

# Baoxue Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

132  
papers

9,524  
citations

36203

51  
h-index

38300

95  
g-index

133  
all docs

133  
docs citations

133  
times ranked

10081  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Highly efficient removal of total nitrogen and dissolved organic compound in waste reverse osmosis concentrate mediated by chlorine radical on 3D Co <sub>3</sub> O <sub>4</sub> nanowires anode. <i>Journal of Hazardous Materials</i> , 2022, 424, 127662.   | 6.5  | 30        |
| 2  | Oxygen vacancy-abundant carbon quantum dots as superfast hole transport channel for vastly improving surface charge transfer efficiency of BiVO <sub>4</sub> photoanode. <i>Chemical Engineering Journal</i> , 2022, 431, 133414.  | 6.6  | 36        |
| 3  | Treatment of hazardous organic amine wastewater and simultaneous electricity generation using photocatalytic fuel cell based on TiO <sub>2</sub> /WO <sub>3</sub> photoanode and Cu nanowires cathode. <i>Chemosphere</i> , 2022, 289, 133119.   | 4.2  | 17        |
| 4  | Novel Denitrification Fuel Cell for Energy Recovery of Nitrate-N and TN Removal Based on NH <sub>4</sub> <sup>+</sup> Generation on a CNW@CF Cathode. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2562-2571.   | 4.6  | 23        |
| 5  | Rapid Conversion of Co <sup>2+</sup> to Co <sup>3+</sup> by Introducing Oxygen Vacancies in Co <sub>3</sub> O <sub>4</sub> Nanowire Anodes for Nitrogen Removal with Highly Efficient H <sub>2</sub> Recovery in Urine Treatment. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9693-9701. | 4.6  | 16        |
| 6  | Efficient WO <sub>3</sub> <sup>x</sup> nanoplates photoanode based on bidentate hydrogen bonds and thermal reduction of ethylene glycol. <i>Chemical Engineering Journal</i> , 2021, 404, 127089.  | 6.6  | 11        |
| 7  | Dramatically enhanced solar-driven water splitting of BiVO <sub>4</sub> photoanode via strengthening hole transfer and light harvesting by co-modification of CQDs and ultrathin FeOOH layers. <i>Chemical Engineering Journal</i> , 2021, 403, 126350.  | 6.6  | 82        |
| 8  | Novel 3D Pd-Cu(OH) <sub>2</sub> /CF cathode for rapid reduction of nitrate-N and simultaneous total nitrogen removal from wastewater. <i>Journal of Hazardous Materials</i> , 2021, 401, 123232.   | 6.5  | 40        |
| 9  | Enhanced Oxidation of Organic Contaminants by Mn(VII)/CaSO <sub>3</sub> Under Environmentally Relevant Conditions: Performance and Mechanisms. <i>Water Research</i> , 2021, 188, 116481.  | 5.3  | 45        |
| 10 | Efficient ammonia removal and toxic chlorate control by using BiVO <sub>4</sub> /WO <sub>3</sub> heterojunction photoanode in a self-driven PEC-chlorine system. <i>Journal of Hazardous Materials</i> , 2021, 402, 123725.  | 6.5  | 40        |
| 11 | Highly-active, metal-free, carbon-based ORR cathode for efficient organics removal and electricity generation in a PFC system. <i>Chinese Chemical Letters</i> , 2021, 32, 2212-2216.  | 4.8  | 70        |
| 12 | Spin-State-Dependent Peroxymonosulfate Activation of Single-Atom Moieties via a Radical-Free Pathway. <i>ACS Catalysis</i> , 2021, 11, 9569-9577.  | 5.5  | 192       |
| 13 | Photoelectrocatalytic generation of H <sub>2</sub> and S from toxic H <sub>2</sub> S by using a novel BiOI/WO <sub>3</sub> nanoflake array photoanode. <i>Frontiers in Energy</i> , 2021, 15, 744.   | 1.2  | 6         |
| 14 | The design of high performance photoanode of CQDs/TiO <sub>2</sub> /WO <sub>3</sub> based on DFT alignment of lattice parameter and energy band, and charge distribution. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 828-837.  | 5.0  | 27        |
| 15 | Electrochemically reduced TiO <sub>2</sub> photoanode coupled with oxygen vacancy-rich carbon quantum dots for synergistically improving photoelectrochemical performance. <i>Chemical Engineering Journal</i> , 2021, 425, 131770.  | 6.6  | 53        |
| 16 | Efficient photocatalytic H <sub>2</sub> O <sub>2</sub> production from oxygen and pure water over graphitic carbon nitride decorated by oxidative red phosphorus. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120522.   | 10.8 | 68        |
| 17 | Simple method to quantify extraneous water and organic matter degradation in sewer networks. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 172-183.   | 1.2  | 2         |
| 18 | Efficient Hydrogen Generation and Total Nitrogen Removal for Urine Treatment in a Neutral Solution Based on a Self-Driving Nano Photoelectrocatalytic System. <i>Nanomaterials</i> , 2021, 11, 2777.   | 1.9  | 3         |

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|----|---|------|-----------|
| 19 | High Yield of CO and Synchronous S Recovery from the Conversion of CO <sub>2</sub> and H <sub>2</sub> S in Natural Gas Based on a Novel Electrochemical Reactor. <i>Environmental Science &amp; Technology</i> , 2021, 55, 14854-14862.   | 4.6  | 14        |
| 20 | Efficient denitrification and removal of natural organic matter, emerging pollutants simultaneously for RO concentrate based on photoelectrocatalytic radical reaction. <i>Separation and Purification Technology</i> , 2020, 234, 116032.  | 3.9  | 19        |
| 21 | Efficient degradation of N-containing organic wastewater via chlorine oxide radical generated by a photoelectrochemical system. <i>Chemical Engineering Journal</i> , 2020, 392, 123695.  | 6.6  | 35        |
| 22 | Tungsten sulfide co-catalytic radical chain-reaction for efficient organics degradation and electricity generation. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118471.  | 10.8 | 7         |
| 23 | Exhaustive denitrification via chlorine oxide radical reactions for urea based on a novel photoelectrochemical cell. <i>Water Research</i> , 2020, 170, 115357.   | 5.3  | 44        |
| 24 | Multistep Surface Trap State Finishing Based on in Situ One-Step MOF Modification over Hematite for Dramatically Enhanced Solar Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33638-33646.   | 4.0  | 5         |
| 25 | Efficient SO <sub>2</sub> Removal and Highly Synergistic H <sub>2</sub> O <sub>2</sub> Production Based on a Novel Dual-Function Photoelectrocatalytic System. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11515-11525.   | 4.6  | 25        |
| 26 | Efficient urine removal, simultaneous elimination of emerging contaminants, and control of toxic chlorate in a photoelectrocatalytic-chlorine system. <i>Environmental Pollution</i> , 2020, 267, 115605.   | 3.7  | 14        |
| 27 | Enhanced O <sub>2</sub> <sup>•-</sup> and HO <sup>•</sup> via in situ generating H <sub>2</sub> O <sub>2</sub> at activated graphite felt cathode for efficient photocatalytic fuel cell. <i>Chemical Engineering Journal</i> , 2020, 399, 125839.  | 6.6  | 22        |
| 28 | Modulation of Lewis acidic-basic sites for efficient photocatalytic H <sub>2</sub> O <sub>2</sub> production over potassium intercalated tri-s-triazine materials. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119225.   | 10.8 | 85        |
| 29 | The synergic generation of CO <sub>3</sub> <sup>•-</sup> and O <sub>2</sub> <sup>•-</sup> radicals in a novel photocatalytic fuel cell for efficient oxidation of carbonate-containing wastewater and simultaneous electricity production. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119227. | 10.8 | 11        |
| 30 | In-situ and synchronous generation of oxygen vacancies and FeOx OECs on BiVO <sub>4</sub> for ultrafast electron transfer and excellent photoelectrochemical performance. <i>Chemical Engineering Journal</i> , 2020, 401, 126134.  | 6.6  | 34        |
| 31 | Efficient organic pollutants conversion and electricity generation for carbonate-containing wastewater based on carbonate radical reactions initiated by BiVO <sub>4</sub> -Au/PVC system. <i>Journal of Hazardous Materials</i> , 2020, 389, 122140.   | 6.5  | 14        |
| 32 | Carbon quantum dots modified anatase/rutile TiO <sub>2</sub> photoanode with dramatically enhanced photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118776.   | 10.8 | 132       |
| 33 | Simulation and engineering demonstration of the advanced treatment of rainy overflow wastewater using a combined system of storage tank-wastewater treatment plant-wetland. <i>Water Environment Research</i> , 2020, 92, 1057-1069.  | 1.3  | 8         |
| 34 | Effect of Oxygen-Iron Composition on Charge Transport and Interface Reaction in Hematite. <i>ACS Catalysis</i> , 2020, 10, 2413-2418.   | 5.5  | 14        |
| 35 | Bird-nest structured ZnO/TiO <sub>2</sub> as a direct Z-scheme photoanode with enhanced light harvesting and carriers kinetics for highly efficient and stable photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118599.                                       | 10.8 | 116       |
| 36 | Efficient degradation of refractory organics for carbonate-containing wastewater via generation carbonate radical based on a photoelectrocatalytic TNA-MCF system. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118071.   | 10.8 | 36        |

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|----|--|------|-----------|
| 37 | Extremely Efficient Decomposition of Ammonia N to $N_2$ Using $ClO^-$ from Reactions of $HO^\ominus$ and HOCl Generated <i>in Situ</i> on a Novel Bifacial Photoelectroanode. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6945-6953.             | 4.6  | 84        |
| 38 | Photocatalytic fuel cell based on sulfate radicals converted from sulfates <i>in situ</i> for wastewater treatment and chemical energy utilization. <i>Catalysis Today</i> , 2019, 335, 485-491.   | 2.2  | 21        |
| 39 | Efficient TN removal and simultaneous TOC conversion for highly toxic organic amines based on a photoelectrochemical-chlorine radicals process. <i>Catalysis Today</i> , 2019, 335, 452-459.   | 2.2  | 14        |
| 40 | Highly efficient total nitrogen and simultaneous total organic carbon removal for urine based on the photoelectrochemical cycle reaction of chlorine and hydroxyl radicals. <i>Electrochimica Acta</i> , 2019, 297, 1-9.                                       | 2.6  | 27        |
| 41 | Efficient purification and chemical energy recovery from urine by using a denitrifying fuel cell. <i>Water Research</i> , 2019, 152, 117-125.  | 5.3  | 21        |
| 42 | The effect and mechanism of organic pollutants oxidation and chemical energy conversion for neutral wastewater via strengthening reactive oxygen species. <i>Science of the Total Environment</i> , 2019, 651, 1226-1235.                                      | 3.9  | 32        |
| 43 | High-efficient energy recovery from organics degradation for neutral wastewater treatment based on radicals catalytic reaction of $Fe^{2+}/Fe^{3+}$ -EDTA complexes. <i>Chemosphere</i> , 2018, 201, 59-65.  | 4.2  | 24        |
| 44 | Preparation of a $BiVO_4$ nanoporous photoanode based on peroxovanadate reduction and conversion for efficient photoelectrochemical performance. <i>Nanoscale</i> , 2018, 10, 2848-2855.   | 2.8  | 28        |
| 45 | Exhaustive Conversion of Inorganic Nitrogen to Nitrogen Gas Based on a Photoelectro-Chlorine Cycle Reaction and a Highly Selective Nitrogen Gas Generation Cathode. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1413-1420.                       | 4.6  | 87        |
| 46 | Highly-stable and efficient photocatalytic fuel cell based on an epitaxial $TiO_2/WO_3/W$ nanothorn photoanode and enhanced radical reactions for simultaneous electricity production and wastewater treatment. <i>Applied Energy</i> , 2018, 220, 127-137.    | 5.1  | 87        |
| 47 | $BiVO_4$ Photoanode with Exposed (040) Facets for Enhanced Photoelectrochemical Performance. <i>Nano-Micro Letters</i> , 2018, 10, 11.   | 14.4 | 58        |
| 48 | Dramatic enhancement of photocurrent for $BiVO_4/TiO_2$ heterojunction photoanode with suitable band-match via <i>in-situ</i> band regulation using Ta. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 18202-18210.                               | 3.8  | 26        |
| 49 | Serial hole transfer layers for a $BiVO_4$ photoanode with enhanced photoelectrochemical water splitting. <i>Nanoscale</i> , 2018, 10, 18378-18386.  | 2.8  | 44        |
| 50 | Electron blocking and hole extraction by a dual-function layer for hematite with enhanced photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 175-184.   | 10.8 | 23        |
| 51 | High yield of $H_2O_2$ and efficient S recovery from toxic $H_2S$ splitting through a self-driven photoelectrocatalytic system with a microporous GDE cathode. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 491-497.                                 | 10.8 | 24        |
| 52 | Total organic carbon and total nitrogen removal and simultaneous electricity generation for nitrogen-containing wastewater based on the catalytic reactions of hydroxyl and chlorine radicals. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 168-176. | 10.8 | 58        |
| 53 | Highly selective photocatalytic production of $H_2O_2$ on sulfur and nitrogen co-doped graphene quantum dots tuned $TiO_2$ . <i>Applied Catalysis B: Environmental</i> , 2018, 239, 475-484.   | 10.8 | 178       |
| 54 | Monolithic cobalt-doped carbon aerogel for efficient catalytic activation of peroxymonosulfate in water. <i>Journal of Hazardous Materials</i> , 2017, 332, 195-204.   | 6.5  | 103       |

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|----|---|------|-----------|
| 55 | Synthesis of WO <sub>3</sub> /BiVO <sub>4</sub> photoanode using a reaction of bismuth nitrate with peroxovanadate on WO <sub>3</sub> film for efficient photoelectrocatalytic water splitting and organic pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 21-29. | 10.8 | 134       |
| 56 | A low-cost photoelectrochemical tandem cell for highly-stable and efficient solar water splitting. <i>Nano Energy</i> , 2017, 41, 225-232.  | 8.2  | 62        |
| 57 | Self-Driven Photoelectrochemical Splitting of H <sub>2</sub> S for S and H <sub>2</sub> Recovery and Simultaneous Electricity Generation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12965-12971.  | 4.6  | 35        |
| 58 | Highly selective transformation of ammonia nitrogen to N <sub>2</sub> based on a novel solar-driven photoelectrocatalytic-chlorine radical reactions system. <i>Water Research</i> , 2017, 125, 512-519.  | 5.3  | 127       |
| 59 | Dramatic enhancement of organics degradation and electricity generation via strengthening superoxide radical by using a novel 3D AQS/PPy-GF cathode. <i>Water Research</i> , 2017, 125, 259-269.  | 5.3  | 53        |
| 60 | Selective Degradation of Organic Pollutants Using an Efficient Metal-Free Catalyst Derived from Carbonized Polypyrrole via Peroxymonosulfate Activation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11288-11296.   | 4.6  | 514       |
| 61 | Preparation of hematite with an ultrathin iron titanate layer via an in situ reaction and its stable, long-lived, and excellent photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 690-699.   | 10.8 | 21        |
| 62 | High-performance BiVO <sub>4</sub> photoanodes cocatalyzed with an ultrathin $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> layer for photoelectrochemical application. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 127-133.   | 10.8 | 133       |
| 63 | Magnetically separable maghemite/montmorillonite composite as an efficient heterogeneous Fenton-like catalyst for phenol degradation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1926-1937.  | 2.7  | 33        |
| 64 | Enhanced organic pollutants degradation and electricity production simultaneously via strengthening the radicals reaction in a novel Fenton-photocatalytic fuel cell system. <i>Water Research</i> , 2017, 108, 293-300.  | 5.3  | 84        |
| 65 | Preparation of vertically aligned WO <sub>3</sub> nanoplate array films based on peroxotungstate reduction reaction and their excellent photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 388-396.  | 10.8 | 114       |
| 66 | BiVO <sub>4</sub> /TiO <sub>2</sub> (N <sub>2</sub> ) Nanotubes Heterojunction Photoanode for Highly Efficient Photoelectrocatalytic Applications. <i>Nano-Micro Letters</i> , 2017, 9, 14.   | 14.4 | 66        |
| 67 | Efficient Degradation of Refractory Organics Using Sulfate Radicals Generated Directly from WO <sub>3</sub> Photoelectrode and the Catalytic Reaction of Sulfate. <i>Catalysts</i> , 2017, 7, 346.  | 1.6  | 16        |
| 68 | Efficient wastewater treatment and simultaneously electricity production using a photocatalytic fuel cell based on the radical chain reactions initiated by dual photoelectrodes. <i>Journal of Hazardous Materials</i> , 2017, 337, 47-54.   | 6.5  | 36        |
| 69 | The Promotion Effect and Mechanism of Methanoic Acid on the Photoelectrocatalytic Degradation of Fulvic Acid. <i>Journal of Chemistry</i> , 2016, 2016, 1-7.  | 0.9  | 0         |
| 70 | The Inhibition Effect of Tert-Butyl Alcohol on the TiO <sub>2</sub> Nano Assays Photoelectrocatalytic Degradation of Different Organics and Its Mechanism. <i>Nano-Micro Letters</i> , 2016, 8, 221-231.  | 14.4 | 39        |
| 71 | The Promotion Effect of Low-Molecular Hydroxyl Compounds on the Nano-Photoelectrocatalytic Degradation of Fulvic Acid and Mechanism. <i>Nano-Micro Letters</i> , 2016, 8, 320-327.  | 14.4 | 16        |
| 72 | A highly efficient BiVO <sub>4</sub> /WO <sub>3</sub> /W heterojunction photoanode for visible-light responsive dual photoelectrode photocatalytic fuel cell. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 224-230.   | 10.8 | 151       |

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|----|---|------|-----------|
| 73 | A solar light driven dual photoelectrode photocatalytic fuel cell (PFC) for simultaneous wastewater treatment and electricity generation. <i>Journal of Hazardous Materials</i> , 2016, 311, 51-62.   | 6.5  | 103       |
| 74 | Efficient visible light photocatalytic heterostructure of nonstoichiometric bismuth oxyiodide and iodine intercalated Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2016, 184, 20-27.  | 10.8 | 49        |
| 75 | A novel in situ preparation method for nanostructured $\text{Fe}_2\text{O}_3$ films from electrodeposited Fe films for efficient photoelectrocatalytic water splitting and the degradation of organic pollutants. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4345-4353. | 5.2  | 79        |
| 76 | Scalable one-step synthesis of TiO <sub>2</sub> /WO <sub>3</sub> films on titanium plates with an efficient electron storage ability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10195-10198.   | 5.2  | 14        |
| 77 | A novel 3D ZnO/Cu <sub>2</sub> O nanowire photocathode material with highly efficient photoelectrocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22996-23002.  | 5.2  | 46        |
| 78 | TiO <sub>2</sub> Nanotube Sensor for Online Chemical Oxygen Demand Determination in Conjunction with Flow Injection Technique. <i>Water Environment Research</i> , 2014, 86, 532-539.   | 1.3  | 12        |
| 79 | WO <sub>3</sub> /W Nanopores Sensor for Chemical Oxygen Demand (COD) Determination under Visible Light. <i>Sensors</i> , 2014, 14, 10680-10690.   | 2.1  | 19        |
| 80 | Aerated visible-light responsive photocatalytic fuel cell for wastewater treatment with producing sustainable electricity in neutral solution. <i>Chemical Engineering Journal</i> , 2014, 252, 89-94.  | 6.6  | 58        |
| 81 | Combined nanostructured Bi <sub>2</sub> S <sub>3</sub> /TNA photoanode and Pt/SiPVC photocathode for efficient self-biasing photoelectrochemical hydrogen and electricity generation. <i>Nano Energy</i> , 2014, 9, 152-160.  | 8.2  | 59        |
| 82 | RhB Adsorption Performance of Magnetic Adsorbent Fe <sub>3</sub> O <sub>4</sub> /RGO Composite and Its Regeneration through A Fenton-like Reaction. <i>Nano-Micro Letters</i> , 2014, 6, 125-135.   | 14.4 | 109       |
| 83 | Enhanced photoelectrocatalytic performance of nanoporous WO <sub>3</sub> photoanode by modification of cobalt-phosphate (Co-Pi) catalyst. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 157-161.   | 1.2  | 22        |
| 84 | Removal of trivalent chromium in the complex state of trivalent chromium passivation wastewater. <i>Chemical Engineering Journal</i> , 2014, 236, 59-65.  | 6.6  | 46        |
| 85 | Titanium Dioxide Nanomaterials for Sensor Applications. <i>Chemical Reviews</i> , 2014, 114, 10131-10176.   | 23.0 | 702       |
| 86 | RhB Adsorption Performance of Magnetic Adsorbent Fe <sub>3</sub> O <sub>4</sub> /RGO Composite and Its Regeneration through A Fenton-like Reaction. <i>Nano-Micro Letters</i> , 2014, 6, 125.   | 14.4 | 2         |
| 87 | Photoelectrocatalytic activity of an n-ZnO/p-Cu <sub>2</sub> O/n-TNA ternary heterojunction electrode for tetracycline degradation. <i>Journal of Hazardous Materials</i> , 2013, 262, 482-488.   | 6.5  | 52        |
| 88 | Converting hazardous organics into clean energy using a solar responsive dual photoelectrode photocatalytic fuel cell. <i>Journal of Hazardous Materials</i> , 2013, 262, 304-310.  | 6.5  | 92        |
| 89 | Highly-ordered dye-sensitized TiO <sub>2</sub> nanotube arrays film used for improving photoelectrochemical electrodes. <i>Science China Chemistry</i> , 2013, 56, 101-105.   | 4.2  | 8         |
| 90 | Self-Biasing Photoelectrochemical Cell for Spontaneous Overall Water Splitting under Visible Light Illumination. <i>ChemSusChem</i> , 2013, 6, 1276-1281.   | 3.6  | 41        |

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|-----|---|------|-----------|
| 91  | Solubility of 2,2,6,6-Tetrabromo-4,4-isopropylidene Phenol in Aqueous Pollutant Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 3150-3154.   | 1.0  | 1         |
| 92  | Photoelectrocatalytic Performance of Benzoic Acid on TiO <sub>2</sub> Nanotube Array Electrodes. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-7.   | 1.4  | 6         |
| 93  | Adsorption and photoelectrocatalytic characteristics of organics on TiO <sub>2</sub> nanotube arrays. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3907-3914.   | 1.2  | 4         |
| 94  | Assessment of a COD analytical method based on the photoelectrocatalysis of a TiO <sub>2</sub> nanotube array sensor. <i>Analytical Methods</i> , 2012, 4, 1790.  | 1.3  | 13        |
| 95  | Visible-Light Responsive Photocatalytic Fuel Cell Based on WO <sub>3</sub> /W Photoanode and Cu <sub>2</sub> O/Cu Photocathode for Simultaneous Wastewater Treatment and Electricity Generation. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11451-11458. | 4.6  | 167       |
| 96  | Photoelectrocatalytic degradation of refractory organic compounds enhanced by a photocatalytic fuel cell. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 485-491.   | 10.8 | 110       |
| 97  | Preparation of well-aligned WO <sub>3</sub> nanoflake arrays vertically grown on tungsten substrate as photoanode for photoelectrochemical water splitting. <i>Electrochemistry Communications</i> , 2012, 20, 153-156.   | 2.3  | 52        |
| 98  | The hazardous hexavalent chromium formed on trivalent chromium conversion coating: The origin, influence factors and control measures. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 56-61.  | 6.5  | 24        |
| 99  | Efficient electricity production and simultaneously wastewater treatment via a high-performance photocatalytic fuel cell. <i>Water Research</i> , 2011, 45, 3991-3998.  | 5.3  | 138       |
| 100 | Characterization and Mechanism of the Photoelectrocatalytic Oxidation of Organic Pollutants in a Thin-Layer Reactor. <i>Chinese Journal of Catalysis</i> , 2011, 32, 1357-1363.   | 6.9  | 6         |
| 101 | A TiO <sub>2</sub> -nanotube-array-based photocatalytic fuel cell using refractory organic compounds as substrates for electricity generation. <i>Chemical Communications</i> , 2011, 47, 10314.  | 2.2  | 156       |
| 102 | Magnetically separable mesoporous silica nanocomposite and its application in Fenton catalysis. <i>Microporous and Mesoporous Materials</i> , 2011, 145, 217-223.   | 2.2  | 61        |
| 103 | A highly active bimetallic oxides catalyst supported on Al-containing MCM-41 for Fenton oxidation of phenol solution. <i>Applied Catalysis B: Environmental</i> , 2011, 110, 118-125.   | 10.8 | 164       |
| 104 | Effect of Structural Parameters of TiO <sub>2</sub> Nanotube Arrays upon Their Photocatalytic/Photoelectrocatalytic Performance. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2236-2242.   | 2.6  | 2         |
| 105 | Highly stable CdS-modified short TiO <sub>2</sub> nanotube array electrode for efficient visible-light hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 167-174.  | 3.8  | 115       |
| 106 | Photoelectrochemical degradation of methyl orange by TiO <sub>2</sub> nanopore arrays electrode and its comparison with TiO <sub>2</sub> nanotube arrays electrode. <i>Water Science and Technology</i> , 2010, 62, 2783-2789.  | 1.2  | 1         |
| 107 | Synthesis of Visible-Light Responsive Graphene Oxide/TiO <sub>2</sub> Composites with p/n Heterojunction. <i>ACS Nano</i> , 2010, 4, 6425-6432.   | 7.3  | 829       |
| 108 | A novel thin-layer photoelectrocatalytic (PEC) reactor with double-faced titania nanotube arrays electrode for effective degradation of tetracycline. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 154-160.  | 10.8 | 57        |

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|-----|---|------|-----------|
| 109 | Template-free sol-gel preparation and characterization of free-standing visible light responsive C,N-modified porous monolithic TiO <sub>2</sub> . Journal of Hazardous Materials, 2010, 178, 560-565.  | 6.5  | 24        |
| 110 | Synthesis of coated solvent impregnated resin for the adsorption of indium (III). Hydrometallurgy, 2010, 101, 148-155.  | 1.8  | 60        |
| 111 | A new glass substrate photoelectrocatalytic electrode for efficient visible-light hydrogen production: CdS sensitized TiO <sub>2</sub> nanotube arrays. Applied Catalysis B: Environmental, 2010, 95, 408-413.  | 10.8 | 120       |
| 112 | Kinetics and Mechanisms for Photoelectrochemical Degradation of Glucose on Highly Effective Self-Organized TiO <sub>2</sub> Nanotube Arrays. Chinese Journal of Catalysis, 2010, 31, 163-170.   | 6.9  | 10        |
| 113 | Enhanced Photoelectrochemical Properties of Cu <sub>2</sub> O-loaded Short TiO <sub>2</sub> Nanotube Array Electrode Prepared by Sonoelectrochemical Deposition. Nano-Micro Letters, 2010, 2, 277-284.  | 14.4 | 55        |
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