

# Huanxin Ju

## List of Publications by Year in descending order

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37  
papers

9,635  
citations

159585  
30  
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330143  
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docs citations

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times ranked

11040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO <sub>3</sub> Nanobar Arrays. <i>Angewandte Chemie</i> , 2021, 133, 9443-9447.	2.0	20
2	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO <sub>3</sub> Nanobar Arrays. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9357-9361.	13.8	71
3	Visible-Light-Driven Overall Water Splitting Boosted by Tetrahedrally Coordinated Blende Cobalt(II) Oxide Atomic Layers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3032-3036.	13.8	41
4	Visible-Light-Driven Overall Water Splitting Boosted by Tetrahedrally Coordinated Blende Cobalt(II) Oxide Atomic Layers. <i>Angewandte Chemie</i> , 2019, 131, 3064-3068.	2.0	17
5	Selective visible-light-driven photocatalytic CO <sub>2</sub> reduction to CH <sub>4</sub> mediated by atomically thin CuIn <sub>5</sub> S <sub>8</sub> layers. <i>Nature Energy</i> , 2019, 4, 690-699.	39.5	948
6	Surface Plasmon Enabling Nitrogen Fixation in Pure Water through a Dissociative Mechanism under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 7807-7814.	13.7	235
7	Ultrathin Cobalt Oxide Layers as Electrocatalysts for High-Performance Flexible Zn-Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1807468.	21.0	227
8	Ultrathin Conductor Enabling Efficient IR Light CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 423-430.	13.7	146
9	Surface Adatom Mediated Structural Transformation in Bromoarene Monolayers: Precursor Phases in Surface Ullmann Reaction. <i>ACS Nano</i> , 2018, 12, 2267-2274.	14.6	49
10	Surface Modification on Pd Nanostructures for Selective Styrene Oxidation with Molecular Oxygen. <i>ChemNanoMat</i> , 2018, 4, 467-471.	2.8	18
11	Infrared Light-Driven CO <sub>2</sub> Overall Splitting at Room Temperature. <i>Joule</i> , 2018, 2, 1004-1016.	24.0	258
12	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15471-15475.	13.8	178
13	Refining Defect States in W <sub>18</sub> O <sub>49</sub> by Mo Doping: A Strategy for Tuning N <sub>2</sub> Activation towards Solar-Driven Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , 2018, 140, 9434-9443.	13.7	722
14	Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10954-10958.	13.8	186
15	Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2018, 130, 11120-11124.	2.0	42
16	Carbon Dioxide Electroreduction into Syngas Boosted by a Partially Delocalized Charge in Molybdenum Sulfide Selenide Alloy Monolayers. <i>Angewandte Chemie</i> , 2017, 129, 9249-9253.	2.0	154
17	Carbon Dioxide Electroreduction into Syngas Boosted by a Partially Delocalized Charge in Molybdenum Sulfide Selenide Alloy Monolayers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9121-9125.	13.8	205
18	Noble-Metal-Free Janus-Like Structures by Cation Exchange for Z-Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4206-4210.	13.8	166

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19	Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. <i>Angewandte Chemie</i> , 2017, 129, 4270-4274.	2.0	62
20	Integrated Quasipplane Heteronanostructures of MoSe <sub>2</sub> /Bi <sub>2</sub> Se <sub>3</sub> Hexagonal Nanosheets: Synergetic Electrocatalytic Water Splitting and Enhanced Supercapacitor Performance. <i>Advanced Functional Materials</i> , 2017, 27, 1703864.	14.9	170
21	Exclusive Niâ€N <sub>4</sub> Sites Realize Near-Unity CO Selectivity for Electrochemical CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 14889-14892.	13.7	725
22	Partially Oxidized SnS <sub>2</sub> Atomic Layers Achieving Efficient Visible-Light-Driven CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 18044-18051.	13.7	368
23	Uncoordinated Amine Groups of Metalâ€Organic Frameworks to Anchor Single Ru Sites as Chemoselective Catalysts toward the Hydrogenation of Quinoline. <i>Journal of the American Chemical Society</i> , 2017, 139, 9419-9422.	13.7	558
24	Oxide Defect Engineering Enables to Couple Solar Energy into Oxygen Activation. <i>Journal of the American Chemical Society</i> , 2016, 138, 8928-8935.	13.7	840
25	Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10800-10805.	13.8	1,836
26	Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 10958-10963.	2.0	373
27	Atomically Dispersed Ru on Ultrathin Pd Nanoribbons. <i>Journal of the American Chemical Society</i> , 2016, 138, 13850-13853.	13.7	132
28	Hungry Porphyrins: Protonation and Selfâ€Metalation of Tetraphenylporphyrin on TiO <sub>2</sub> (110) â€1 Åâ€1. <i>ChemistrySelect</i> , 2016, 1, 6103-6105.	1.5	30
29	Implementing Metalâ€Ligand Charge Transfer in Organic Semiconductor for Improved Visibleâ€Nearâ€Infrared Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 6959-6965.	21.0	268
30	Metalation of tetraphenylporphyrin with nickel on a TiO <sub>2</sub> (110)-1 Åâ€2 surface. <i>Nanoscale</i> , 2016, 8, 1123-1132.	5.6	20
31	Design and Epitaxial Growth of MoSe <sub>2</sub> â€NiSe Vertical Heteronanostructures with Electronic Modulation for Enhanced Hydrogen Evolution Reaction. <i>Chemistry of Materials</i> , 2016, 28, 1838-1846.	6.7	310
32	Interface properties between a low band gap conjugated polymer and a calcium metal electrode. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9446-9452.	2.8	4
33	Towards full-spectrum photocatalysis: Achieving a Z-scheme between Ag <sub>2</sub> S and TiO <sub>2</sub> by engineering energy band alignment with interfacial Ag. <i>Nano Research</i> , 2015, 8, 3621-3629.	10.4	65
34	Coordination reaction between tetraphenylporphyrin and nickel on a TiO <sub>2</sub> (110) surface. <i>Chemical Communications</i> , 2014, 50, 8291-8294.	4.1	44
35	Ca Carboxylate Formation at the Calcium/Poly(methyl methacrylate) Interface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20465-20471.	3.1	31
36	Electronic structures and chemical reactions at the interface between Li and regioregular poly (3-hexylthiophene). <i>Organic Electronics</i> , 2012, 13, 1060-1067.	2.6	16

#	ARTICLE	IF	CITATIONS
37	Direct Synthesis of Nickel(II) Tetraphenylporphyrin and Its Interaction with a Au(111) Surface: A Comprehensive Study. Journal of Physical Chemistry C, 2010, 114, 9908-9916.	3.1	100