# Hong-Yan Wang

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 30 papers | 2,137 citations | 361413 20 h-index | 414414 32 g-index |
| 33 all docs | 33 docs citations | 33 times ranked | 2560 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Visible light-driven carbon-carbon reductive coupling of aromatic ketones activated by Ni-doped CdS quantum dots: An insight into the mechanism. Applied Catalysis B: Environmental, 2022, 304, 120946. | 20.2 | 15 |
| 2 | A Hybrid Assembly with Nickel Polyâ€Pyridine Polymer on CdS Quantum Dots for Photoâ€Reducing CO<sub>2</sub> into Syngas with Controlled H<sub>2</sub>/CO Ratios. ChemSusChem, 2022, 15, . | 6.8 | 10 |
| 3 | Porphyrin-based frameworks for oxygen electrocatalysis and catalytic reduction of carbon dioxide. Chemical Society Reviews, 2021, 50, 2540-2581. | 38.1 | 249 |
| 4 | Oâ€“O bond formation mechanisms during the oxygen evolution reaction over synthetic molecular catalysts. Chinese Journal of Catalysis, 2021, 42, 1253-1268. | 14.0 | 86 |
| 5 | Boosting photoanodic activity for water splitting in carbon dots aqueous solution without any traditional supporting electrolyte. Applied Catalysis B: Environmental, 2021, 296, 120378. | 20.2 | 10 |
| 6 | Tri-functional molecular relay to fabricate size-controlled CoO<sub>x</sub> nanoparticles and WO<sub>3</sub> photoanode for an efficient photoelectrochemical water oxidation. Catalysis Science and Technology, 2020, 10, 5677-5687. | 4.1 | 10 |
| 7 | Highly efficient and selective photocatalytic CO<sub>2</sub> reduction based on water-soluble CdS QDs modified by the mixed ligands in one pot. Catalysis Science and Technology, 2020, 10, 2821-2829. | 4.1 | 21 |
| 8 | Amphiphilic micellar CdSe QD as microreactors to self-assemble nickel complexes for photosynthetic hydrogen evolution in water. International Journal of Hydrogen Energy, 2019, 44, 20079-20084. | 7.1 | 1 |
| 9 | Dendrobium huoshanense polysaccharide regulates hepatic glucose homeostasis and pancreatic Î²-cell function in type 2 diabetic mice. Carbohydrate Polymers, 2019, 211, 39-48. | 10.2 | 73 |
| 10 | Photo-electrocatalytic water oxidation based on an earth-abundant metallic semiconductor-molecule hybrid photoanode. International Journal of Hydrogen Energy, 2019, 44, 31884-31891. | 7.1 | 7 |
| 11 | Water splitting based on homogeneous copper molecular catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 141-151. | 3.9 | 41 |
| 12 | Cobalt(II)â€“Salen Complexes for Photocatalytic Hydrogen Production in Noble Metal-Free Molecular Systems. Catalysis Letters, 2018, 148, 3158-3164. | 2.6 | 18 |
| 13 | Hydrogen production in a neutral aqueous solution with a water-soluble copper complex. International Journal of Hydrogen Energy, 2017, 42, 4202-4207. | 7.1 | 22 |
| 14 | Thin Copper-Based Film for Efficient Electrochemical Hydrogen Production from Neutral Aqueous Solutions. ACS Sustainable Chemistry and Engineering, 2017, 5, 7496-7501. | 6.7 | 20 |
| 15 | Ligand modification to stabilize the cobalt complexes for water oxidation. International Journal of Hydrogen Energy, 2017, 42, 29716-29724. | 7.1 | 30 |
| 16 | A Waterâ€Soluble Copperâ€“Polypyridine Complex as a Homogeneous Catalyst for both Photoâ€Induced and Electrocatalytic O<sub>2</sub> Evolution. Chemistry - A European Journal, 2016, 22, 1602-1607. | 3.3 | 70 |
| 17 | Porous Nickelâ€“Iron Oxide as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Science, 2015, 2, 1500199. | 11.2 | 241 |
| 18 | Water Splitting: Porous Nickel-Iron Oxide as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction (Adv. Sci. 10/2015). Advanced Science, 2015, 2, . | 11.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Ruâ€“Co hybrid material based on a molecular photosensitizer and a heterogeneous catalyst for light-driven water oxidation. Physical Chemistry Chemical Physics, 2014, 16, 3661. | 2.8 | 12 |
| 20 | Water Oxidation Catalyzed by a Dinuclear Cobaltâ€“Polypyridine Complex. Angewandte Chemie - International Edition, 2014, 53, 14499-14502. | 13.8 | 114 |
| 21 | 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 |
| 22 | 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 |
| 23 | Photocatalytic hydrogen production from a simple water-soluble [FeFe]-hydrogenase model system. Chemical Communications, 2012, 48, 8081. | 4.1 | 68 |
| 24 | 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 |
| 25 | A triad [FeFe] hydrogenase system for light-driven hydrogen evolution. Chemical Communications, 2011, 47, 8406. | 4.1 | 50 |
| 26 | 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 |
| 27 | 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 |
| 28 | Photocatalytic Hydrogen Evolution by [FeFe] Hydrogenase Mimics in Homogeneous Solution. Chemistry - an Asian Journal, 2010, 5, 1796-1803. | 3.3 | 72 |
| 29 | Fluorophenyl-substituted Fe-only hydrogenases active site ADT models: different electrocatalytic process for proton reduction in HOAc and HBF4/Et2O. Dalton Transactions, 2009, , 2712. | 3.3 | 51 |
| 30 | Facile Synthesis and Functionality-Dependent Electrochemistry of Fe-Only Hydrogenase Mimics. Inorganic Chemistry, 2008, 47, 8101-8111. | 4.0 | 55 |