Feng Wang

List of Publications by Year
in descending order

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39 papers	2,472 citations	236925 25 h-index	276875 41 g-index
42 all docs	42 docs citations	42 times ranked	2817 citing authors

#	Article	IF	Citations
1	Non-synergistic photocatalysis of CO2-to-CO conversion by a binuclear complex of rigidly linking two cobalt catalytic centers. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 426, 113754.	3.9	12
2	Host-guest assemblies of anchoring molecular catalysts of CO2 reduction onto CuInS2/ZnS quantum dots for robust photocatalytic syngas production in water. Molecular Catalysis, 2022, 520, 112168.	2.0	6
3	Assembling CdSe Quantum Dots into Polymeric Micelles Formed by a Polyethylenimine-Based Amphiphilic Polymer to Enhance Efficiency and Selectivity of CO₂-to-CO Photoreduction in Water. ACS Applied Materials & Interfaces, 2022, 14, 29945-29955.	8.0	14
4	Hybrid artificial photosynthetic systems constructed using quantum dots and molecular catalysts for solar fuel production: development and advances. Journal of Materials Chemistry A, 2021, 9, 19346-19368.	10.3	19
5	Facile passivation of yellow light-emitting CdSe QDs by polyethyleneimine in water to achieve bright white light emission. Materials Advances, 2021, 2, 7384-7388.	5.4	3
6	Artificial photosynthetic assemblies constructed by the self-assembly of synthetic building blocks for enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 21690-21699.	10.3	11
7	A supported-catalyst of grafting [Co(TPA)Cl]Cl molecular catalyst onto SiO2 nanoparticles to achieve robust syngas production in a photochemical system. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 401, 112742.	3.9	4
8	Microstructure Engineering of Fe/Fe₃C-Decorated Metalâ€“Nitrogenâ€“Carbon Mesoporous Nanospheres via a Self-Template Method for Enhancing Oxygen Reduction Activity. ACS Applied Materials & Interfaces, 2020, 12, 28065-28074.	8.0	10
9	Advances on Photocatalytic CO₂ Reduction Based on CdS and CdSe Nano-Semiconductors. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	9
10	Highly Efficient Photocatalytic Conversion of CO₂ to CO Catalyzed by Surfaceâ€Ligandâ€Removed and Cdâ€Rich CdSe Quantum Dots. ChemSusChem, 2019, 12, 4617-4622.	6.8	48
11	Carbon-Based Nanostructures Vertically Arrayed on Layered Lanthanum Oxycarbonate as Highly Efficient Catalysts for Oxygen Reduction Reactions. ACS Applied Materials & Interfaces, 2019, 11, 16452-16460.	8.0	11
12	Facile formation of CoN₄ active sites onto a SiO₂ support to achieve robust CO₂ and proton reduction in a noble-metal-free photocatalytic system. Journal of Materials Chemistry A, 2019, 7, 10475-10482.	10.3	42
13	A biomimetic self-assembled cobaloxime@CdS/rGO hybrid for boosting photocatalytic H₂ production. Chemical Communications, 2019, 55, 14490-14493.	4.1	21
14	A facile modular approach to the 2D oriented assembly MOF electrode for non-enzymatic sweat biosensors. Nanoscale, 2018, 10, 6629-6638.	5.6	73
15	Cis-[CoII(MPCA)X2] (X = Cl or Br) complexes as catalyst exhibiting different activity for visible light induced photocatalytic CO2-to-CO conversion. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 175-179.	3.9	11
16	Graphene paper supported MoS2 nanocrystals monolayer with Cu submicron-buds: High-performance flexible platform for sensing in sweat. Analytical Biochemistry, 2018, 543, 82-89.	2.4	46
17	Photocatalytic reduction of CO₂ to CO and formate by a novel Co(<scp>ii</scp>) catalyst containing a cis-oxygen atom: photocatalysis and DFT calculations. Dalton Transactions, 2018, 47, 13142-13150.	3.3	32
18	Hollow Nitrogen-Doped Carbon Spheres with Fe₃O₄ Nanoparticles Encapsulated as a Highly Active Oxygen-Reduction Catalyst. ACS Applied Materials & Interfaces, 2017, 9, 10610-10617.	8.0	128

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19	Artificial Photosynthetic Systems for CO₂ Reduction: Progress on Higher Efficiency with Cobalt Complexes as Catalysts. ChemSusChem, 2017, 10, 4393-4402.	6.8	70
20	The effects of chelating N₄ ligand coordination on Co(<scp>ii</scp>)-catalysed photochemical conversion of CO₂ to CO: reaction mechanism and DFT calculations. Catalysis Science and Technology, 2016, 6, 7408-7420.	4.1	59
21	A macromolecular cyclometalated gold(<scp>iii</scp>) amphiphile displays long-lived emissive excited state in water: self-assembly and in vitro photo-toxicity. Chemical Communications, 2016, 52, 13273-13276.	4.1	22
22	Highly luminescent palladium(<scp>ii</scp>) complexes with sub-millisecond blue to green phosphorescent excited states. Photocatalysis and highly efficient PSF-OLEDs. Chemical Science, 2016, 7, 6083-6098.	7.4	112
23	Amphiphilic polymeric micelles as microreactors: improving the photocatalytic hydrogen production of the [FeFe]-hydrogenase mimic in water. Chemical Communications, 2016, 52, 457-460.	4.1	49
24	Branched Polyethylenimine Improves Hydrogen Photoproduction from a CdSe Quantum Dot/[FeFe]â€Hydrogenase Mimic System in Neutral Aqueous Solutions. Chemistry - A European Journal, 2015, 21, 3187-3192.	3.3	55
25	Interface-directed assembly of a simple precursor of [FeFe]â€“H2ase mimics on CdSe QDs for photosynthetic hydrogen evolution in water. Energy and Environmental Science, 2013, 6, 2597.	30.8	115
26	Chitosan confinement enhances hydrogen photogeneration from a mimic of the diiron subsite of [FeFe]-hydrogenase. Nature Communications, 2013, 4, 2695.	12.8	159
27	Exceptional Poly(acrylic acid)â€Based Artificial [FeFe]â€Hydrogenases for Photocatalytic H₂ Production in Water. Angewandte Chemie - International Edition, 2013, 52, 8134-8138.	13.8	145
28	Light-driven hydrogen evolution system with glutamic-acid-modified zinc porphyrin as photosensitizer and [FeFe]-hydrogenase model as catalyst. Pure and Applied Chemistry, 2013, 85, 1405-1413.	1.9	7
29	Artificial Photosynthetic Systems Based on [FeFe]-Hydrogenase Mimics: the Road to High Efficiency for Light-Driven Hydrogen Evolution. ACS Catalysis, 2012, 2, 407-416.	11.2	175
30	Photocatalytic hydrogen production from a simple water-soluble [FeFe]-hydrogenase model system. Chemical Communications, 2012, 48, 8081.	4.1	68
31	Electron transfer and hydrogen generation from a molecular dyad: platinum(ii) alkynyl complex anchored to [FeFe] hydrogenase subsite mimic. Dalton Transactions, 2012, 41, 2420.	3.3	55
32	Effective and reversible DNA condensation induced by bifunctional molecules containing macrocyclic polyamines and naphthyl moieties. Bioorganic and Medicinal Chemistry, 2012, 20, 801-808.	3.0	25
33	Bis-terpyridine Os(â…¡) Complex Sensitized [FeFe] Hydrogenase Mimic Systems: Synthesis and Photophysical Study. Acta Chimica Sinica, 2012, 70, 2306.	1.4	3
34	Multistimuli Responsive Micelles Formed by a Tetrathiafulvalene-Functionalized Amphiphile. Langmuir, 2011, 27, 8665-8671.	3.5	32
35	A triad [FeFe] hydrogenase system for light-driven hydrogen evolution. Chemical Communications, 2011, 47, 8406.	4.1	50
36	A Highly Efficient Photocatalytic System for Hydrogen Production by a Robust Hydrogenase Mimic in an Aqueous Solution. Angewandte Chemie - International Edition, 2011, 50, 3193-3197.	13.8	315

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37	Photocatalytic Hydrogen Evolution from Rhenium(I) Complexes to [FeFe] Hydrogenase Mimics in Aqueous SDS Micellar Systems: A Biomimetic Pathway. Langmuir, 2010, 26, 9766-9771.	3.5	124
38	Photocatalytic Hydrogen Evolution by [FeFe] Hydrogenase Mimics in Homogeneous Solution. Chemistry - an Asian Journal, 2010, 5, 1796-1803.	3.3	72
39	Photocatalytic Hydrogen Production from Water by Noble-Metal-Free Molecular Catalyst Systems Containing Rose Bengal and the Cobaloximes of BF_x-Bridged Oxime Ligands. Journal of Physical Chemistry C, 2010, 114, 15868-15874.	3.1	151