# Xinshan Song

List of Publications by Year
in descending order

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|---|---|---|---|
| 57<br>papers | 1,970<br>citations | 257101<br>24<br>h-index | 253896<br>43<br>g-index |
| 57<br>all docs | 57<br>docs citations | 57<br>times ranked | 1528<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nitrate removal and bioenergy production in constructed wetland coupled with microbial fuel cell: Establishment of electrochemically active bacteria community on anode. Bioresource Technology, 2016, 221, 358-365. | 4.8 | 133 |
| 2 | Intensified heterotrophic denitrification in constructed wetlands using four solid carbon sources: Denitrification efficiency and bacterial community structure. Bioresource Technology, 2018, 267, 416-425. | 4.8 | 121 |
| 3 | Bioenergy generation and simultaneous nitrate and phosphorus removal in a pyrite-based constructed wetland-microbial fuel cell. Bioresource Technology, 2020, 296, 122350. | 4.8 | 119 |
| 4 | Microbial community structure of different electrode materials in constructed wetland incorporating microbial fuel cell. Bioresource Technology, 2016, 221, 697-702. | 4.8 | 104 |
| 5 | Bioenergy generation and rhizodegradation as affected by microbial community distribution in a coupled constructed wetland-microbial fuel cell system associated with three macrophytes. Science of the Total Environment, 2017, 607-608, 53-62. | 3.9 | 95 |
| 6 | High-effective denitrification of low C/N wastewater by combined constructed wetland and biofilm-electrode reactor (CWâ€“BER). Bioresource Technology, 2016, 203, 245-251. | 4.8 | 94 |
| 7 | Bioenergy generation and degradation pathway of phenanthrene and anthracene in a constructed wetland-microbial fuel cell with an anode amended with nZVI. Water Research, 2019, 150, 340-348. | 5.3 | 87 |
| 8 | Recent advances in anaerobic biological processes for textile printing and dyeing wastewater treatment: a mini-review. World Journal of Microbiology and Biotechnology, 2018, 34, 165. | 1.7 | 85 |
| 9 | Untangling the nitrate removal pathways for a constructed wetland- sponge iron coupled system and the impacts of sponge iron on a wetland ecosystem. Journal of Hazardous Materials, 2020, 393, 122407. | 6.5 | 80 |
| 10 | The inhibition and adaptability of four wetland plant species to high concentration of ammonia wastewater and nitrogen removal efficiency in constructed wetlands. Bioresource Technology, 2016, 202, 198-205. | 4.8 | 71 |
| 11 | High efficiency of inorganic nitrogen removal by integrating biofilm-electrode with constructed wetland: Autotrophic denitrifying bacteria analysis. Bioresource Technology, 2017, 227, 7-14. | 4.8 | 68 |
| 12 | Bioelectricity generation, contaminant removal and bacterial community distribution as affected by substrate material size and aquatic macrophyte in constructed wetland-microbial fuel cell. Bioresource Technology, 2017, 245, 372-378. | 4.8 | 66 |
| 13 | Treatment of industrial dyeing wastewater with a pilot-scale strengthened circulation anaerobic reactor. Bioresource Technology, 2018, 264, 154-162. | 4.8 | 63 |
| 14 | Granulation process in an expanded granular sludge blanket (EGSB) reactor for domestic sewage treatment: Impact of extracellular polymeric substances compositions and evolution of microbial population. Bioresource Technology, 2018, 269, 153-161. | 4.8 | 60 |
| 15 | Montmorillonite supported nanoscale zero-valent iron immobilized in sodium alginate (SA/Mt-NZVI) enhanced the nitrogen removal in vertical flow constructed wetlands (VFCWs). Bioresource Technology, 2018, 267, 608-617. | 4.8 | 46 |
| 16 | Nitrogen removal performance in planted and unplanted horizontal subsurface flow constructed wetlands treating different influent COD/N ratios. Environmental Science and Pollution Research, 2016, 23, 9012-9018. | 2.7 | 41 |
| 17 | Modified solid carbon sources with nitrate adsorption capability combined with nZVI improve the denitrification performance of constructed wetlands. Bioresource Technology, 2019, 294, 122189. | 4.8 | 40 |
| 18 | Trend Analysis of Climatic and Hydrological Variables in the Awash River Basin, Ethiopia. Water (Switzerland), 2018, 10, 1554. | 1.2 | 37 |

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|---|---|---|---|
| 19 | Chlorella vulgaris on the cathode promoted the performance of sediment microbial fuel cells for electrogenesis and pollutant removal. Science of the Total Environment, 2020, 728, 138011. | 3.9 | 36 |
| 20 | Intensified nitrogen removal in immobilized nitrifier enhanced constructed wetlands with external carbon addition. Bioresource Technology, 2016, 218, 1261-1265. | 4.8 | 31 |
| 21 | Bacterial and archaeal community distribution and stabilization of anaerobic sludge in a strengthen circulation anaerobic (SCA) reactor for municipal wastewater treatment. Bioresource Technology, 2017, 244, 750-758. | 4.8 | 31 |
| 22 | Correlating microbial community structure with operational conditions in biological aerated filter reactor for efficient nitrogen removal of municipal wastewater. Bioresource Technology, 2018, 250, 374-381. | 4.8 | 31 |
| 23 | Algicidal mechanism of Raoultella ornithinolytica against Microcystis aeruginosa: Antioxidant response, photosynthetic system damage and microcystin degradation. Environmental Pollution, 2021, 287, 117644. | 3.7 | 31 |
| 24 | Intensified nitrogen removal of constructed wetland by novel integration of high rate algal pond biotechnology. Bioresource Technology, 2016, 219, 757-761. | 4.8 | 29 |
| 25 | Intensified nitrogen removal in constructed wetlands by novel spray aeration system and different influent COD/N ratios. Bioresource Technology, 2020, 306, 123008. | 4.8 | 27 |
| 26 | Mechanism and performance of trace metal removal by continuous-flow constructed wetlands coupled with a micro-electric field. Water Research, 2019, 164, 114937. | 5.3 | 26 |
| 27 | Intensifying anoxic ammonium removal by manganese ores and granular active carbon fillings in constructed wetland-microbial fuel cells: Metagenomics reveals functional genes and microbial mechanisms. Bioresource Technology, 2022, 352, 127114. | 4.8 | 23 |
| 28 | Effect of supplying a carbon extracting solution on denitrification in horizontal subsurface flow constructed wetlands. Korean Journal of Chemical Engineering, 2013, 30, 379-384. | 1.2 | 21 |
| 29 | Influences of iron and calcium carbonate on wastewater treatment performances of algae based reactors. Bioresource Technology, 2016, 216, 1-11. | 4.8 | 21 |
| 30 | Core-shell ZVI@carbon composites reduce phosphate inhibition of ZVI dissolution and enhance methane production in an anaerobic sewage treatment. Water Research, 2021, 199, 117197. | 5.3 | 21 |
| 31 | Pathways regulating the enhanced nitrogen removal in a pyrite based vertical-flow constructed wetland. Bioresource Technology, 2021, 325, 124705. | 4.8 | 19 |
| 32 | Wastewater treatment potential of Moringa stenopetala over Moringa olifera as a natural coagulant, antimicrobial agent and heavy metal removals. Cogent Environmental Science, 2018, 4, 1433507. | 1.6 | 17 |
| 33 | Bioelectricity generation from air-cathode microbial fuel cell connected to constructed wetland. Water Science and Technology, 2018, 78, 1990-1996. | 1.2 | 17 |
| 34 | Effects of nZVI dosing on the improvement in the contaminant removal performance of constructed wetlands under the dye stress. Science of the Total Environment, 2020, 703, 134789. | 3.9 | 17 |
| 35 | Toxicological effects of different ionic liquids on growth, photosynthetic pigments, oxidative stress, and ultrastructure of Nostoc punctiforme and the combined toxicity with heavy metals. Chemosphere, 2022, 298, 134273. | 4.2 | 17 |
| 36 | Nitrate removal to its fate in wetland mesocosm filled with sponge iron: Impact of influent COD/N ratio. Frontiers of Environmental Science and Engineering, 2020, 14, 1. | 3.3 | 14 |

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|---|---|---|---|
| 37 | Toxic effect and bioaccumulation of selenium in green alga Chlorella pyrenoidosa. Journal of Applied Phycology, 2019, 31, 1733-1742. | 1.5 | 13 |
| 38 | Adsorption of Nitrate and Ammonium from Water Simultaneously Using Composite Adsorbents Constructed with Functionalized Biochar and Modified Zeolite. Water, Air, and Soil Pollution, 2021, 232, 1. | 1.1 | 12 |
| 39 | Removal performance and mechanism of phosphorus by different Fe-based layered double hydroxides. Environmental Science and Pollution Research, 2022, 29, 74591-74601. | 2.7 | 11 |
| 40 | Effects of iron and calcium carbonate on contaminant removal efficiencies and microbial communities in integrated wastewater treatment systems. Chemosphere, 2017, 189, 10-20. | 4.2 | 10 |
| 41 | Hydraulic performance evaluation of a quasi-two dimensional constructed wetland microcosm using tracer tests and Visual MODFLOW simulation. Journal of Contaminant Hydrology, 2019, 226, 103537. | 1.6 | 10 |
| 42 | Heavy Metals, Nitrogen, and Phosphorus in Sediments from the First Drinking Water Reservoir Supplied by Yangtze River in Shanghai, China: Spatial Distribution Characteristics and Pollution Risk Assessment. Water, Air, and Soil Pollution, 2020, 231, 1. | 1.1 | 10 |
| 43 | Influences of Iron Compounds on Microbial Diversity and Improvements in Organic C, N, and P Removal Performances in Constructed Wetlands. Microbial Ecology, 2019, 78, 792-803. | 1.4 | 9 |
| 44 | Impacts of Recent Climate Trends and Human Activity on the Land Cover Change of the Abbay River Basin in Ethiopia. Advances in Meteorology, 2019, 2019, 1-14. | 0.6 | 8 |
| 45 | Trickling filter in a biocathode microbial fuel cell for efficient wastewater treatment and energy production. Science China Technological Sciences, 2019, 62, 1703-1709. | 2.0 | 8 |
| 46 | Biochemical characterization of a novel azo reductase named BVU5 from the bacterial flora DDMZ1: application for decolorization of azo dyes. RSC Advances, 2022, 12, 1968-1981. | 1.7 | 8 |
| 47 | The toxicological mechanism of two typical imidazole ionic liquids in textile industry on Isatis tinctoria. Chemosphere, 2021, 275, 130042. | 4.2 | 5 |
| 48 | Physiological responses of Pichia stipitis to imidazolium chloride ionic liquids with different carbon chain length. Chemosphere, 2022, 286, 131578. | 4.2 | 4 |
| 49 | Performance and microbial protein expression during anaerobic treatment of alkali-decrement wastewater using a strengthened circulation anaerobic reactor. Bioresource Technology, 2019, 273, 40-48. | 4.8 | 3 |
| 50 | Micro-aeration with hollow fiber membrane enhanced the nitrogen removal in constructed wetlands. Environmental Science and Pollution Research, 2020, 27, 25877-25885. | 2.7 | 3 |
| 51 | Trends of Hydroclimate Variables in the Upper Huai River Basin: Implications of Managing Water Resource for Climate Change Mitigation. Advances in Meteorology, 2020, 2020, 1-16. | 0.6 | 3 |
| 52 | Preparation of modified Chinese medical stone and its performance on the removal of low-concentration ammonium from water. Research on Chemical Intermediates, 2020, 46, 2035-2054. | 1.3 | 3 |
| 53 | Seasonal and Spatial Distribution and Pollution Assessment of Nitrogen and Phosphorus in Sediments from One of the Worldâ€™s Largest Tidal Reservoirs. Water (Switzerland), 2021, 13, 395. | 1.2 | 3 |
| 54 | A Novel Constructed Wetland Combined with Microbial Desalination Cells and its Application. Microbial Ecology, 2021, , 1. | 1.4 | 3 |

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| 55 | Long-Term Exposure to Phenanthrene Induced Gene Expressions and Enzyme Activities of Cyprinus carpio below the Safe Concentration. International Journal of Environmental Research and Public Health, 2022, 19, 2129. | 1.2 | 3 |
| 56 | Removal of metals from water using a novel high-rate algal pond and submerged macrophyte pond treatment reactor. Water Science and Technology, 2019, 79, 1447-1457. | 1.2 | 2 |
| 57 | Efficient removal of 3,6-dichlorocarbazole with Fe0-activated peroxymonosulfate: performance, intermediates and mechanism. Environmental Technology (United Kingdom), 2021, , 1-14. | 1.2 | 0 |