

Huanxin Ju

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12086794/publications.pdf>

Version: 2024-02-01

37
papers

9,635
citations

182225

30
h-index

371746

37
g-index

37
all docs

37
docs citations

37
times ranked

12609
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10800-10805.	7.2	1,836
2	Selective visible-light-driven photocatalytic CO ₂ reduction to CH ₄ mediated by atomically thin CuIn ₅ S ₈ layers. <i>Nature Energy</i> , 2019, 4, 690-699.	19.8	948
3	Oxide Defect Engineering Enables to Couple Solar Energy into Oxygen Activation. <i>Journal of the American Chemical Society</i> , 2016, 138, 8928-8935.	6.6	840
4	Exclusive Niâ€N ₄ Sites Realize Near-Unity CO Selectivity for Electrochemical CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 14889-14892.	6.6	725
5	Refining Defect States in W ₁₈ O ₄₉ by Mo Doping: A Strategy for Tuning N ₂ Activation towards Solar-Driven Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , 2018, 140, 9434-9443.	6.6	722
6	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.	6.6	558
7	Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 10958-10963.	1.6	373
8	Partially Oxidized SnS ₂ Atomic Layers Achieving Efficient Visible-Light-Driven CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 18044-18051.	6.6	368
9	Design and Epitaxial Growth of MoSe ₂ â€NiSe Vertical Heteronanostructures with Electronic Modulation for Enhanced Hydrogen Evolution Reaction. <i>Chemistry of Materials</i> , 2016, 28, 1838-1846.	3.2	310
10	Implementing Metalâ€Ligand Charge Transfer in Organic Semiconductor for Improved Visibleâ€Infrared Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 6959-6965.	11.1	268
11	Infrared Light-Driven CO ₂ Overall Splitting at Room Temperature. <i>Joule</i> , 2018, 2, 1004-1016.	11.7	258
12	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.	6.6	235
13	Ultrathin Cobalt Oxide Layers as Electrocatalysts for Highâ€Performance Flexible Znâ€Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1807468.	11.1	227
14	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.	7.2	205
15	Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10954-10958.	7.2	186
16	Dynamic Migration of Surface Fluorine Anions on Cobaltâ€Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15471-15475.	7.2	178
17	Integrated Quasiplane Heteronanostructures of MoSe ₂ /Bi ₂ Se ₃ Hexagonal Nanosheets: Synergetic Electrocatalytic Water Splitting and Enhanced Supercapacitor Performance. <i>Advanced Functional Materials</i> , 2017, 27, 1703864.	7.8	170
18	Nobleâ€Metalâ€Free Janusâ€Like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4206-4210.	7.2	166

#	ARTICLE	IF	CITATIONS
19	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.	1.6	154
20	Ultrathin Conductor Enabling Efficient IR Light CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 423-430.	6.6	146
21	Atomically Dispersed Ru on Ultrathin Pd Nanoribbons. <i>Journal of the American Chemical Society</i> , 2016, 138, 13850-13853.	6.6	132
22	Direct Synthesis of Nickel(II) Tetraphenylporphyrin and Its Interaction with a Au(111) Surface: A Comprehensive Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9908-9916.	1.5	100
23	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO ₃ Nanobar Arrays. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9357-9361.	7.2	71
24	Towards full-spectrum photocatalysis: Achieving a Z-scheme between Ag ₂ S and TiO ₂ by engineering energy band alignment with interfacial Ag. <i>Nano Research</i> , 2015, 8, 3621-3629.	5.8	65
25	Noble-Metal-Free Janus-like Structures by Cation Exchange for Z-scheme Photocatalytic Water Splitting under Broadband Light Irradiation. <i>Angewandte Chemie</i> , 2017, 129, 4270-4274.	1.6	62
26	Surface Adatom Mediated Structural Transformation in Bromoarene Monolayers: Precursor Phases in Surface Ullmann Reaction. <i>ACS Nano</i> , 2018, 12, 2267-2274.	7.3	49
27	Coordination reaction between tetraphenylporphyrin and nickel on a TiO ₂ (110) surface. <i>Chemical Communications</i> , 2014, 50, 8291-8294.	2.2	44
28	Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO ₂ Reduction. <i>Angewandte Chemie</i> , 2018, 130, 11120-11124.	1.6	42
29	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.	7.2	41
30	Ca Carboxylate Formation at the Calcium/Poly(methyl methacrylate) Interface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20465-20471.	1.5	31
31	Hungry Porphyrins: Protonation and Self-Metalation of Tetraphenylporphyrin on TiO ₂ (110) 1 Å ⁻¹ . <i>ChemistrySelect</i> , 2016, 1, 6103-6105.	0.7	30
32	Metalation of tetraphenylporphyrin with nickel on a TiO ₂ (110)-1 Å ⁻¹ surface. <i>Nanoscale</i> , 2016, 8, 1123-1132.	2.8	20
33	Efficient Photoelectrochemical Conversion of Methane into Ethylene Glycol by WO ₃ Nanobar Arrays. <i>Angewandte Chemie</i> , 2021, 133, 9443-9447.	1.6	20
34	Surface Modification on Pd Nanostructures for Selective Styrene Oxidation with Molecular Oxygen. <i>ChemNanoMat</i> , 2018, 4, 467-471.	1.5	18
35	Visible-Light-Driven Overall Water Splitting Boosted by Tetrahedrally Coordinated Blende Cobalt(II) Oxide Atomic Layers. <i>Angewandte Chemie</i> , 2019, 131, 3064-3068.	1.6	17
36	Electronic structures and chemical reactions at the interface between Li and regioregular poly(3-hexylthiophene). <i>Organic Electronics</i> , 2012, 13, 1060-1067.	1.4	16

#	ARTICLE	IF	CITATIONS
37	Interface properties between a low band gap conjugated polymer and a calcium metal electrode. Physical Chemistry Chemical Physics, 2016, 18, 9446-9452.	1.3	4