# Wenjing Song

List of Publications by Year
in descending order

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|---|---|---|---|
| 59 papers | 3,684 citations | 126907 33 h-index | 128289 60 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 4460 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Emergent Photostability Synchronization in Coassembled Array Members for the Steady Multiple Discrimination of Explosives. Advanced Science, 2022, 9, e2102739. | 11.2 | 4 |
| 2 | Visible-light-driven semihydrogenation of alkynes via proton reduction over carbon nitride supported nickel. Applied Catalysis B: Environmental, 2022, 304, 121004. | 20.2 | 17 |
| 3 | Photo(electro)catalytic activity enhancement of PhC<sub>2</sub>Cu by Fe doping induced energy band modulation and luminescence chromism switching. Catalysis Science and Technology, 2021, 11, 2379-2385. | 4.1 | 10 |
| 4 | Î±-Fe2O3 as a versatile and efficient oxygen atom transfer catalyst in combination with H2O as the oxygen source. Nature Catalysis, 2021, 4, 684-691. | 34.4 | 112 |
| 5 | Intermediate accumulation and toxicity reduction during the selective photoelectrochemical process of atrazine in complex water bodies. Water Research, 2021, 205, 117663. | 11.3 | 21 |
| 6 | Novel Electrochemical Pretreatment for Preferential Removal of Nonylphenol in Industrial Wastewater: Biodegradability Improvement and Toxicity Reduction. Environmental Science & Technology, 2020, 54, 1258-1266. | 10.0 | 49 |
| 7 | Nickel-Coordinated Carbon Nitride as a Metallaphotoredox Platform for the Cross-Coupling of Aryl Halides with Alcohols. ACS Catalysis, 2020, 10, 15178-15185. | 11.2 | 72 |
| 8 | Light-driven activation of carbon-halogen bonds by readily available amines for photocatalytic hydrodehalogenation. Chinese Journal of Catalysis, 2020, 41, 1474-1479. | 14.0 | 7 |
| 9 | Ligand directed debromination of tetrabromodiphenyl ether mediated by nickel under visible irradiation. Environmental Science: Nano, 2019, 6, 1585-1593. | 4.3 | 18 |
| 10 | Photocatalytic Hydrodehalogenation for the Removal of Halogenated Aromatic Contaminants. ChemCatChem, 2019, 11, 258-268. | 3.7 | 28 |
| 11 | Rate-Limiting Oâ€“O Bond Formation Pathways for Water Oxidation on Hematite Photoanode. Journal of the American Chemical Society, 2018, 140, 3264-3269. | 13.7 | 156 |
| 12 | Catalytic hydrodehalogenation over supported gold: Electron transfer versus hydride transfer. Applied Catalysis B: Environmental, 2018, 231, 262-268. | 20.2 | 31 |
| 13 | Facial boron incorporation in hematite photoanode for enhanced photoelectrochemical water oxidation. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 290-297. | 3.9 | 12 |
| 14 | Role of elemental carbon in the photochemical aging of soot. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7717-7722. | 7.1 | 70 |
| 15 | Pathways Following Electron Injection: Medium Effects and Cross-Surface Electron Transfer in a Ruthenium-Based, Chromophoreâ€“Catalyst Assembly on TiO<sub>2</sub>. Journal of Physical Chemistry C, 2018, 122, 13017-13026. | 3.1 | 10 |
| 16 | Hydrogen-Bond Bridged Water Oxidation on {001} Surfaces of Anatase TiO<sub>2</sub>. Journal of Physical Chemistry C, 2017, 121, 2251-2257. | 3.1 | 50 |
| 17 | Localized TiIII mediated dissociative electron transfer for carbon halogen bond activation on TiO2. Applied Catalysis B: Environmental, 2017, 219, 322-328. | 20.2 | 10 |
| 18 | Interfacial proton-coupled electron transfer in metal oxide semiconductor photocatalysis. Research on Chemical Intermediates, 2017, 43, 4997-5009. | 2.7 | 2 |

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|---|---|---|---|
| 19 | Doping-Promoted Solar Water Oxidation on Hematite Photoanodes. Molecules, 2016, 21, 868. | 3.8 | 21 |
| 20 | Rapid photocatalytic debromination on TiO 2 with in-situ formed copper co-catalyst: Enhanced adsorption and visible light activity. Applied Catalysis B: Environmental, 2016, 194, 150-156. | 20.2 | 67 |
| 21 | Copperâ€Based Coordination Polymer Nanostructure for Visible Light Photocatalysis. Advanced Materials, 2016, 28, 9776-9781. | 21.0 | 80 |
| 22 | Frontispiece: Inverse Kinetic Solvent Isotope Effect in TiO2Photocatalytic Dehalogenation of Non-adsorbable Aromatic Halides: A Proton-Induced Pathway. Angewandte Chemie - International Edition, 2015, 54, n/a-n/a. | 13.8 | 0 |
| 23 | Nonmetal P-doped hematite photoanode with enhanced electron mobility and high water oxidation activity. Energy and Environmental Science, 2015, 8, 1231-1236. | 30.8 | 202 |
| 24 | Frontispiz: Inverse Kinetic Solvent Isotope Effect in TiO2Photocatalytic Dehalogenation of Non-adsorbable Aromatic Halides: A Proton-Induced Pathway. Angewandte Chemie, 2015, 127, n/a-n/a. | 2.0 | 0 |
| 25 | Activation of Water in Titanium Dioxide Photocatalysis by Formation of Surface Hydrogen Bonds: An In Situ IR Spectroscopy Study. Angewandte Chemie - International Edition, 2015, 54, 5905-5909. | 13.8 | 129 |
| 26 | Inverse Kinetic Solvent Isotope Effect in TiO<sub>2</sub> Photocatalytic Dehalogenation of Nonâ€adsorbable Aromatic Halides: A Protonâ€Induced Pathway. Angewandte Chemie - International Edition, 2015, 54, 2052-2056. | 13.8 | 37 |
| 27 | Visible Light Driven Benzyl Alcohol Dehydrogenation in a Dye-Sensitized Photoelectrosynthesis Cell. Journal of the American Chemical Society, 2014, 136, 9773-9779. | 13.7 | 80 |
| 28 | Solar water splitting in a molecular photoelectrochemical cell. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20008-20013. | 7.1 | 203 |
| 29 | A Sensitized Nb<sub>2</sub>O<sub>5</sub> Photoanode for Hydrogen Production in a Dye-Sensitized Photoelectrosynthesis Cell. Chemistry of Materials, 2013, 25, 122-131. | 6.7 | 66 |
| 30 | Visualization of cation diffusion at the TiO2 interface in dye sensitized photoelectrosynthesis cells (DSPEC). Energy and Environmental Science, 2013, 6, 1240. | 30.8 | 25 |
| 31 | Accumulation of Multiple Oxidative Equivalents at a Single Site by Cross-Surface Electron Transfer on TiO<sub>2</sub>. Journal of the American Chemical Society, 2013, 135, 11587-11594. | 13.7 | 68 |
| 32 | Photoinduced Electron Transfer in a Chromophoreâ€“Catalyst Assembly Anchored to TiO<sub>2</sub>. Journal of the American Chemical Society, 2012, 134, 19189-19198. | 13.7 | 116 |
| 33 | Selfâ€Assembled Bilayer Films of Ruthenium(II)/Polypyridyl Complexes through Layerâ€byâ€Layer Deposition on Nanostructured Metal Oxides. Angewandte Chemie - International Edition, 2012, 51, 12782-12785. | 13.8 | 118 |
| 34 | Photostability of Phosphonate-Derivatized, Ru<sup>II</sup> Polypyridyl Complexes on Metal Oxide Surfaces. ACS Applied Materials & Interfaces, 2012, 4, 1462-1469. | 8.0 | 157 |
| 35 | Self-Assembled Bilayers on Indiumâ€“Tin Oxide (SAB-ITO) Electrodes: A Design for Chromophoreâ€“Catalyst Photoanodes. Inorganic Chemistry, 2012, 51, 8637-8639. | 4.0 | 33 |
| 36 | Structureâ€“Property Relationships in Phosphonate-Derivatized, Ru<sup>II</sup> Polypyridyl Dyes on Metal Oxide Surfaces in an Aqueous Environment. Journal of Physical Chemistry C, 2012, 116, 14837-14847. | 3.1 | 156 |

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|---|---|---|---|
| 37 | Interfacial Dynamics and Solar Fuel Formation in Dyeâ€Sensitized Photoelectrosynthesis Cells. ChemPhysChem, 2012, 13, 2882-2890. | 2.1 | 41 |
| 38 | Photoinduced Stepwise Oxidative Activation of a Chromophoreâ€“Catalyst Assembly on TiO<sub>2</sub>. Journal of Physical Chemistry Letters, 2011, 2, 1808-1813. | 4.6 | 93 |
| 39 | Interfacial Electron Transfer Dynamics for [Ru(bpy)<sub>2</sub>((4,4â€²-PO<sub>3</sub>H<sub>2</sub>)<sub>2</sub>bpy)]<sup>2+</sup> Sensitized TiO<sub>2</sub> in a Dye-Sensitized Photoelectrosynthesis Cell: Factors Influencing Efficiency and Dynamics. Journal of Physical Chemistry C, 2011, 115, 7081-7091. | 3.1 | 56 |
| 40 | Interfacial Electron Transfer Dynamics Following Laser Flash Photolysis of [Ru(bpy)<sub>2</sub>((4,4â€²â€PO<sub>3</sub>H<sub>2</sub>)<sub>2</sub>bpy)]<sup>2+</sup> in TiO<sub>2</sub> Nanoparticle Films in Aqueous Environments. ChemSusChem, 2011, 4, 216-227. | 6.8 | 71 |
| 41 | Visible Lightâ€Induced Release of Nitrogen Monoxide from a Nitrosylrhodium Complex. Chemistry - A European Journal, 2011, 17, 4513-4517. | 3.3 | 6 |
| 42 | Making solar fuels by artificial photosynthesis. Pure and Applied Chemistry, 2011, 83, 749-768. | 1.9 | 123 |
| 43 | Preparation, Crystal Structure, and Unusually Facile Redox Chemistry of a Macrocyclic Nitrosylrhodium Complex. Inorganic Chemistry, 2010, 49, 7182-7187. | 4.0 | 13 |
| 44 | Fast Ligand Substitution at a Chromium(III) Hydroperoxo Complex. Inorganic Chemistry, 2010, 49, 150-156. | 4.0 | 6 |
| 45 | Oxidation of a Water-Soluble Phosphine and Some Spectroscopic Probes with Nitric Oxide and Nitrous Acid in Aqueous Solutions. Inorganic Chemistry, 2009, 48, 6979-6985. | 4.0 | 17 |
| 46 | Oxidative Homolysis of a Nitrosylchromium Complex. Chemistry - A European Journal, 2008, 14, 4906-4912. | 3.3 | 7 |
| 47 | Generation of a Hydroperoxidochromium Complex from Nitratochromium(III) Ions and Hydrogen Peroxide. European Journal of Inorganic Chemistry, 2008, 2008, 4687-4689. | 2.0 | 5 |
| 48 | Catalytic activity of iron species in layered clays for photodegradation of organic dyes under visible irradiation. Applied Catalysis B: Environmental, 2008, 77, 355-363. | 20.2 | 108 |
| 49 | Electron-Transfer Reactions of Nitrosyl and Superoxo Metal Complexes. Inorganic Chemistry, 2008, 47, 8405-8411. | 4.0 | 13 |
| 50 | Anchored Oxygen-Donor Coordination to Iron for Photodegradation of Organic Pollutants. Environmental Science & Technology, 2007, 41, 5103-5107. | 10.0 | 39 |
| 51 | Zeolite NaY-mediated oxidation of dyes with H2O2: unique heterogeneous non-transition metal center cleavage of H2O2 under visible light irradiation. Science in China Series B: Chemistry, 2007, 50, 770-775. | 0.8 | 1 |
| 52 | Photodegradation of Dye Pollutants Catalyzed by Porous K3PW12O40 under Visible Irradiation. Environmental Science & Technology, 2006, 40, 3965-3970. | 10.0 | 155 |
| 53 | Decomposition of Hydrogen Peroxide Driven by Photochemical Cycling of Iron Species in Clay. Environmental Science & Technology, 2006, 40, 4782-4787. | 10.0 | 101 |
| 54 | Fenton Degradation of Organic Pollutants in the Presence of Low-Molecular-Weight Organic Acids:â€‰ Cooperative Effect of Quinone and Visible Light. Environmental Science & Technology, 2006, 40, 618-624. | 10.0 | 133 |

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| 55 | Photochemical production or depletion of hydrogen peroxide controlled by different electron transfer pathways in methyl viologen intercalated clays. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 183, 31-34. | 3.9 | 10 |
| 56 | Photochemical Oscillation of Fe(II)/Fe(III) Ratio Induced by Periodic Flux of Dissolved Organic Matter. Environmental Science & Technology, 2005, 39, 3121-3127. | 10.0 | 58 |
| 57 | Photoreaction of aromatic compounds at Î±-FeOOH/H2O interface in the presence of H2O2: evidence for organic-goethite surface complex formation. Water Research, 2005, 39, 119-128. | 11.3 | 63 |
| 58 | Fenton Degradation of Organic Compounds Promoted by Dyes under Visible Irradiation. Environmental Science & Technology, 2005, 39, 5810-5815. | 10.0 | 241 |
| 59 | An efficient approach for the photodegradation of organic pollutants by immobilized iron ions at neutral pHsElectronic supplementary information (ESI) available: experimental details and XPS spectra of the Fe 2p3/2 region for the FeIII-resin catalyst before and after degradation of MG. See http://www.rsc.org/suppdata/cc/b3/b304309f/. Chemical Communications, 2003, , 1582. | 4.1 | 49 |