

# Fen Wang

## List of Publications by Year in descending order

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23  
papers

451  
citations

687363

13  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

451  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Long-term effect of fulvic acid amendment on the anammox biofilm system at 15 °C: performance, microbial community and metagenomics analysis. <i>Bioresource Technology</i> , 2022, 344, 126234.  | 9.6 | 13        |
| 2  | A sulfur-limestone bioretention system for stormwater treatment: Nitrogen removal performance and microbial community. <i>Science of the Total Environment</i> , 2022, 827, 154301.   | 8.0 | 6         |
| 3  | N-acyl-L-homoserine lactones release and microbial community changes in response to operation temperature in an anammox biofilm reactor. <i>Chemosphere</i> , 2021, 262, 127602.  | 8.2 | 19        |
| 4  | One-stage partial nitrification and anammox process in a sequencing batch biofilm reactor: Start-up, nitrogen removal performance and bacterial community dynamics in response to temperature. <i>Science of the Total Environment</i> , 2021, 772, 145529. | 8.0 | 19        |
| 5  | Conventional bioretention column with Fe-hydrochar for stormwater treatment: Nitrogen removal, nitrogen behaviour and microbial community analysis. <i>Bioresource Technology</i> , 2021, 334, 125252.  | 9.6 | 25        |
| 6  | Woodchips bioretention column for stormwater treatment: Nitrogen removal performance, carbon source and microbial community analysis. <i>Chemosphere</i> , 2021, 285, 131519.   | 8.2 | 33        |
| 7  | Effect of exogenous N-acyl-homoserine lactones on the anammox process at 15 °C: Nitrogen removal performance, gene expression and metagenomics analysis. <i>Bioresource Technology</i> , 2021, 341, 125760.   | 9.6 | 27        |
| 8  | Insight into the influence of microbial aggregate types on nitrogen removal performance and microbial community in the anammox process - A review and meta-analysis. <i>Science of the Total Environment</i> , 2020, 714, 136571.                           | 8.0 | 28        |
| 9  | Response of nitrogen removal performance, functional genes abundances and N-acyl-homoserine lactones release to carminic acid of anammox biomass. <i>Bioresource Technology</i> , 2020, 299, 122567.  | 9.6 | 17        |
| 10 | Insight into the short-term effect of fulvic acid on nitrogen removal performance and N-acylated-L-homoserine lactones (AHLs) release in the anammox system. <i>Science of the Total Environment</i> , 2020, 704, 135285.                                   | 8.0 | 45        |
| 11 | Nitrogen removal and abundances of associated functional genes in rhizosphere and non-rhizosphere of a vertical flow constructed wetland in response to salinity. <i>Ecological Engineering</i> , 2020, 158, 106015.  | 3.6 | 5         |
| 12 | Microbial community shift and functional genes in response to nitrogen loading variations in an anammox biofilm reactor. <i>International Biodeterioration and Biodegradation</i> , 2020, 153, 105023.  | 3.9 | 16        |
| 13 | Evaluation of Ca(OH) <sub>2</sub> disintegration on high-solid sludge floc structures and subsequent anaerobic digestion. <i>Ecological Engineering</i> , 2020, 158, 106030.  | 3.6 | 8         |
| 14 | Adsorption of Nitrate onto ZnCl <sub>2</sub> -Modified Coconut Granular Activated Carbon: Kinetics, Characteristics, and Adsorption Dynamics. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-12.                                      | 1.8 | 15        |
| 15 | Effect of salinity on nitrogen and phosphorus removal pathways in a hydroponic micro-ecosystem planted with <i>Lythrum salicaria</i> L.. <i>Ecological Engineering</i> , 2017, 105, 205-210.  | 3.6 | 13        |
| 16 | Damage of EPS and cell structures and improvement of high-solid anaerobic digestion of sewage sludge by combined (Ca(OH) <sub>2</sub> + multiple-transducer ultrasonic) pretreatment. <i>RSC Advances</i> , 2017, 7, 22706-22714.                           | 3.6 | 23        |
| 17 | Brackish Eutrophic Water Treatment by <i>Iris pseudacorus</i> L.-Planted Microcosms: Physiological Responses of <i>Iris pseudacorus</i> L. to Salinity. <i>International Journal of Phytoremediation</i> , 2015, 17, 814-821.                               | 3.1 | 4         |
| 18 | A mechanistic approach and response surface optimization of the removal of oil and grease from restaurant wastewater by electrocoagulation and electroflotation. <i>Desalination and Water Treatment</i> , 2015, 55, 2044-2052.                             | 1.0 | 19        |

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|----|--|------|-----------|
| 19 | Effects of salinity on removal of nitrogen and phosphorus from eutrophic saline water in planted <i>Lythrum salicaria</i> L. microcosm systems. <i>Desalination and Water Treatment</i> , 2014, 52, 6655-6663.   | 1.0  | 10        |
| 20 | Achieving biodegradability enhancement and acute biotoxicity removal through the treatment of pharmaceutical wastewater using a combined internal electrolysis and ultrasonic irradiation technology. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 481-487. | 0.8  | 16        |
| 21 | Characteristics and Stability of Aerobic Granules Treating Domestic Sewage. , 2009, , .  |      | 1         |
| 22 | Low-temperature plasma induced grafting of 2-methacryloyloxyethyl phosphorylcholine onto poly(tetrafluoroethylene) films. <i>Transactions of Tianjin University</i> , 2009, 15, 355-359.   | 6.4  | 3         |
| 23 | Characteristics of aerobic granule and nitrogen and phosphorus removal in a SBR. <i>Journal of Hazardous Materials</i> , 2009, 164, 1223-1227.   | 12.4 | 85        |