

Jing Bai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

4,259
citations

37
h-index

63
g-index

109
ext. papers

5,139
ext. citations

12.4
avg, IF

5.85
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 106 | Treatment of hazardous organic amine wastewater and simultaneous electricity generation using photocatalytic fuel cell based on TiO ₂ /WO ₃ photoanode and Cu nanowires cathode. <i>Chemosphere</i> , 2021 , 289, 133119 | 8.4 | 1 |
| 105 | High Yield of CO and Synchronous S Recovery from the Conversion of CO and HS in Natural Gas Based on a Novel Electrochemical Reactor. <i>Environmental Science & Technology</i> , 2021 , 55, 14854-14862 | 10.3 | 1 |
| 104 | Highly efficient removal of total nitrogen and dissolved organic compound in waste reverse osmosis concentrate mediated by chlorine radical on 3D CoO nanowires anode. <i>Journal of Hazardous Materials</i> , 2021 , 127662 | 12.8 | 1 |
| 103 | Spin-State-Dependent Peroxymonosulfate Activation of Single-Atom Mn Moieties via a Radical-Free Pathway. <i>ACS Catalysis</i> , 2021 , 11, 9569-9577 | 13.1 | 34 |
| 102 | Trace organic contaminants abatement by permanganate/bisulfite pretreatment coupled with conventional water treatment processes: Lab- and pilot-scale tests. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123380 | 12.8 | 5 |
| 101 | Efficient WO ₃ nanoplates photoanode based on bidentate hydrogen bonds and thermal reduction of ethylene glycol. <i>Chemical Engineering Journal</i> , 2021 , 404, 127089 | 14.7 | 3 |
| 100 | Novel 3D Pd-Cu(OH)/CF cathode for rapid reduction of nitrate-N and simultaneous total nitrogen removal from wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123232 | 12.8 | 10 |
| 99 | Enhanced Oxidation of Organic Contaminants by Mn(VII)/CaSO Under Environmentally Relevant Conditions: Performance and Mechanisms. <i>Water Research</i> , 2021 , 188, 116481 | 12.5 | 13 |
| 98 | Efficient ammonia removal and toxic chlorate control by using BiVO ₃ /WO ₃ heterojunction photoanode in a self-driven PEC-chlorine system. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123725 | 12.8 | 9 |
| 97 | Effect of oxygen concentration and distribution on holes transfer and photoelectrocatalytic properties in hematite. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 7309-7319 | 6.7 | 1 |
| 96 | Photoelectrocatalytic generation of H ₂ and S from toxic H ₂ S by using a novel BiOI/WO ₃ nanoflake array photoanode. <i>Frontiers in Energy</i> , 2021 , 15, 744 | 2.6 | 0 |
| 95 | The design of high performance photoanode of CQDs/TiO ₂ /WO ₃ 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 | 9.3 | 5 |
| 94 | 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 | 4.2 | 1 |
| 93 | 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 | 9.3 | 3 |
| 92 | The synergic generation of CO ₃ ^{•-} and O ₂ ^{•-} 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 | 21.8 | 3 |
| 91 | Efficient organic pollutants conversion and electricity generation for carbonate-containing wastewater based on carbonate radical reactions initiated by BiVO ₃ -Au/PVC system. <i>Journal of Hazardous Materials</i> , 2020 , 389, 122140 | 12.8 | 6 |
| 90 | Carbon quantum dots modified anatase/rutile TiO ₂ photoanode with dramatically enhanced photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118776 | 21.8 | 62 |

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| 89 | 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 | 2.8 | 3 |
| 88 | Effect of Oxygen/Iron Composition on Charge Transport and Interface Reaction in Hematite. <i>ACS Catalysis</i> , 2020 , 10, 2413-2418 | 13.1 | 3 |
| 87 | Efficient degradation of N-containing organic wastewater via chlorine oxide radical generated by a photoelectrochemical system. <i>Chemical Engineering Journal</i> , 2020 , 392, 123695 | 14.7 | 10 |
| 86 | Tungsten sulfide co-catalytic radical chain-reaction for efficient organics degradation and electricity generation. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118471 | 21.8 | 4 |
| 85 | Exhaustive denitrification via chlorine oxide radical reactions for urea based on a novel photoelectrochemical cell. <i>Water Research</i> , 2020 , 170, 115357 | 12.5 | 15 |
| 84 | 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 & Interfaces</i> , 2020 , 12, 33638-33646 | 9.5 | 26 |
| 83 | Efficient SO Removal and Highly Synergistic HO Production Based on a Novel Dual-Function Photoelectrocatalytic System. <i>Environmental Science & Technology</i> , 2020 , 54, 11515-11525 | 10.3 | 14 |
| 82 | Surface metal valence state regulating on hematite to weaken dependence of charge transport to catalyst loading. <i>Nano Energy</i> , 2020 , 78, 105396 | 17.1 | 3 |
| 81 | 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 | 8.3 | 10 |
| 80 | 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 | 21.8 | 19 |
| 79 | Extremely Efficient Decomposition of Ammonia N to N Using ClO from Reactions of HO and HOCl Generated in Situ on a Novel Bifacial Photoelectroanode. <i>Environmental Science & Technology</i> , 2019 , 53, 6945-6953 | 10.3 | 25 |
| 78 | Photocatalytic fuel cell based on sulfate radicals converted from sulfates in situ for wastewater treatment and chemical energy utilization. <i>Catalysis Today</i> , 2019 , 335, 485-491 | 5.3 | 14 |
| 77 | 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 | 5.3 | 7 |
| 76 | Coupled Effect of Sulfidation and Ferrous Dosing on Selenate Removal by Zerovalent Iron Under Aerobic Conditions. <i>Environmental Science & Technology</i> , 2019 , 53, 14577-14585 | 10.3 | 20 |
| 75 | 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 | 6.7 | 16 |
| 74 | Efficient purification and chemical energy recovery from urine by using a denitrifying fuel cell. <i>Water Research</i> , 2019 , 152, 117-125 | 12.5 | 10 |
| 73 | 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 | 10.2 | 21 |
| 72 | High-efficient energy recovery from organics degradation for neutral wastewater treatment based on radicals catalytic reaction of Fe/Fe-EDTA complexes. <i>Chemosphere</i> , 2018 , 201, 59-65 | 8.4 | 17 |

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| 71 | Preparation of a BiVO nanoporous photoanode based on peroxovanadate reduction and conversion for efficient photoelectrochemical performance. <i>Nanoscale</i> , 2018 , 10, 2848-2855 | 7.7 | 25 |
| 70 | 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 & Technology</i> , 2018 , 52, 1413-1420 | 10.3 | 50 |
| 69 | 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 | 10.7 | 62 |
| 68 | High yield of H ₂ O ₂ and efficient S recovery from toxic H ₂ S splitting through a self-driven photoelectrocatalytic system with a microporous GDE cathode. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 491-497 | 21.8 | 16 |
| 67 | 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 | 21.8 | 35 |
| 66 | Highly selective photocatalytic production of H ₂ O ₂ on sulfur and nitrogen co-doped graphene quantum dots tuned TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 475-484 | 21.8 | 105 |
| 65 | BiVO Photoanode with Exposed (040) Facets for Enhanced Photoelectrochemical Performance. <i>Nano-Micro Letters</i> , 2018 , 10, 11 | 19.5 | 47 |
| 64 | Dramatic enhancement of photocurrent for BiVO ₄ /TiO ₂ heterojunction photoanode with suitable band-match via in-situ band regulation using Ta. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 18202-18216 | 6.7 | 16 |
| 63 | Serial hole transfer layers for a BiVO photoanode with enhanced photoelectrochemical water splitting. <i>Nanoscale</i> , 2018 , 10, 18378-18386 | 7.7 | 28 |
| 62 | 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 | 21.8 | 15 |
| 61 | Monolithic cobalt-doped carbon aerogel for efficient catalytic activation of peroxydisulfate in water. <i>Journal of Hazardous Materials</i> , 2017 , 332, 195-204 | 12.8 | 76 |
| 60 | Synthesis of WO ₃ /BiVO ₄ photoanode using a reaction of bismuth nitrate with peroxovanadate on WO ₃ film for efficient photoelectrocatalytic water splitting and organic pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 21-29 | 21.8 | 102 |
| 59 | A low-cost photoelectrochemical tandem cell for highly-stable and efficient solar water splitting. <i>Nano Energy</i> , 2017 , 41, 225-232 | 17.1 | 42 |
| 58 | Self-Driven Photoelectrochemical Splitting of HS for S and H Recovery and Simultaneous Electricity Generation. <i>Environmental Science & Technology</i> , 2017 , 51, 12965-12971 | 10.3 | 20 |
| 57 | Highly selective transformation of ammonia nitrogen to N based on a novel solar-driven photoelectrocatalytic-chlorine radical reactions system. <i>Water Research</i> , 2017 , 125, 512-519 | 12.5 | 70 |
| 56 | 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 | 12.5 | 39 |
| 55 | Selective Degradation of Organic Pollutants Using an Efficient Metal-Free Catalyst Derived from Carbonized Polypyrrole via Peroxydisulfate Activation. <i>Environmental Science & Technology</i> , 2017 , 51, 11288-11296 | 10.3 | 311 |
| 54 | 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 | 21.8 | 13 |

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| 53 | High-performance BiVO ₄ photoanodes cocatalyzed with an ultrathin β -Fe ₂ O ₃ layer for photoelectrochemical application. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 127-133 | 21.8 | 108 |
| 52 | 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 | 5.1 | 27 |
| 51 | 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 | 12.5 | 68 |
| 50 | Preparation of vertically aligned WO ₃ nanoplate array films based on peroxotungstate reduction reaction and their excellent photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 388-396 | 21.8 | 90 |
| 49 | BiVO/TiO(N) Nanotubes Heterojunction Photoanode for Highly Efficient Photoelectrocatalytic Applications. <i>Nano-Micro Letters</i> , 2017 , 9, 14 | 19.5 | 55 |
| 48 | Impact of wastewater treatment plant effluent on an urban river. <i>Journal of Freshwater Ecology</i> , 2017 , 32, 697-710 | 1.4 | 15 |
| 47 | Efficient Degradation of Refractory Organics Using Sulfate Radicals Generated Directly from WO ₃ Photoelectrode and the Catalytic Reaction of Sulfate. <i>Catalysts</i> , 2017 , 7, 346 | 4 | 12 |
| 46 | 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 | 12.8 | 31 |
| 45 | The Inhibition Effect of Tert-Butyl Alcohol on the TiO Nano Assays Photoelectrocatalytic Degradation of Different Organics and Its Mechanism. <i>Nano-Micro Letters</i> , 2016 , 8, 221-231 | 19.5 | 31 |
| 44 | 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 | 19.5 | 14 |
| 43 | A highly efficient BiVO ₄ /WO ₃ /W heterojunction photoanode for visible-light responsive dual photoelectrode photocatalytic fuel cell. <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 224-230 | 21.8 | 120 |
| 42 | 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 | 12.8 | 83 |
| 41 | The Promotion Effect and Mechanism of Methanoic Acid on the Photoelectrocatalytic Degradation of Fulvic Acid. <i>Journal of Chemistry</i> , 2016 , 2016, 1-7 | 2.3 | |
| 40 | Scalable one-step synthesis of TiO ₂ /WO ₃ films on titanium plates with an efficient electron storage ability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10195-10198 | 13 | 12 |
| 39 | A novel 3D ZnO/Cu ₂ O nanowire photocathode material with highly efficient photoelectrocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22996-23002 | 13 | 37 |
| 38 | A novel in situ preparation method for nanostructured β -Fe ₂ 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 | 13 | 68 |
| 37 | 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 | 14.7 | 51 |
| 36 | Combined nanostructured Bi ₂ S ₃ /TNA photoanode and Pt/SiPVC photocathode for efficient self-biasing photoelectrochemical hydrogen and electricity generation. <i>Nano Energy</i> , 2014 , 9, 152-160 | 17.1 | 51 |

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| 35 | RhB Adsorption Performance of Magnetic Adsorbent Fe ₃ O ₄ /RGO Composite and Its Regeneration through A Fenton-like Reaction. <i>Nano-Micro Letters</i> , 2014 , 6, 125-135 | 19.5 | 92 |
| 34 | Enhanced photoelectrocatalytic performance of nanoporous WO ₃ photoanode by modification of cobalt phosphate (CoPi) catalyst. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 157-161 | 2.6 | 20 |
| 33 | Removal of trivalent chromium in the complex state of trivalent chromium passivation wastewater. <i>Chemical Engineering Journal</i> , 2014 , 236, 59-65 | 14.7 | 37 |
| 32 | Titanium dioxide nanomaterials for sensor applications. <i>Chemical Reviews</i> , 2014 , 114, 10131-76 | 68.1 | 573 |
| 31 | TiO ₂ nanotube sensor for online chemical oxygen demand determination in conjunction with flow injection technique. <i>Water Environment Research</i> , 2014 , 86, 532-9 | 2.8 | 7 |
| 30 | WO ₃ nanopores sensor for chemical oxygen demand (COD) determination under visible light. <i>Sensors</i> , 2014 , 14, 10680-90 | 3.8 | 15 |
| 29 | RhB Adsorption Performance of Magnetic Adsorbent Fe ₃ O ₄ /RGO Composite and Its Regeneration through A Fenton-like Reaction 2014 , 6, 125 | | 2 |
| 28 | Photoelectrocatalytic activity of an n-ZnO/p-Cu ₂ O/n-TNA ternary heterojunction electrode for tetracycline degradation. <i>Journal of Hazardous Materials</i> , 2013 , 262, 482-8 | 12.8 | 46 |
| 27 | Converting hazardous organics into clean energy using a solar responsive dual photoelectrode photocatalytic fuel cell. <i>Journal of Hazardous Materials</i> , 2013 , 262, 304-10 | 12.8 | 79 |
| 26 | Highly-ordered dye-sensitized TiO ₂ nanotube arrays film used for improving photoelectrochemical electrodes. <i>Science China Chemistry</i> , 2013 , 56, 101-105 | 7.9 | 8 |
| 25 | Self-assembled, nanowire network electrodes for depleted bulk heterojunction solar cells. <i>Advanced Materials</i> , 2013 , 25, 1769-73 | 24 | 101 |
| 24 | Self-biasing photoelectrochemical cell for spontaneous overall water splitting under visible-light illumination. <i>ChemSusChem</i> , 2013 , 6, 1276-81 | 8.3 | 37 |
| 23 | Solubility of 2,2',6,6'-Tetrabromo-4,4'-isopropylidene Phenol in Aqueous Pollutant Solutions. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 3150-3154 | 2.8 | 1 |
| 22 | Photoelectrocatalytic Performance of Benzoic Acid on TiO ₂ Nanotube Array Electrodes. <i>International Journal of Photoenergy</i> , 2013 , 2013, 1-7 | 2.1 | 6 |
| 21 | Preparation of well-aligned WO ₃ nanoflake arrays vertically grown on tungsten substrate as photoanode for photoelectrochemical water splitting. <i>Electrochemistry Communications</i> , 2012 , 20, 153-156 | 5.1 | 45 |
| 20 | Adsorption and photoelectrocatalytic characteristics of organics on TiO ₂ nanotube arrays. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 3907-3914 | 2.6 | 4 |
| 19 | Assessment of a COD analytical method based on the photoelectrocatalysis of a TiO ₂ nanotube array sensor. <i>Analytical Methods</i> , 2012 , 4, 1790 | 3.2 | 11 |
| 18 | Effect of Structural Parameters of TiO ₂ Nanotube Arrays upon Their Photocatalytic/Photoelectrocatalytic Performance. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 2236-2242 | 4.9 | 1 |

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| 17 | Highly stable CdS-modified short TiO ₂ nanotube array electrode for efficient visible-light hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 167-174 | 6.7 | 106 |
| 16 | Enhanced Photoelectrocatalytic Degradation of Azo-Dye Pollutants Using Transparent Titania Nanotube Arrays Glass Electrode. <i>Advanced Materials Research</i> , 2011 , 311-313, 2089-2092 | 0.5 | 1 |
| 15 | Enhanced Photoelectrochemical Properties of Cu ₂ O-loaded Short TiO ₂ Nanotube Array Electrode Prepared by Sonoelectrochemical Deposition. <i>Nano-Micro Letters</i> , 2010 , 2, 277-284 | 19.5 | 51 |
| 14 | Photoelectrochemical degradation of methyl orange by TiO ₂ (2) nanopore arrays electrode and its comparison with TiO ₂ (2) nanotube arrays electrode. <i>Water Science and Technology</i> , 2010 , 62, 2783-9 | 2.2 | 1 |
| 13 | 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 ^{21.8} | 21.8 | 50 |
| 12 | A new glass substrate photoelectrocatalytic electrode for efficient visible-light hydrogen production: CdS sensitized TiO ₂ nanotube arrays. <i>Applied Catalysis B: Environmental</i> , 2010 , 95, 408-413 | 21.8 | 115 |
| 11 | Kinetics and Mechanisms for Photoelectrochemical Degradation of Glucose on Highly Effective Self-Organized TiO ₂ Nanotube Arrays. <i>Chinese Journal of Catalysis</i> , 2010 , 31, 163-170 | 11.3 | 10 |
| 10 | Enhanced Photoelectrochemical Properties of Cu ₂ O-loaded Short TiO ₂ Nanotube Array Electrode Prepared by Sonoelectrochemical Deposition 2010 , 2, 277 | | 4 |
| 9 | Comparison of photoelectrochemical properties of TiO ₂ -nanotube-array photoanode prepared by anodization in different electrolyte. <i>Environmental Chemistry Letters</i> , 2009 , 7, 363-368 | 13.3 | 38 |
| 8 | Photoelectrocatalytic degradation of tetracycline by highly effective TiO ₂ nanopore arrays electrode. <i>Journal of Hazardous Materials</i> , 2009 , 171, 678-83 | 12.8 | 126 |
| 7 | Efficient photochemical water splitting and organic pollutant degradation by highly ordered TiO ₂ nanopore arrays. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 142-148 | 21.8 | 77 |
| 6 | Preparation of short, robust and highly ordered TiO ₂ nanotube arrays and their applications as electrode. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 326-332 | 21.8 | 61 |
| 5 | Photoelectrocatalytic COD determination method using highly ordered TiO ₂ (2) nanotube array. <i>Water Research</i> , 2009 , 43, 1986-92 | 12.5 | 74 |
| 4 | Preparation of photocatalytic anatase nanowire films by in situ oxidation of titanium plate. <i>Nanotechnology</i> , 2009 , 20, 185703 | 3.4 | 56 |
| 3 | The formation mechanism of titania nanotube arrays in hydrofluoric acid electrolyte. <i>Journal of Materials Science</i> , 2008 , 43, 1880-1884 | 4.3 | 65 |
| 2 | TiO ₂ nanotube arrays and TiO ₂ -nanotube-array based dye-sensitized solar cell. <i>Science Bulletin</i> , 2007 , 52, 1585-1589 | | 14 |
| 1 | Charge recombination in dye-sensitized nanoporous TiO ₂ solar cell. <i>Science Bulletin</i> , 2005 , 50, 2408-2412 | | 7 |