# Yong Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/808607/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 169 papers | 9,841 citations | 26567 56 h-index | 42291 92 g-index |
| 176 all docs | 176 docs citations | 176 times ranked | 11617 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High crop yield losses induced by potential HONO sources â€" A modelling study in the North China Plain. Science of the Total Environment, 2022, 803, 149929. | 3.9 | 2 |
| 2 | Numerical Simulation of Topography Impact on Transport and Source Apportionment on PM2.5 in a Polluted City in Fenwei Plain. Atmosphere, 2022, 13, 233. | 1.0 | 0 |
| 3 | FeVO<sub>4</sub> nanowires for efficient photocatalytic CO<sub>2</sub> reduction. Catalysis Science and Technology, 2022, 12, 3289-3294. | 2.1 | 12 |
| 4 | A bioorthogonal assembly based on metallophilic interactions for selective imaging and PDT treatment of cancer cells. Inorganic Chemistry Frontiers, 2022, 9, 2290-2297. | 3.0 | 5 |
| 5 | Bandgap Engineering and Oxygen Vacancies of Ni<sub>x</sub>V<sub>2</sub>O<sub>5+x</sub> (xâ€‰=â€‰1, 2, 3) for Efficient Visible Lightâ€Driven CO<sub>2</sub> to CO with Nearly 100% Selectivity. Solar Rrl, 2022, 6, . | 3.1 | 8 |
| 6 | Conformational Engineering of Two-Coordinate Gold(I) Complexes: Regulation of Excited-State Dynamics for Efficient Delayed Fluorescence. ACS Applied Materials & Interfaces, 2022, 14, 13539-13549. | 4.0 | 20 |
| 7 | Surface functionalization of phosphorene via P-H bond for ambient protection and robust photocatalytic H2 evolution. Science China Materials, 2022, 65, 1245-1251. | 3.5 | 2 |
| 8 | Deactivation and Stabilization Mechanism of Photothermal CO<sub>2</sub> Hydrogenation over Black TiO<sub>2</sub>. ACS Sustainable Chemistry and Engineering, 2022, 10, 6382-6388. | 3.2 | 16 |
| 9 | Homogeneous solution assembled Turing structures with near zero strain semi-coherence interface. Nature Communications, 2022, 13, . | 5.8 | 13 |
| 10 | Highly efficient photocatalytic Suzuki coupling reaction by Pd3P/CdS catalyst under visible-light irradiation. Chinese Chemical Letters, 2021, 32, 676-680. | 4.8 | 20 |
| 11 | Black Phosphorus Quantum Dots Modified CdS Nanowires with Efficient Charge Separation for Enhanced Photocatalytic H<sub>2</sub> Evolution. ChemCatChem, 2021, 13, 1355-1361. | 1.8 | 20 |
| 12 | Efficient synthesis of vinylene-linked conjugated porous networks via the Hornerâ€“Wadsworthâ€“Emmons reaction for photocatalytic hydrogen evolution. Chemical Communications, 2021, 57, 7557-7560. | 2.2 | 7 |
| 13 | Electrochemical ammonia synthesis from nitrite assisted by in situ generated hydrogen atoms on a nickel phosphide catalyst. Chemical Communications, 2021, 57, 7176-7179. | 2.2 | 18 |
| 14 | Ureaâ€Assisted Synthesis and Tailoring Cobalt Cores for Synergetic Promotion of Hydrogen Evolution Reaction in Acid and Alkaline Media. Advanced Energy and Sustainability Research, 2021, 2, 2000091. | 2.8 | 5 |
| 15 | Promotion effect of metal phosphides towards electrocatalytic and photocatalytic water splitting. EcoMat, 2021, 3, e12097. | 6.8 | 46 |
| 16 | Diverse emission properties of transition metal complexes beyond exclusive single phosphorescence and their wide applications. Coordination Chemistry Reviews, 2021, 433, 213755. | 9.5 | 64 |
| 17 | Cable-car measurements of vertical aerosol profiles impacted by mountain-valley breezes in Lushan Mountain, East China. Science of the Total Environment, 2021, 768, 144198. | 3.9 | 13 |
| 18 | Active source seismic imaging on near-surface granite body: case study of siting a geological disposal repository for high-level radioactive nuclear waste. Petroleum Science, 2021, 18, 742. | 2.4 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Lanthanum bismuth oxide photocatalysts for CO<sub>2</sub>reduction to CO with high selectivity. Sustainable Energy and Fuels, 2021, 5, 2688-2694. | 2.5 | 6 |
| 20 | Electrocatalytic reforming of waste plastics into high value-added chemicals and hydrogen fuel. Chemical Communications, 2021, 57, 12595-12598. | 2.2 | 52 |
| 21 | A Bioinspired Adhesiveâ€Integratedâ€Agent Strategy for Constructing Robust Gasâ€Sensing Arrays. Advanced Materials, 2021, 33, e2106067. | 11.1 | 11 |
| 22 | Highly Efficient Thermally Activated Delayed Fluorescence from Pyrazineâ€Fused Carbene Au(I) Emitters. Chemistry - A European Journal, 2021, 27, 17834-17842. | 1.7 | 27 |
| 23 | Amineâ€Responsive Disassembly of Au<sup>I</sup>â€“Cu<sup>I</sup> Double Salts for Oxidative Carbonylation. Angewandte Chemie, 2020, 132, 2096-2100. | 1.6 | 1 |
| 24 | Black Phosphorusâ€Based Semiconductor Heterojunctions for Photocatalytic Water Splitting. Chemistry - A European Journal, 2020, 26, 4449-4460. | 1.7 | 33 |
| 25 | Amineâ€Responsive Disassembly of Au<sup>I</sup>â€“Cu<sup>I</sup> Double Salts for Oxidative Carbonylation. Angewandte Chemie - International Edition, 2020, 59, 2080-2084. | 7.2 | 21 |
| 26 | Boosting visible-light driven solar-fuel production over g-C3N4/tetra(4-carboxyphenyl)porphyrin iron(III) chloride hybrid photocatalyst via incorporation with carbon dots. Applied Catalysis B: Environmental, 2020, 265, 118595. | 10.8 | 31 |
| 27 | Photocatalysis: an overview of recent developments and technological advancements. Science China Chemistry, 2020, 63, 149-181. | 4.2 | 107 |
| 28 | Water as a cocatalyst for photocatalytic H2 production from formic acid. Nano Today, 2020, 35, 100968. | 6.2 | 23 |
| 29 | Effect of potential HONO sources on peroxyacetyl nitrate (PAN) formation in eastern China in winter. Journal of Environmental Sciences, 2020, 94, 81-87. | 3.2 | 18 |
| 30 | Seasonal characterization of aerosol composition and sources in a polluted city in Central China. Chemosphere, 2020, 258, 127310. | 4.2 | 16 |
| 31 | Visible light driven photo-reduction of Cu2+ to Cu2O to Cu in water for photocatalytic hydrogen production. RSC Advances, 2020, 10, 5930-5937. | 1.7 | 21 |
| 32 | Controlling Metallophilic Interactions in Chiral Gold(I) Double Salts towards Excitation Wavelengthâ€Tunable Circularly Polarized Luminescence. Angewandte Chemie - International Edition, 2020, 59, 6915-6922. | 7.2 | 71 |
| 33 | Controlling Metallophilic Interactions in Chiral Gold(I) Double Salts towards Excitation Wavelengthâ€Tunable Circularly Polarized Luminescence. Angewandte Chemie, 2020, 132, 6982-6989. | 1.6 | 20 |
| 34 | Frontispiece: Black Phosphorusâ€Based Semiconductor Heterojunctions for Photocatalytic Water Splitting. Chemistry - A European Journal, 2020, 26, . | 1.7 | 0 |
| 35 | Impacts of potential HONO sources on the concentrations of oxidants and secondary organic aerosols in the Beijing-Tianjin-Hebei region of China. Science of the Total Environment, 2019, 647, 836-852. | 3.9 | 66 |
| 36 | Seasonal effects of additional HONO sources and the heterogeneous reactions of N2O5 on nitrate in the North China Plain. Science of the Total Environment, 2019, 690, 97-107. | 3.9 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Raindrop Size Distribution Characteristics for Tropical Cyclones and Meiyu-Baiu Fronts Impacting Tokyo, Japan. Atmosphere, 2019, 10, 391. | 1.0 | 16 |
| 38 | Visibleâ€Lightâ€Driven Selfâ€Coupling of Methylarenes Catalyzed by Ni 2 P@Cd 0.5 Zn 0.5 S Nanoparticles. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1384-1392. | 0.6 | 2 |
| 39 | Achieving an exceptionally high loading of isolated cobalt single atoms on a porous carbon matrix for efficient visible-light-driven photocatalytic hydrogen production. Chemical Science, 2019, 10, 2585-2591. | 3.7 | 50 |
| 40 | Direct Zâ€Scheme Heteroâ€phase Junction of Black/Red Phosphorus for Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 11791-11795. | 7.2 | 301 |
| 41 | Direct Zâ€Scheme Heteroâ€phase Junction of Black/Red Phosphorus for Photocatalytic Water Splitting. Angewandte Chemie, 2019, 131, 11917-11921. | 1.6 | 108 |
| 42 | Impacts of six potential HONO sources on HOx budgets and SOA formation during a wintertime heavy haze period in the North China Plain. Science of the Total Environment, 2019, 681, 110-123. | 3.9 | 40 |
| 43 | Enhancing electrostatic interactions to activate polar molecules: ammonia borane methanolysis on a Cu/Co(OH)<sub>2</sub> nanohybrid. Catalysis Science and Technology, 2019, 9, 2828-2835. | 2.1 | 14 |
| 44 | Substrate participation ultrafast synthesis of amorphous NiFe nanosheets on iron foam at room temperature toward highly efficient oxygen evolution reaction. Journal of Energy Chemistry, 2019, 35, 197-203. | 7.1 | 20 |
| 45 | Tailoring three-dimensional porous cobalt phosphides templated from bimetallic metalâ€“organic frameworks as precious metal-free catalysts towards the dehydrogenation of ammonia-borane. Journal of Materials Chemistry A, 2019, 7, 8277-8283. | 5.2 | 36 |
| 46 | Controlled Formation of Defective Shell on TiO<sub>2</sub> (001) Facets for Enhanced Photocatalytic CO<sub>2</sub> Reduction. ChemCatChem, 2019, 11, 2270-2276. | 1.8 | 28 |
| 47 | Single-Atom Catalysts for Photocatalytic Reactions. ACS Sustainable Chemistry and Engineering, 2019, 7, 6430-6443. | 3.2 | 121 |
| 48 | Inlay of ultrafine Ru nanoparticles into a self-supported Ni(OH)<sub>2</sub> nanoarray for hydrogen evolution with low overpotential and enhanced kinetics. Journal of Materials Chemistry A, 2019, 7, 11062-11068. | 5.2 | 70 |
| 49 | Distinctive ternary CdS/Ni2P/g-C3N4 composite for overall water splitting: Ni2P accelerating separation of photocarriers. Applied Catalysis B: Environmental, 2019, 249, 246-256. | 10.8 | 129 |
| 50 | Nanomolar detection of adenosine triphosphate (ATP) using a nanostructured fluorescent chemosensing ensemble. Chemical Communications, 2019, 55, 14135-14138. | 2.2 | 17 |
| 51 | An elemental S/P photocatalyst for hydrogen evolution from water under visible to near-infrared light irradiation. Chemical Communications, 2019, 55, 13160-13163. | 2.2 | 16 |
| 52 | Black/red phosphorus quantum dots for photocatalytic water splitting: from a type I heterostructure to a Z-scheme system. Chemical Communications, 2019, 55, 12531-12534. | 2.2 | 63 |
| 53 | Excellent visible light photocatalytic H2 evolution activity of novel noble-metal-free Ni12P5/CdS composite. Catalysis Communications, 2019, 119, 176-179. | 1.6 | 13 |
| 54 | Tunable Multicolor Phosphorescence of Crystalline Polymeric Complex Salts with Metallophilic Backbones. Angewandte Chemie - International Edition, 2018, 57, 6279-6283. | 7.2 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Self-Assembly of Niâ€“Fe Layered Double Hydroxide on Fe Foam as 3D Integrated Electrocatalysts for Oxygen Evolution: Dependence of the Catalytic Performance on Anions under in Situ Condition. ACS Sustainable Chemistry and Engineering, 2018, 6, 2893-2897. | 3.2 | 44 |
| 56 | In Situ Preparation of CoP@CdS and Its Catalytic Activity toward Controlling Nitro Reduction under Visible-Light Irradiation. ACS Omega, 2018, 3, 1904-1911. | 1.6 | 14 |
| 57 | Interstitial Pâ€Doped CdS with Longâ€Lived Photogenerated Electrons for Photocatalytic Water Splitting without Sacrificial Agents. Advanced Materials, 2018, 30, 1705941. | 11.1 | 438 |
| 58 | Regular Aligned 1D Singleâ€Crystalline Supramolecular Arrays for Photodetectors. Small, 2018, 14, 1701861. | 5.2 | 18 |
| 59 | Visible-light driven oxidative coupling of amines to imines with high selectivity in air over core-shell structured CdS@C3N4. Applied Catalysis B: Environmental, 2018, 236, 176-183. | 10.8 | 115 |
| 60 | Heteroporous MoS<sub>2</sub>/Ni<sub>3</sub>S<sub>2</sub> towards superior electrocatalytic overall urea splitting. Chemical Communications, 2018, 54, 5181-5184. | 2.2 | 92 |
| 61 | Photocatalytic oxidation of arylalcohols to aromatic aldehydes promoted by hydroxyl radicals over a CoP/CdS photocatalyst in water with hydrogen evolution. Catalysis Science and Technology, 2018, 8, 2540-2545. | 2.1 | 37 |
| 62 | P-doped ZnxCd1â^'xS solid solutions as photocatalysts for hydrogen evolution from water splitting coupled with photocatalytic oxidation of 5-hydroxymethylfurfural. Applied Catalysis B: Environmental, 2018, 233, 70-79. | 10.8 | 203 |
| 63 | Ultrasmall CoP Nanoparticles as Efficient Cocatalysts for Photocatalytic Formic Acid Dehydrogenation. Joule, 2018, 2, 549-557. | 11.7 | 126 |
| 64 | Highly efficient visible-light driven photocatalytic reduction of CO2 over g-C3N4 nanosheets/tetra(4-carboxyphenyl)porphyrin iron(III) chloride heterogeneous catalysts. Applied Catalysis B: Environmental, 2018, 221, 312-319. | 10.8 | 186 |
| 65 | Correlating thermochromic and mechanochromic phosphorescence with polymorphs of a complex gold(<scp>i</scp>) double salt with infinite aurophilicity. Chemical Communications, 2018, 54, 12844-12847. | 2.2 | 41 |
| 66 | Cu(OH)2 supported on Fe(OH)3 as a synergistic and highly efficient system for the dehydrogenation of ammonia-borane. Science Bulletin, 2018, 63, 1583-1590. | 4.3 | 38 |
| 67 | Nocturnal Low-level Winds and Their Impacts on Particulate Matter over the Beijing Area. Advances in Atmospheric Sciences, 2018, 35, 1455-1468. | 1.9 | 16 |
| 68 | Counteranionâ€•and Solventâ€Mediated Chirality Transfer in the Supramolecular Polymerization of Luminescent Platinum(II) Complexes. Angewandte Chemie, 2018, 130, 17435-17439. | 1.6 | 9 |
| 69 | Counteranionâ€•and Solventâ€Mediated Chirality Transfer in the Supramolecular Polymerization of Luminescent Platinum(II) Complexes. Angewandte Chemie - International Edition, 2018, 57, 17189-17193. | 7.2 | 55 |
| 70 | Visible-light-driven CO<sub>2</sub> photoreduction over Zn<sub>x</sub>Cd<sub>1â^'x</sub>S solid solution coupling with tetra(4-carboxyphenyl)porphyrin iron(<scp>iii</scp>) chloride. Physical Chemistry Chemical Physics, 2018, 20, 16985-16991. | 1.3 | 25 |
| 71 | WO 3 nanospheres with improved catalytic activity for visible light induced cross dehydrogenative coupling reactions. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 363, 44-50. | 2.0 | 6 |
| 72 | An amphiphilic pyrene-based probe for multiple channel sensing of mercury ions. Journal of Luminescence, 2018, 203, 189-194. | 1.5 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Highly efficient visible-light driven solar-fuel production over tetra(4-carboxyphenyl)porphyrin iron(III) chloride using CdS/Bi2S3 heterostructure as photosensitizer. Applied Catalysis B: Environmental, 2018, 238, 656-663. | 10.8 | 80 |
| 74 | Ethylenediamine-functionalized CdS/tetra(4-carboxyphenyl)porphyrin iron(III) chloride hybrid system for enhanced CO2 photoreduction. Applied Surface Science, 2018, 459, 292-299. | 3.1 | 22 |
| 75 | Tunable Multicolor Phosphorescence of Crystalline Polymeric Complex Salts with Metallophilic Backbones. Angewandte Chemie, 2018, 130, 6387-6391. | 1.6 | 19 |
| 76 | Multifunctional Fluorescent Nanoprobe for Sequential Detections of Hg<sup>2+</sup> Ions and Biothiols in Live Cells. ACS Applied Bio Materials, 2018, 1, 871-878. | 2.3 | 30 |
| 77 | Ir<sup>4+</sup>-Doped NiFe LDH to expedite hydrogen evolution kinetics as a Pt-like electrocatalyst for water splitting. Chemical Communications, 2018, 54, 6400-6403. | 2.2 | 114 |
| 78 | Silver(I) Complexes of Diphenylpyridines: Crystal Structures, Luminescence Studies, Theoretical Insights, and Biological Activities. ChemPlusChem, 2017, 82, 323-332. | 1.3 | 10 |
| 79 | A Ni<sub>2</sub>P modified Ti<sup>4+</sup> doped Fe<sub>2</sub>O<sub>3</sub> photoanode for efficient solar water oxidation by promoting hole injection. Dalton Transactions, 2017, 46, 10549-10552. | 1.6 | 30 |
| 80 | Pyrophosphate-triggered nanoaggregates with aggregation-induced emission. Sensors and Actuators B: Chemical, 2017, 251, 617-623. | 4.0 | 21 |
| 81 | Highly efficient hydrolysis of ammonia borane by anion (<sup>â^'</sup>OH, F<sup>â^'</sup>,) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Communications, 2017, 53, 705-708. | 2.2 | 97 |
| 82 | Two-dimensional nanomaterials for photocatalytic CO<sub>2</sub>reduction to solar fuels. Sustainable Energy and Fuels, 2017, 1, 1875-1898. | 2.5 | 156 |
| 83 | Observation of nocturnal low-level wind shear and particulate matter in urban Beijing using a Doppler wind lidar. Atmospheric and Oceanic Science Letters, 2017, 10, 411-417. | 0.5 | 7 |
| 84 | Highly selective reduction of nitroarenes to anilines catalyzed using MOF-derived hollow Co3S4 in water under ambient conditions. Catalysis Communications, 2017, 101, 31-35. | 1.6 | 23 |
| 85 | Ternary Niâ€“Coâ€“P nanoparticles as noble-metal-free catalysts to boost the hydrolytic dehydrogenation of ammonia-borane. Energy and Environmental Science, 2017, 10, 1770-1776. | 15.6 | 222 |
| 86 | Below-cloud wet scavenging of soluble inorganic ions by rain in Beijing during the summer of 2014. Environmental Pollution, 2017, 230, 963-973. | 3.7 | 44 |
| 87 | Seismic airgun exploration of continental crust structures. Science China Earth Sciences, 2017, 60, 1739-1751. | 2.3 | 27 |
| 88 | Robust Hydrogenation of Nitrile and Nitro Groups to Primary Amines Using Ni<sub>2</sub>P as a Catalyst and Ammonia Borane under Ambient Conditions. Asian Journal of Organic Chemistry, 2017, 6, 1589-1593. | 1.3 | 22 |
| 89 | Metal Phosphides as Co-Catalysts for Photocatalytic and Photoelectrocatalytic Water Splitting. ChemSusChem, 2017, 10, 4227-4227. | 3.6 | 4 |
| 90 | Metal Phosphides as Coâ€Catalysts for Photocatalytic and Photoelectrocatalytic Water Splitting. ChemSusChem, 2017, 10, 4306-4323. | 3.6 | 150 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Observation of wind shear during evening transition and an estimation of submicron aerosol concentrations in Beijing using a Doppler wind lidar. Journal of Meteorological Research, 2017, 31, 350-362. | 0.9 | 13 |
| 92 | Highly selective oxidation of sulfides on a CdS/C<sub>3</sub>N<sub>4</sub> catalyst with dioxygen under visible-light irradiation. Catalysis Science and Technology, 2017, 7, 587-595. | 2.1 | 58 |
| 93 | Studies on the Inclusion Complexes of Daidzein with Î²-Cyclodextrin and Derivatives. Molecules, 2017, 22, 2183. | 1.7 | 30 |
| 94 | A Pyreneâ€functionalized Polynorbornene for Ratiometric Fluorescence Sensing of Pyrophosphate. Chemistry - an Asian Journal, 2016, 11, 687-690. | 1.7 | 28 |
| 95 | Rapid synthesis of ultralong Fe(OH)<sub>3</sub>:Cu(OH)<sub>2</sub> coreâ€“shell nanowires self-supported on copper foam as a highly efficient 3D electrode for water oxidation. Chemical Communications, 2016, 52, 14470-14473. | 2.2 | 68 |
| 96 | Self-Supported Cedarlike Semimetallic Cu<sub>3</sub>P Nanoarrays as a 3D High-Performance Janus Electrode for Both Oxygen and Hydrogen Evolution under Basic Conditions. ACS Applied Materials & Interfaces, 2016, 8, 23037-23048. | 4.0 | 170 |
| 97 | Selfâ€Supported Cuâ€Based Nanowire Arrays as Nobleâ€Metalâ€Free Electrocatalysts for Oxygen Evolution. ChemSusChem, 2016, 9, 2069-2073. | 3.6 | 80 |
| 98 | A Phosphorescent Platinum(II) Bipyridyl Supramolecular Polymer Based on Quadruple Hydrogen Bonds. Chemistry - A European Journal, 2016, 22, 18132-18139. | 1.7 | 23 |
| 99 | Robustly photogenerating H2 in water using FeP/CdS catalyst under solar irradiation. Scientific Reports, 2016, 6, 19846. | 1.6 | 94 |
| 100 | An observational study on vertical raindrop size distributions during stratiform rain in a semiarid plateau climate zone. Atmospheric and Oceanic Science Letters, 2016, 9, 178-184. | 0.5 | 5 |
| 101 | Photodriven formation of FeNi bimetallic nano-mixture accompanied with efficient hydrogen evolution under atmospheric oxygen. Applied Catalysis B: Environmental, 2016, 182, 59-67. | 10.8 | 13 |
| 102 | Platinum(II) Schiff Base Complexes as Photocatalysts for Visibleâ€Lightâ€Induced Crossâ€Dehydrogenative Coupling Reactions. ChemPlusChem, 2015, 80, 1541-1546. | 1.3 | 20 |
| 103 | Nanostructured Ni<sub>2</sub>P as a Robust Catalyst for the Hydrolytic Dehydrogenation of Ammoniaâ€“Borane. Angewandte Chemie - International Edition, 2015, 54, 15725-15729. | 7.2 | 204 |
| 104 | A novel polynorbornene-based chemosensor for the fluorescence sensing of Zn<sup>2+</sup> and Cd<sup>2+</sup> and subsequent detection of pyrophosphate in aqueous solutions. Dalton Transactions, 2015, 44, 7470-7476. | 1.6 | 65 |
| 105 | Luminescent zinc(<scp>ii</scp>) and copper(<scp>i</scp>) complexes for high-performance solution-processed monochromic and white organic light-emitting devices. Chemical Science, 2015, 6, 4623-4635. | 3.7 | 133 |
| 106 | New platinum and ruthenium Schiff base complexes for water splitting reactions. Dalton Transactions, 2015, 44, 14483-14493. | 1.6 | 16 |
| 107 | Ultrafine CoP Nanoparticles Supported on Carbon Nanotubes as Highly Active Electrocatalyst for Both Oxygen and Hydrogen Evolution in Basic Media. ACS Applied Materials & Interfaces, 2015, 7, 28412-28419. | 4.0 | 187 |
| 108 | Cobalt phosphide as a highly active non-precious metal cocatalyst for photocatalytic hydrogen production under visible light irradiation. Journal of Materials Chemistry A, 2015, 3, 6096-6101. | 5.2 | 161 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Electrochemical Water Oxidation by In Situ-Generated Copper Oxide Film from [Cu(TEOA)(H<sub>2</sub>O)<sub>2</sub>][SO<sub>4</sub>] Complex. Inorganic Chemistry, 2015, 54, 3061-3067. | 1.9 | 81 |
| 110 | Highly efficient and selective photocatalytic reduction of nitroarenes using the Ni<sub>2</sub>P/CdS catalyst under visible-light irradiation. Chemical Communications, 2015, 51, 13217-13220. | 2.2 | 94 |
| 111 | Improved Photocurrents for Water Oxidation by Using Metalâ€“Organic Framework Derived Hybrid Porous Co<sub>3</sub>O<sub>4</sub>@Carbon/BiVO<sub>4</sub> as a Photoanode. ChemPlusChem, 2015, 80, 1465-1471. | 1.3 | 15 |
| 112 | Phosphorescent organoplatinum(<scp>ii</scp>) complexes with a lipophilic anion: supramolecular soft nanomaterials through ionic self-assembly and metallophilicity. Chemical Communications, 2015, 51, 5371-5374. | 2.2 | 47 |
| 113 | Spectacular photocatalytic hydrogen evolution using metal-phosphide/CdS hybrid catalysts under sunlight irradiation. Chemical Communications, 2015, 51, 8708-8711. | 2.2 | 210 |
| 114 | Pincerâ€Type Platinum(II) Complexes Containing Nâ€Heterocyclic Carbene (NHC) Ligand: Structures, Photophysical and Anionâ€Binding Properties, and Anticancer Activities. Chemistry - A European Journal, 2015, 21, 7441-7453. | 1.7 | 77 |
| 115 | Incorporation of a [Ru(dcbpy)(bpy)<sub>2</sub>]<sup>2+</sup> photosensitizer and a Pt(dcbpy)Cl<sub>2</sub> catalyst into metalâ€“organic frameworks for photocatalytic hydrogen evolution from aqueous solution. Journal of Materials Chemistry A, 2015, 3, 10386-10394. | 5.2 | 131 |
| 116 | Enhanced photocatalytic H<sub>2</sub>-evolution by immobilizing CdS nanocrystals on ultrathin Co<sub>0.85</sub>Se/RGOâ€“PEI nanosheets. Journal of Materials Chemistry A, 2015, 3, 18711-18717. | 5.2 | 51 |
| 117 | One-pot synthesis of novel flower-like BiOBr0.9I0.1/BiOI heterojunction with largely enhanced electron-hole separation efficiency and photocatalytic performances. Journal of Molecular Catalysis A, 2015, 409, 94-101. | 4.8 | 37 |
| 118 | Real-Time Characterization of Aerosol Particle Composition above the Urban Canopy in Beijing: Insights into the Interactions between the Atmospheric Boundary Layer and Aerosol Chemistry. Environmental Science & Technology, 2015, 49, 11340-11347. | 4.6 | 124 |
| 119 | Highly Efficient and Selective Photocatalytic Oxidation of Sulfide by a Chromophoreâ€“Catalyst Dyad of Ruthenium-Based Complexes. Inorganic Chemistry, 2015, 54, 183-191. | 1.9 | 35 |
| 120 | Enhanced visible light photocatalytic activity and mechanism of BiPO4 nanorods modified with AgI nanoparticles. Journal of Molecular Catalysis A, 2015, 397, 85-92. | 4.8 | 71 |
| 121 | Synthesis of NiGa2O4Octahedron Nanocrystal with Exposed {111} Facets and Enhanced Efficiency of Photocatalytic Water Splitting. ChemPlusChem, 2015, 80, 223-230. | 1.3 | 18 |
| 122 | Longâ€Lived Excited States of Zwitterionic Copper(I) Complexes for Photoinduced Crossâ€Dehydrogenative Coupling Reactions. Chemistry - A European Journal, 2015, 21, 1184-1190. | 1.7 | 102 |
| 123 | A highly efficient photocatalytic H 2 evolution system using colloidal CdS nanorods and nickel nanoparticles in water under visible light irradiation. Applied Catalysis B: Environmental, 2015, 162, 381-391. | 10.8 | 76 |
| 124 | Impacts of uncertainty in AVOC emissions on the summer ROx budget and ozone production rate in the three most rapidly-developing economic growth regions of China. Advances in Atmospheric Sciences, 2014, 31, 1331-1342. | 1.9 | 21 |
| 125 | Photochemical, Electrochemical, and Photoelectrochemical Water Oxidation Catalyzed by Waterâ€Soluble Mononuclear Ruthenium Complexes. Chemistry - A European Journal, 2014, 20, 13957-13964. | 1.7 | 29 |
| 126 | Photocatalytic H2 production from water based on platinum(II) Schiff base sensitizers and a molecular cobalt catalyst. Catalysis Communications, 2014, 45, 91-94. | 1.6 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | One-pot hydrothermal synthesis of BiPO4/BiVO4 with enhanced visible-light photocatalytic activities for methylene blue degradation. RSC Advances, 2014, 4, 10968. | 1.7 | 94 |
| 128 | Efficient Water Oxidation Catalyzed by Mononuclear Ruthenium(II) Complexes Incorporating Schiff Base Ligands. Chemistry - A European Journal, 2014, 20, 8054-8061. | 1.7 | 24 |
| 129 | Bodipy dyes bearing oligo(ethylene glycol) groups on the meso-phenyl ring: tuneable solid-state photoluminescence and highly efficient OLEDs. Journal of Materials Chemistry C, 2014, 2, 5471. | 2.7 | 66 |
| 130 | New members of fluorescent 1,8-naphthyridine-based BF<sub>2</sub> compounds: selective binding of BF<sub>2</sub> with terminal bidentate N^N^O and N^C^O groups and tunable spectroscopy properties. Dalton Transactions, 2014, 43, 13924-13931. | 1.6 | 21 |
| 131 | Highly efficient photocatalytic hydrogen evolution by nickel phosphide nanoparticles from aqueous solution. Chemical Communications, 2014, 50, 10427. | 2.2 | 175 |
| 132 | Phosphorescent polymeric nanomaterials with metallophilic d10â‹¯d10 interactions self-assembled from [Au(NHC)2]+ and [M(CN)2]â^'. Chemical Science, 2014, 5, 1348. | 3.7 | 55 |
| 133 | Effects of NO x and VOCs from five emission sources on summer surface O3 over the Beijing-Tianjin-Hebei region. Advances in Atmospheric Sciences, 2014, 31, 787-800. | 1.9 | 30 |
| 134 | Novel Iâ^'-doped BiOBr composites: Modulated valence bands and largely enhanced visible light phtotocatalytic activities. Catalysis Communications, 2014, 49, 87-91. | 1.6 | 58 |
| 135 | Synthesis, structures and photophysical properties of boronâ€“fluorine derivatives based on pyridine/1,8-naphthyridine. Dyes and Pigments, 2014, 105, 157-162. | 2.0 | 16 |
| 136 | A tetraphenylethene-decorated BODIPY monomer/dimer with intense fluorescence in various matrices. New Journal of Chemistry, 2013, 37, 3755. | 1.4 | 41 |
| 137 | Enhancements of major aerosol components due to additional HONO sources in the North China Plain and implications for visibility and haze. Advances in Atmospheric Sciences, 2013, 30, 57-66. | 1.9 | 57 |
| 138 | Naphthyridineâ€“BF2 complexes with an amide-containing di-2-picolylamine receptor: Synthesis, structures and photo-induced electron transfer. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 272, 73-79. | 2.0 | 12 |
| 139 | Light-emitting platinum(ii) complexes supported by tetradentate dianionic bis(N-heterocyclic carbene) ligands: towards robust blue electrophosphors. Chemical Science, 2013, 4, 2630. | 3.7 | 152 |
| 140 | Photocatalytic reduction of CO2 with H2O over a graphene-modified NiOxâ€“Ta2O5 composite photocatalyst: coupling yields of methanol and hydrogen. RSC Advances, 2013, 3, 1753. | 1.7 | 75 |
| 141 | Luminescent Pincer-Type Cyclometalated Platinum(II) Complexes with Auxiliary Isocyanide Ligands: Phase-Transfer Preparation, Solvatomorphism, and Self-Aggregation. Organometallics, 2013, 32, 350-353. | 1.1 | 63 |
| 142 | Hybrid light-emitting devices based on phosphorescent platinum(II) complex sensitized CdSe/ZnS quantum dots. Optics Letters, 2012, 37, 1109. | 1.7 | 9 |
| 143 | Quest for an intermolecular Au(<scp>iii</scp>)â‹¯Au(<scp>iii</scp>) interaction between cyclometalated gold(<scp>iii</scp>) cations. Chemical Science, 2012, 3, 752-755. | 3.7 | 72 |
| 144 | Aggregationâ€Induced Photoluminescent Changes of Naphthyridineâ€“BF<sub>2</sub> Complexes. Chemistry - A European Journal, 2012, 18, 14599-14604. | 1.7 | 60 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Characteristics of aerosol activation efficiency and aerosol and CCN vertical distributions in North China. Journal of Meteorological Research, 2012, 26, 579-596. | 1.0 | 14 |
| 146 | Photophysical and electrochemical properties of platinum(ii) complexes bearing a chromophoreâ€“acceptor dyad and their photocatalytic hydrogen evolution. Dalton Transactions, 2012, 41, 8421. | 1.6 | 21 |
| 147 | Large Stokes Shift Induced by Intramolcular Charge Transfer in N,O-Chelated Naphthyridineâ€“BF<sub>2</sub> Complexes. Organic Letters, 2012, 14, 5226-5229. | 2.4 | 125 |
| 148 | Synergetic effect of Cu and graphene as cocatalyst on TiO2 for enhanced photocatalytic hydrogen evolution from solar water splitting. Journal of Materials Chemistry, 2012, 22, 18542. | 6.7 | 177 |
| 149 | Photolysis of Chlortetracycline in aqueous solution: Kinetics, toxicity and products. Journal of Environmental Sciences, 2012, 24, 254-260. | 3.2 | 51 |
| 150 | Single microcrystals of organoplatinum(II) complexes with high charge-carrier mobility. Chemical Science, 2011, 2, 216-220. | 3.7 | 52 |
| 151 | Blue electrophosphorescent organoplatinum(ii) complexes with dianionic tetradentate bis(carbene) ligands. Chemical Communications, 2011, 47, 9075. | 2.2 | 111 |
| 152 | Nanostructures of tetranuclear copper(i) complexes with short Cu(i)â‹¯Cu(i) contacts: crystallization-induced emission enhancement. Chemical Science, 2011, 2, 1509. | 3.7 | 34 |
| 153 | Organoâ€•and Hydrogelators Based on Luminescent Monocationic Terpyridyl Platinum(II) Complexes with Biphenylacetylide Ligands. Chemistry - an Asian Journal, 2011, 6, 3011-3019. | 1.7 | 35 |
| 154 | A Cyclometalated Platinum(II) Complex with a Pendent Pyridyl Motif as Solidâ€•State Luminescent Sensor for Acidic Vapors. Chemistry - A European Journal, 2011, 17, 4109-4112. | 1.7 | 61 |
| 155 | Tetrakis(arylisocyanide) Rhodium(I) Salts in Water: NIR Luminescent and Conductive Supramolecular Polymeric Nanowires with Hierarchical Organization. Angewandte Chemie - International Edition, 2010, 49, 9968-9971. | 7.2 | 45 |
| 156 | Supramolecular Polymers and Chromonic Mesophases Selfâ€•Organized from Phosphorescent Cationic Organoplatinum(II) Complexes in Water. Angewandte Chemie - International Edition, 2009, 48, 7621-7625. | 7.2 | 173 |
| 157 | Photoresponsive Supramolecular Organometallic Nanosheets Induced by Pt<sup>II</sup>â‹…â‹…â‹…Pt<sup>II</sup> and Cï£¿Hâ‹…â‹…â‹…Ï€ Interactions. Angewandte Chemie - International Edition, 2009, 48, 9909-9913. | 7.2 | 181 |
| 158 | Dinuclear copper(I) complexes containing diimine and phosphine ligands: Synthesis, copperâ€“copper separation and photophysical properties. Inorganica Chimica Acta, 2009, 362, 2492-2498. | 1.2 | 35 |
| 159 | Indirect Photodegradation of Amine Drugs in Aqueous Solution under Simulated Sunlight. Environmental Science & Technology, 2009, 43, 2760-2765. | 4.6 | 195 |
| 160 | Zinc(II) complexes with 1,8-naphthyridine-based ligand: Crystal structures and luminescent properties. Inorganica Chimica Acta, 2008, 361, 2335-2342. | 1.2 | 13 |
| 161 | AN EFFICIENT CRITERION FOR THE FORMATION ENERGIES AND REACTIVITIES OF DEFECTS IN CNTs AND BNNTs. Journal of Theoretical and Computational Chemistry, 2008, 07, 681-695. | 1.8 | 2 |
| 162 | Conformation impact on spectral properties of bis(5,7-dimethyl-1,8-naphthyridin-2-yl)amine and its ZnII complex. New Journal of Chemistry, 2007, 31, 1785. | 1.4 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Synthesis of Novel Pyrrolo[1â€²,5â€²â€“a]â€“1,8â€–naphthyridine Derivatives through a Facile Oneâ€Pot Process. Synthetic Communications, 2007, 37, 2145-2152. | 1.1 | 4 |
| 164 | Synthesis, structural and spectroscopic characterization of mono- and binuclear copper(I) complexes with substituted diimine and phosphine ligands. Inorganica Chimica Acta, 2007, 360, 2758-2766. | 1.2 | 29 |
| 165 | Influence of vertical eddy diffusivity parameterization on daily and monthly mean concentrations of O3 and NOy. Advances in Atmospheric Sciences, 2007, 24, 573-580. | 1.9 | 2 |
| 166 | Bond-Curvature Effect of Sidewall [2+1] Cycloadditions of Single-Walled Carbon Nanotubes:â€‰ A New Criterion To the Adduct Structures. Chemistry of Materials, 2006, 18, 3579-3584. | 3.2 | 43 |
| 167 | Study of ionizable drugs transfer across the water/ 1,2-dichloroethane interface with phase volume ratio equal to unity using a three-electrode system. Science Bulletin, 2003, 48, 1234-1239. | 1.7 | 1 |
| 168 | Studies of Electron-Transfer and Charge-Transfer Coupling Processes at a Liquid/Liquid Interface by Double-Barrel Micropipet Technique. Analytical Chemistry, 2003, 75, 6593-6601. | 3.2 | 24 |
| 169 | DISEASED RED BLOOD CELLS STUDIED BY ATOMIC FORCE MICROSCOPY. , 2003, , . | | 1 |