

Yan Gao

List of Publications by Year in Descending Order

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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.

51
papers

2,095
citations

18
h-index

45
g-index

53
ext. papers

2,344
ext. citations

8.5
avg, IF

4.88
L-index

#	Paper	IF	Citations
51	Bioinspired NiFe ₂ S ₂ metal-organic frameworks for highly efficient oxygen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 7013-7019	13	0
50	Highly efficient photocatalytic CO ₂ reduction with an organic dye as photosensitizer. <i>Inorganic Chemistry Communication</i> , 2021 , 129, 108617	3.1	
49	Ultrathin two-dimensional metal-organic framework nanosheets for efficient electrochemical CO ₂ reduction. <i>Journal of Energy Chemistry</i> , 2021 , 57, 627-631	12	1
48	Highly efficient photocatalytic CO ₂ reduction by a ruthenium complex sensitizing g-C ₃ N ₄ /MOF hybrid photocatalyst. <i>New Journal of Chemistry</i> , 2021 , 45, 8965-8970	3.6	2
47	Turning off hydrogen evolution via an organic dye photosensitizer in aqueous acetonitrile solution during photocatalytic CO ₂ reduction to CO. <i>Molecular Catalysis</i> , 2021 , 500, 111299	3.3	4
46	Assembly of a Highly Efficient Molecular Device with (CNCl)-MWCNT/CP as Electrode for CO ₂ Reduction Coupled to Water Oxidation. <i>ChemElectroChem</i> , 2021 , 8, 3567-3571	4.3	1
45	Selective nitrogen reduction to ammonia on iron porphyrin-based single-site metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 4673-4678	13	10
44	A highly efficient FeP/CeO-NF hybrid electrode for the oxygen evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 4228-4231	5.8	12
43	Boosting electrocatalytic reduction of nitrogen to ammonia under ambient conditions by alloy engineering. <i>Chemical Communications</i> , 2020 , 56, 11477-11480	5.8	11
42	Role of water oxidation in the photoreduction of graphene oxide. <i>Chemical Communications</i> , 2019 , 55, 1837-1840	5.8	2
41	Selective electroreduction of dinitrogen to ammonia on a molecular iron phthalocyanine/O-MWCNT catalyst under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 14111-14117	5.8	27
40	A steady composite molecular anode Ru ₁ /MWCNTsCOOH/GC for robust catalytic water oxidation. <i>Journal of Energy Chemistry</i> , 2019 , 35, 49-54	12	5
39	V ₄ P ₆ .98/VO(PO ₃) ₂ as an Efficient Non-Noble Metal Catalyst for Electrochemical Hydrogen Evolution in Alkaline Electrolyte. <i>ChemElectroChem</i> , 2019 , 6, 1329-1332	4.3	5
38	A CuSe-CuO film electrodeposited on titanium foil as a highly active and stable electrocatalyst for the oxygen evolution reaction. <i>Chemical Communications</i> , 2018 , 54, 4979-4982	5.8	28
37	Assembly of highly efficient photocatalytic CO ₂ conversion systems with ultrathin two-dimensional metal-organic framework nanosheets. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 54-60	21.8	94
36	Highly efficient photocatalytic reduction of CO ₂ and H ₂ O to CO and H ₂ with a cobalt bipyridyl complex. <i>Journal of Energy Chemistry</i> , 2018 , 27, 502-506	12	18
35	Highly effective electrochemical water oxidation by copper oxide film generated in situ from Cu(II) tricine complex. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 479-486	11.3	7

34	Protonation effect on catalytic water oxidation activity of a mononuclear Ru catalyst containing a free pyridine unit. <i>Journal of Energy Chemistry</i> , 2018 , 27, 1402-1408	12	3
33	Design of photoanode-based dye-sensitized photoelectrochemical cells assembling with transition metal complexes for visible light-induced water splitting. <i>Coordination Chemistry Reviews</i> , 2018 , 357, 130-143	23.2	40
32	Perovskite Hydroxide CoSn(OH) ₆ Nanocubes for Efficient Photoreduction of CO ₂ to CO. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 781-786	8.3	25
31	An ultrathin nickel-based film electrodeposited from a Ni-Tris molecular precursor for highly efficient electrocatalytic water oxidation. <i>Electrochimica Acta</i> , 2018 , 283, 104-110	6.7	7
30	Highly Active Three-Dimensional NiFe/Cu O Nanowires/Cu Foam Electrode for Water Oxidation. <i>ChemSusChem</i> , 2017 , 10, 1475-1481	8.3	47
29	Copper Oxide Film In-situ Electrodeposited From Cu(II) Complex as Highly Efficient Catalyst for Water Oxidation. <i>Electrochimica Acta</i> , 2017 , 230, 501-507	6.7	18
28	Insights into electrolyte effects on photoactivities of dye-sensitized photoelectrochemical cells for water splitting. <i>Journal of Energy Chemistry</i> , 2017 , 26, 476-480	12	7
27	Highly efficient Fe _x Ni _{1-x} O _y /CP electrode prepared via simple soaking and heating treatments for electrocatalytic water oxidation. <i>Journal of Energy Chemistry</i> , 2017 , 26, 428-432	12	14
26	Water oxidation catalyzed by a charge-neutral mononuclear ruthenium(iii) complex. <i>Dalton Transactions</i> , 2017 , 46, 1304-1310	4.3	10
25	Development of a ruthenium multi-pyridine complex as photosensitizer for highly efficient light driven water oxidation. <i>Inorganic Chemistry Communication</i> , 2017 , 86, 10-13	3.1	1
24	Influences of the adsorption state of catalyst on the performance of DS-PEC for visible light driven water splitting. <i>Journal of Energy Chemistry</i> , 2017 , 26, 163-167	12	4
23	Highly oriented MOF thin film-based electrocatalytic device for the reduction of CO ₂ to CO exhibiting high faradaic efficiency. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15320-15326	13	121
22	An efficient self-assembly Ru-Al material as heterogeneous catalyst for water oxidation. <i>Inorganic Chemistry Communication</i> , 2016 , 70, 129-131	3.1	
21	Efficient molecular ruthenium catalysts containing anionic ligands for water oxidation. <i>Dalton Transactions</i> , 2016 , 45, 18459-18464	4.3	10
20	Co ₃ O ₄ Hexagonal Platelets with Controllable Facets Enabling Highly Efficient Visible-Light Photocatalytic Reduction of CO ₂ . <i>Advanced Materials</i> , 2016 , 28, 6485-90	24	296
19	A PMMA overlayer improving the surface-bound stability of photoanode for water splitting. <i>Electrochimica Acta</i> , 2016 , 207, 130-134	6.7	11
18	Silicon Compound Decorated Photoanode for Performance Enhanced Visible Light Driven Water Splitting. <i>Electrochimica Acta</i> , 2016 , 215, 682-688	6.7	12
17	A Cobalt-Based Film for Highly Efficient Electrocatalytic Water Oxidation in Neutral Aqueous Solution. <i>ChemCatChem</i> , 2016 , 8, 2757-2760	5.2	13

16	Design of a dinuclear ruthenium based catalyst with a rigid xanthene bridge for catalytic water oxidation. <i>Inorganic Chemistry Communication</i> , 2015 , 55, 56-59	3.1	11
15	Assembling Supramolecular Dye-Sensitized Photoelectrochemical Cells for Water Splitting. <i>ChemSusChem</i> , 2015 , 8, 3992-5	8.3	20
14	Effects of Br substituent on catalytic performance of Ru-bda (H ₂ bda = 2,2'-bipyridine-6,6'-dicarboxylic acid) catalysts for water oxidation. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1742-1749	11.3	14
13	Artificial photosynthesis: A two-electrode photoelectrochemical cell for light driven water oxidation with molecular components. <i>Electrochimica Acta</i> , 2014 , 149, 337-340	6.7	11
12	Artificial photosynthesis--functional devices for light driven water splitting with photoactive anodes based on molecular catalysts. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 12008-13	3.6	77
11	Visible Light-Driven Water Splitting in Photoelectrochemical Cells with Supramolecular Catalysts on Photoanodes. <i>ACS Catalysis</i> , 2014 , 4, 2347-2350	13.1	102
10	High-performance photoelectrochemical cells based on a binuclear ruthenium catalyst for visible-light-driven water oxidation. <i>ChemSusChem</i> , 2014 , 7, 2801-4	8.3	68
9	Artificial photosynthesis: photosensitizer/catalyst supramolecular assemblies for light driven water oxidation. <i>Faraday Discussions</i> , 2014 , 176, 225-32	3.6	18
8	Visible light driven water splitting in a molecular device with unprecedentedly high photocurrent density. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4219-22	16.4	303
7	Towards a solar fuel device: light-driven water oxidation catalyzed by a supramolecular assembly. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2417-20	16.4	112
6	Towards A Solar Fuel Device: Light-Driven Water Oxidation Catalyzed by a Supramolecular Assembly. <i>Angewandte Chemie</i> , 2012 , 124, 2467-2470	3.6	19
5	Nucleophilic attack of hydroxide on a Mn(V) oxo complex: a model of the O-O bond formation in the oxygen evolving complex of photosystem II. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8726-7	16.4	211
4	Synthesis and Photophysical and Electrochemical Study of Tyrosine Covalently Linked to High-Valent Copper(III) and Manganese(IV) Complexes. <i>Helvetica Chimica Acta</i> , 2007 , 90, 553-561	2	13
3	Synthesis of Copoly(aryl ether ether nitrile)s Containing Sulfonic Acid Groups for PEM Application□ <i>Macromolecules</i> , 2005 , 38, 3237-3245	5.5	134
2	Synthesis of Poly(arylene ether ether ketone ketone) Copolymers Containing Pendant Sulfonic Acid Groups Bonded to Naphthalene as Proton Exchange Membrane Materials□ <i>Macromolecules</i> , 2004 , 37, 6748-6754	5.5	103
1	Synthesis and characterization of a novel phthalazinone poly(aryl ether sulfone ketone) with carboxyl group. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 1111-1114	2.9	13