Gui Chen

List of Publications by Year
in descending order

21 papers	1,104 citations	516710 16 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1405 citing authors

#	Article	IF	Citations
1	Efficient Visible-Light-Driven CO₂ Reduction by a Cobalt Molecular Catalyst Covalently Linked to Mesoporous Carbon Nitride. Journal of the American Chemical Society, 2020, 142, 6188-6195.	13.7	199
2	Chemical and Visibleâ€Lightâ€Driven Water Oxidation by Iron Complexes at pHâ€…7â€“9: Evidence for Dualâ€Active Intermediates in Ironâ€Catalyzed Water Oxidation. Angewandte Chemie - International Edition, 2013, 52, 1789-1791.	13.8	171
3	Selectivity control of CO versus HCOOâˆ' production in the visible-light-driven catalytic reduction of CO2 with two cooperative metal sites. Nature Catalysis, 2019, 2, 801-808.	34.4	153
4	Dual Homogeneous and Heterogeneous Pathways in Photo- and Electrocatalytic Hydrogen Evolution with Nickel(II) Catalysts Bearing Tetradentate Macrocyclic Ligands. ACS Catalysis, 2015, 5, 356-364.	11.2	75
5	Efficient Chemical and Visibleâ€Lightâ€Driven Water Oxidation using Nickel Complexes and Salts as Precatalysts. ChemSusChem, 2014, 7, 127-134.	6.8	70
6	Hybridization of Molecular and Graphene Materials for CO₂ Photocatalytic Reduction with Selectivity Control. Journal of the American Chemical Society, 2021, 143, 8414-8425.	13.7	64
7	Molecular quaterpyridine-based metal complexes for small molecule activation: water splitting and CO₂ reduction. Chemical Society Reviews, 2020, 49, 7271-7283.	38.1	57
8	Highly Efficient Photocatalytic Reduction of CO₂ to CO by In Situ Formation of a Hybrid Catalytic System Based on Molecular Iron Quaterpyridine Covalently Linked to Carbon Nitride. Angewandte Chemie - International Edition, 2022, 61, .	13.8	43
9	A molecular noble metal-free system for efficient visible light-driven reduction of CO₂ to CO. Dalton Transactions, 2019, 48, 9596-9602.	3.3	37
10	Effects of morphology and exposed facets of Î±-Fe₂O₃ nanocrystals on photocatalytic water oxidation. RSC Advances, 2015, 5, 52210-52216.	3.6	35
11	Mechanism of Water Oxidation by Ferrate(VI) at pHâ€…7â€“9. Chemistry - A European Journal, 2018, 24, 18735-18742.	3.3	23
12	A highly active and robust iron quinquepyridine complex for photocatalytic CO₂ reduction in aqueous acetonitrile solution. Chemical Communications, 2020, 56, 6249-6252.	4.1	21
13	Electrocatalytic and Photocatalytic Reduction of Carbon Dioxide by Earthâ€Abundant Bimetallic Molecular Catalysts. ChemPhysChem, 2021, 22, 1835-1843.	2.1	21
14	Photocatalytic oxidation of alkenes and alcohols in water by a manganese(<scp>v</scp>) nitrido complex. Chemical Communications, 2016, 52, 9271-9274.	4.1	20
15	Intermediates in the Oxidative Degradation of a Rutheniumâ€Bound 2,2â€²â€Bipyridylâ€"Phenoxy Ligand during Catalytic Water Oxidation. ChemCatChem, 2018, 10, 501-504.	3.7	20
16	Au cluster anchored on TiO2/Ti3C2 hybrid composites for efficient photocatalytic CO2 reduction. Rare Metals, 2022, 41, 3045-3059.	7.1	18
17	Binuclear (salen)osmium phosphinidine and phosphiniminato complexes. Dalton Transactions, 2011, 40, 1938.	3.3	13
18	Selective Photocatalytic Reduction of CO₂ to Syngas Over Tunable Metalâ€Perovskite Interface. ChemSusChem, 2022, 15, .	6.8	10

#	ARTICLE	IF	CITATIONS
19	Cooperative activating effects of metal ion and BrÃ¸nsted acid on a metal oxo species. Chemical Science, 2021, 12, 632-638.	7.4	6
20	Highly Efficient Photocatalytic Reduction of CO₂ to CO by In Situ Formation of a Hybrid Catalytic System Based on Molecular Iron Quaterpyridine Covalently Linked to Carbon Nitride. Angewandte Chemie, 2022, 134, .	2.0	6
21	Keys Unlocking Redispersion of Reactive PdO_{<i>x</i>} Nanoclusters on Ce-Functionalized Perovskite Oxides for Methane Activation. ACS Applied Materials & Interfaces, 2022, 14, 30704-30713.	8.0	5