	Nickel(ii) pincer complexes demonstrate that the remote substituent controls catalytic carbon dioxide reduction. *Chemical Communications*, **2018**, 54, 3819-3822	5.8	28
38	Electrocatalytic Upgrading of Biomass-Derived Intermediate Compounds to Value-Added Products. *Chemistry - A European Journal*, **2018**, 24, 18258-18270	4.8	74
37	Electropolymerization of Aniline on Nickel-Based Electrocatalysts Substantially Enhances Their Performance for Hydrogen Evolution. *ACS Applied Energy Materials*, **2018**, 1, 3-8	6.1	44
36	Interfacing nickel nitride and nickel boosts both electrocatalytic hydrogen evolution and oxidation reactions. *Nature Communications*, **2018**, 9, 4531	17.4	241
35	Facile Surface Modification of Ubiquitous Stainless Steel Led to Competent Electrocatalysts for Overall Water Splitting. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 4778-4784	8.3	57
34	Efficient H2 Evolution Coupled with Oxidative Refining of Alcohols via A Hierarchically Porous Nickel Bifunctional Electrocatalyst. *ACS Catalysis*, **2017**, 7, 4564-4570	13.1	167
33	Electrocatalysis of Furfural Oxidation Coupled with H2 Evolution via Nickel-Based Electrocatalysts in Water. *ChemNanoMat*, **2017**, 3, 491-495	3.5	41

32	Visible-Light-Driven Valorization of Biomass Intermediates Integrated with H Production Catalyzed by Ultrathin Ni/CdS Nanosheets. *Journal of the American Chemical Society*, **2017**, 139, 15584-15587	16.4	261
31	Universal Surface Engineering of Transition Metals for Superior Electrocatalytic Hydrogen Evolution in Neutral Water. *Journal of the American Chemical Society*, **2017**, 139, 12283-12290	16.4	151
30	Metal□Organic Frameworks and Their Derivatives for Photocatalytic Water Splitting. *Inorganics*, **2017**, 5, 40	2.9	50
29	A General Strategy for Decoupled Hydrogen Production from Water Splitting by Integrating Oxidative Biomass Valorization. *Journal of the American Chemical Society*, **2016**, 138, 13639-13646	16.4	416
28	Simultaneous H2 Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. *Angewandte Chemie - International Edition*, **2016**, 55, 9913-7	16.4	275
27	Simultaneous H2 Generation and Biomass Upgrading in Water by an Efficient Noble-Metal-Free Bifunctional Electrocatalyst. *Angewandte Chemie*, **2016**, 128, 10067-10071	3.6	75
26	Integrating Electrocatalytic 5-Hydroxymethylfurfural Oxidation and Hydrogen Production via Co□P-Derived Electrocatalysts. *ACS Energy Letters*, **2016**, 1, 386-390	20.1	163
25	Hierarchically Porous Nickel Sulfide Multifunctional Superstructures. *Advanced Energy Materials*, **2016**, 6, 1502333	21.8	226
24	Electrochemical oxidation to construct a nickel sulfide/oxide heterostructure with improvement of capacitance. *Journal of Materials Chemistry A*, **2016**, 4, 11611-11615	13	28
23	Morphology□ctivity correlation in hydrogen evolution catalyzed by cobalt sulfides. *Inorganic Chemistry Frontiers*, **2016**, 3, 279-285	6.8	29
22	Hierarchically Porous Urchin-Like Ni2P Superstructures Supported on Nickel Foam as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. *ACS Catalysis*, **2016**, 6, 714-721	13.1	604
21	Nickel sulfides for electrocatalytic hydrogen evolution under alkaline conditions: a case study of crystalline NiS, NiS2, and Ni3S2 nanoparticles. *Catalysis Science and Technology*, **2016**, 6, 1077-1084	5.5	330
20	Chalcogenide and Phosphide Solid-State Electrocatalysts for Hydrogen Generation. *ChemPlusChem*, **2016**, 81, 1045-1055	2.8	53
19	Bifunctionality and Mechanism of Electrodeposited Nickel□Phosphorous Films for Efficient Overall Water Splitting. *ChemCatChem*, **2016**, 8, 106-112	5.2	131
18	Competent overall water-splitting electrocatalysts derived from ZIF-67 grown on carbon cloth. *RSC Advances*, **2016**, 6, 73336-73342	3.7	46
17	Microwave vs. solvothermal synthesis of hollow cobalt sulfide nanoprisms for electrocatalytic hydrogen evolution and supercapacitors. *Chemical Communications*, **2015**, 51, 4252-5	5.8	117
16	Electrodeposited cobalt-phosphorous-derived films as competent bifunctional catalysts for overall water splitting. *Angewandte Chemie - International Edition*, **2015**, 54, 6251-4	16.4	638
15	Bimetal□Organic Framework Self-Adjusted Synthesis of Support-Free Nonprecious Electrocatalysts for Efficient Oxygen Reduction. *ACS Catalysis*, **2015**, 5, 7068-7076	13.1	361

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14	High-Performance Overall Water Splitting Electrocatalysts Derived from Cobalt-Based Metal□Organic Frameworks. *Chemistry of Materials*, **2015**, 27, 7636-7642	9.6	486
13	Hybrid bioinorganic approach to solar-to-chemical conversion. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 11461-6	11.5	174
12	A nickel complex with a biscarbene pincer-type ligand shows high electrocatalytic reduction of CO2 over H2O. *Dalton Transactions*, **2015**, 44, 16247-50	4.3	47
11	R□ktitelbild: Electrodeposited Cobalt-Phosphorous-Derived Films as Competent Bifunctional Catalysts for Overall Water Splitting (Angew. Chem. 21/2015). *Angewandte Chemie*, **2015**, 127, 6470-6470	3.6	1
10	Electrodeposited Cobalt-Phosphorous-Derived Films as Competent Bifunctional Catalysts for Overall Water Splitting. *Angewandte Chemie*, **2015**, 127, 6349-6352	3.6	186
9	Water-Soluble Iron(IV)-Oxo Complexes Supported by Pentapyridine Ligands: Axial Ligand Effects on Hydrogen Atom and Oxygen Atom Transfer Reactivity. *Inorganic Chemistry*, **2015**, 54, 5879-87	5.1	47
8	Electrodeposited nickel-sulfide films as competent hydrogen evolution catalysts in neutral water. *Journal of Materials Chemistry A*, **2014**, 2, 19407-19414	13	173
7	Electrodeposited cobalt-sulfide catalyst for electrochemical and photoelectrochemical hydrogen generation from water. *Journal of the American Chemical Society*, **2013**, 135, 17699-702	16.4	463
6	Complexes of earth-abundant metals for catalytic electrochemical hydrogen generation under aqueous conditions. *Chemical Society Reviews*, **2013**, 42, 2388-400	58.5	518
5	Photocatalytic generation of hydrogen from water using a cobalt pentapyridine complex in combination with molecular and semiconductor nanowire photosensitizers. *Chemical Science*, **2013**, 4, 118-124	9.4	166
4	A molecular MoS□edge site mimic for catalytic hydrogen generation. *Science*, **2012**, 335, 698-702	33.3	992
3	Molecular cobalt pentapyridine catalysts for generating hydrogen from water. *Journal of the American Chemical Society*, **2011**, 133, 9212-5	16.4	354
2	Super-resolution analyzing spatial organization of lysosomes with an organic fluorescent probe. *Exploration*,0210215		5
1	Charge Transfer of Interfacial Catalysts for Hydrogen Energy967-977		5