

Ning Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9579056/publications.pdf>

Version: 2024-02-01

65
papers

1,702
citations

361413

20
h-index

302126

39
g-index

65
all docs

65
docs citations

65
times ranked

1830
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A highly efficient, in situ wet-adhesive dextran derivative sponge for rapid hemostasis. <i>Biomaterials</i> , 2019, 205, 23-37. | 11.4 | 160 |
| 2 | Catalytic Activation of H ₂ under Mild Conditions by an [FeFe]-Hydrogenase Model via an Active $\frac{1}{4}$ -Hydride Species. <i>Journal of the American Chemical Society</i> , 2013, 135, 13688-13691. | 13.7 | 107 |
| 3 | Reactions of [FeFe]-hydrogenase models involving the formation of hydrides related to proton reduction and hydrogen oxidation. <i>Dalton Transactions</i> , 2013, 42, 12059. | 3.3 | 104 |
| 4 | Ultrasmall Ru Nanoparticles Highly Dispersed on Sulfur-Doped Graphene for HER with High Electrocatalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48591-48597. | 8.0 | 87 |
| 5 | Carbene π -pyridine chelating 2Fe2S hydrogenase model complexes as highly active catalysts for the electrochemical reduction of protons from weak acid (HOAc). <i>Dalton Transactions</i> , 2007, , 1277-1283. | 3.3 | 85 |
| 6 | Preparation, Facile Deprotonation, and Rapid H/D Exchange of the $\frac{1}{4}$ -Hydride Diiron Model Complexes of the [FeFe]-Hydrogenase Containing a Pendant Amine in a Chelating Diphosphine Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 11551-11558. | 4.0 | 84 |
| 7 | Current progress in interfacial engineering of carbon-based perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8690-8699. | 10.3 | 84 |
| 8 | Hemilabile Bridging Thiolates as Proton Shuttles in Bioinspired H ₂ Production Electrocatalysts. <i>Journal of the American Chemical Society</i> , 2016, 138, 12920-12927. | 13.7 | 78 |
| 9 | A proton π -hydride diiron complex with a base-containing diphosphine ligand relevant to the [FeFe]-hydrogenase active site. <i>Chemical Communications</i> , 2008, , 5800. | 4.1 | 73 |
| 10 | Ru/RuO ₂ Nanoparticle Composites with N-Doped Reduced Graphene Oxide as Electrocatalysts for Hydrogen and Oxygen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 12269-12277. | 5.0 | 68 |
| 11 | Effective wound dressing based on Poly (vinyl alcohol)/Dextran-aldehyde composite hydrogel. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 1098-1105. | 7.5 | 58 |
| 12 | A multifunctional lipid that forms contrast-agent liposomes with dual-control release capabilities for precise MRI-guided drug delivery. <i>Biomaterials</i> , 2019, 221, 119412. | 11.4 | 53 |
| 13 | CO-Migration in the Ligand Substitution Process of the Chelating Diphosphite Diiron Complex ($\frac{1}{4}$ -pdt) [Fe(CO) ₃][Fe(CO){(EtO) ₂ PN(Me)P(OEt) ₂ }. <i>Inorganic Chemistry</i> , 2008, 47, 6948-6955. | 4.0 | 50 |
| 14 | Efficient antibacterial dextran-montmorillonite composite sponge for rapid hemostasis with wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 1130-1143. | 7.5 | 40 |
| 15 | Intramolecular Iron-Mediated C-H Bond Heterolysis with an Assist of Pendant Base in a [FeFe]-Hydrogenase Model. <i>Journal of the American Chemical Society</i> , 2014, 136, 16817-16823. | 13.7 | 38 |
| 16 | Photocatalytic Hydrogen Production Based on a Serial Metal-Salen Complexes and the Reaction Mechanism. <i>ChemCatChem</i> , 2019, 11, 6324-6331. | 3.7 | 25 |
| 17 | Electrostatic Interactions Accelerating Water Oxidation Catalysis via Intercatalyst O-O Coupling. <i>Journal of the American Chemical Society</i> , 2021, 143, 2484-2490. | 13.7 | 25 |
| 18 | Redox Reactions of [FeFe]-Hydrogenase Models Containing an Internal Amine and a Pendant Phosphine. <i>Inorganic Chemistry</i> , 2014, 53, 1555-1561. | 4.0 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Complexes of $MN_2S_2 \cdot Fe^{I-5} - C_5R_5(CO)$ as platform for exploring cooperative heterobimetallic effects in HER electrocatalysis. Dalton Transactions, 2017, 46, 5617-5624. | 3.3 | 24 |
| 20 | A Traceable, Sequential Multistage Targeting Nanoparticles Combining Chemo/Chemodynamic Therapy for Enhancing Antitumor Efficacy. Advanced Functional Materials, 2021, 31, 2101432. | 14.9 | 24 |
| 21 | A Multifunctional Lipid Incorporating Active Targeting and Dual-Control Release Capabilities for Precision Drug Delivery. ACS Applied Materials & Interfaces, 2020, 12, 70-85. | 8.0 | 21 |
| 22 | Cyanide-bridged iron complexes as biomimetics of tri-iron arrangements in maturases of the H cluster of the di-iron hydrogenase. Chemical Science, 2016, 7, 3710-3719. | 7.4 | 20 |
| 23 | Using a novel adsorbent macrocyclic compound cucurbit[8]uril for Pb ²⁺ removal from aqueous solution. Journal of Environmental Sciences, 2016, 50, 3-12. | 6.1 | 19 |
| 24 | Supramolecular self-assembly of a [2Fe2S] complex with a hydrophilic phosphine ligand. CrystEngComm, 2008, 10, 267-269. | 2.6 | 18 |
| 25 | Effect of Bridgehead Steric Bulk on the Intramolecular C-H Heterolysis of [FeFe]-Hydrogenase Active Site Models Containing a P_2N_2 Pendant Amine Ligand. Inorganic Chemistry, 2016, 55, 411-418. | 4.0 | 17 |
| 26 | [FeFe]-Hydrogenase active site models with relatively low reduction potentials: Diiron dithiolate complexes containing rigid bridges. Journal of Inorganic Biochemistry, 2008, 102, 952-959. | 3.5 | 16 |
| 27 | Seamless Interfacial Formation by Solution-Processed Amorphous Hydroxide Semiconductor for Highly Efficient Electron Transport. ACS Applied Energy Materials, 2018, 1, 4564-4571. | 5.1 | 16 |
| 28 | Engineering heterostructure and crystallinity of Ru/RuS ₂ nanoparticle composited with N-doped graphene as electrocatalysts for alkaline hydrogen evolution. Chinese Chemical Letters, 2021, 32, 3591-3595. | 9.0 | 16 |
| 29 | Zinc(II)porphyrin-Based Porous Ionic Polymers (PIPs) as Multifunctional Heterogeneous Catalysts for the Conversion of CO ₂ to Cyclic Carbonates. Industrial & Engineering Chemistry Research, 2022, 61, 5093-5102. | 3.7 | 16 |
| 30 | The influence of a S-to-S bridge in diiron dithiolate models on the oxidation reaction: a mimic of the Hairox state of [FeFe]-hydrogenases. Chemical Communications, 2014, 50, 9255-9258. | 4.1 | 15 |
| 31 | Synthesis, protonation and electrochemical properties of trinuclear NiFe ₂ complexes Fe ₂ (CO) ₆ (1/43-S) ₂ [Ni(Ph ₂ PCH ₂) ₂ NR] (R=n-Bu, Ph) with an internal pendant nitrogen base as a proton relay. Inorganica Chimica Acta, 2009, 362, 372-376. | 2.4 | 14 |
| 32 | The antimicrobial activities of a series of bis-quaternary ammonium compounds. Chinese Chemical Letters, 2011, 22, 887-890. | 9.0 | 14 |
| 33 | A traceable, GSH/pH dual-responsive nanoparticles with spatiotemporally controlled multiple drugs release ability to enhance antitumor efficacy. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111866. | 5.0 | 14 |
| 34 | Orthogonal Supramolecular Assembly Triggered by Inclusion and Exclusion Interactions with Cucurbit[7]uril for Photocatalytic H ₂ Evolution. ChemSusChem, 2020, 13, 394-399. | 6.8 | 13 |
| 35 | Cycloaddition Reactions of Epoxides and CO ₂ by the Novel Imidazolium Functionalized Metalloporphyrins: Optimization and Analysis using Response Surface Methodology. ChemCatChem, 2020, 12, 4839-4844. | 3.7 | 13 |
| 36 | Pyridinium functionalized metalloporphyrins as bifunctional catalysts for cycloaddition of epoxides and carbon dioxide. Applied Organometallic Chemistry, 2020, 34, e5382. | 3.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Covalent Metalloporphyrin Polymer Coated on Carbon Nanotubes as Bifunctional Electrocatalysts for Water Splitting. <i>Inorganic Chemistry</i> , 2022, 61, 10198-10204. | 4.0 | 11 |
| 38 | Endogenous reactive oxygen species burst induced and spatiotemporally controlled multiple drug release by traceable nanoparticles for enhancing antitumor efficacy. <i>Biomaterials Science</i> , 2021, 9, 4968-4983. | 5.4 | 10 |
| 39 | Photo(electro)catalytic activity enhancement of PhC ₂ Cu by Fe doping induced energy band modulation and luminescence chromism switching. <i>Catalysis Science and Technology</i> , 2021, 11, 2379-2385. | 4.1 | 10 |
| 40 | An MRI-guided targeting dual-responsive drug delivery system for liver cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 783-798. | 9.4 | 10 |
| 41 | A zinc porphyrin polymer as efficient bifunctional catalyst for conversion of CO ₂ to cyclic carbonates. <i>Applied Organometallic Chemistry</i> , 2022, 36, . | 3.5 | 10 |
| 42 | Pseudopolyrotaxanes of Cucurbit[6]uril: A Three-Dimensional Network Self-assembled by ClO ₄ ⁻ (H ₂ O) ₂ Water Clusters. <i>Chinese Journal of Chemistry</i> , 2012, 30, 941-946. | 4.9 | 9 |
| 43 | Synthesis and characterization of porphyrin-based porous coordination polymers obtained by supercritical CO ₂ extraction. <i>Journal of Materials Science</i> , 2018, 53, 10534-10542. | 3.7 | 9 |
| 44 | Synthesis and evaluation of mono- and multi-hydroxyl low toxicity pH-sensitive cationic lipids for drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 69-78. | 4.0 | 9 |
| 45 | Magnetic Resonance Imaging-Guided Multi-Stimulus-Responsive Drug Delivery Strategy for Personalized and Precise Cancer Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50716-50732. | 8.0 | 9 |
| 46 | Sensitive and precise visually guided drug delivery nanoplatfrom with dual activation of pH and light. <i>Acta Biomaterialia</i> , 2022, 141, 374-387. | 8.3 | 9 |
| 47 | Protophilicity, electrochemical property, and desulfurization of diiron dithiolate complexes containing a functionalized C2 bridge with two vicinal basic sites. <i>Polyhedron</i> , 2009, 28, 1138-1144. | 2.2 | 8 |
| 48 | Preparation, characterization and catalytic oxidation properties of silica composites immobilized with cationic metalloporphyrins. <i>Journal of Materials Science</i> , 2018, 53, 14241-14249. | 3.7 | 6 |
| 49 | Meshless Method for Nonuniform Heat-Transfer/Solidification Behavior of Continuous Casting Round Billet. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2020, 51, 236-246. | 2.1 | 6 |
| 50 | A Benzimidazole-Linked Porphyrin Covalent Organic Polymers as Efficient Heterogeneous Catalyst/Photocatalyst. <i>Applied Organometallic Chemistry</i> , 0, , . | 3.5 | 6 |
| 51 | Triple-responsive targeted hybrid liposomes with high MRI performance for tumor diagnosis and therapy. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6226-6243. | 5.9 | 5 |
| 52 | Precise delivery of multi-stimulus-responsive nanocarriers based on interchangeable visual guidance. <i>Materials Science and Engineering C</i> , 2021, , 112558. | 7.3 | 5 |
| 53 | Halide-Anion Water Clusters in Cucurbit[6]uril Supramolecular Systems. <i>Chinese Journal of Chemistry</i> , 2016, 34, 1114-1120. | 4.9 | 4 |
| 54 | Synthesis, structure and electrocatalytic H ₂ -evolving activity of a dinickel model complex related to the active site of [NiFe]-hydrogenases. <i>Chinese Chemical Letters</i> , 2020, 31, 2483-2486. | 9.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Synthesis of Mn (III) porphyrin porous coordination polymers as heterogeneous catalysts for CO ₂ cycloaddition reaction. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6228. | 3.5 | 4 |
| 56 | Modeling of capacitively coupled contactless conductivity detection on microfluidic chips. <i>Microsystem Technologies</i> , 2013, 19, 1991-1996. | 2.0 | 3 |
| 57 | Metalloporphyrins Al ³⁺ porous coordination polymers: Preparations, Characterizations and Catalytic Properties. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5055. | 3.5 | 3 |
| 58 | Molecular Cobalt Catalysts Grafted onto Polymers for Efficient Hydrogen Generation Cathodes. <i>Solar Rrl</i> , 2021, 5, 2000281. | 5.8 | 3 |
| 59 | Chloridobis(dimethylglyoximate- \hat{N} ² ,N \hat{N} ²)(ethyl pyridine-4-carboxylate- \hat{N})cobalt(III) chloroform monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m204-m205. | 0.2 | 1 |
| 60 | Study of factors influencing the fabrication of Co porphyrin porous coordination polymer via metal-organic gel intermediate. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5215. | 3.5 | 1 |
| 61 | Bioinspired Design of Positioned Amine Assists Hydrogen Evolution from Neutral Water by Nickel Tripyridine-Diamine. <i>ChemCatChem</i> , 2020, 12, 3853-3856. | 3.7 | 1 |
| 62 | Introducing electrostatic interaction into Ru(bda) complexes for promoting water-oxidation catalysis. <i>Journal of Molecular Structure</i> , 2021, 1242, 130745. | 3.6 | 1 |
| 63 | Polydopamine Decorated Ru-Ni(OH) ₂ Nanosheets for Enhanced Performance of Hydrogen Evolution in Alkaline Media. <i>Catalysis Letters</i> , 0, , 1. | 2.6 | 1 |
| 64 | Chloridobis(dimethylglyoximate- \hat{N} ² ,N \hat{N} ²)(ethyl pyridine-3-carboxylate- \hat{N})cobalt(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m20-m20. | 0.2 | 0 |
| 65 | Effect of the NiN ₂ S ₂ Metallothiolate Ligands on the Preparation, Structure, and Property of Dinickel Complexes Related to [NiFe]-Hydrogenases Active Site. <i>Catalysis Letters</i> , 2022, 152, 98-105. | 2.6 | 0 |