# Shengnan Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8844516/publications.pdf

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| 21 | 719 | 758635 12 | 713013 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 22 | 22 | 22 | 1014 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Influence of pyrolysis temperature on production of digested sludge biochar and its application for ammonium removal from municipal wastewater. Journal of Cleaner Production, 2019, 209, 927-936. | 4.6 | 179 |
| 2 | Biochar-Facilitated Microbial Reduction of Hematite. Environmental Science & Technology, 2016, 50, 2389-2395. | 4.6 | 164 |
| 3 | Impact of hydraulic retention time on organic and nutrient removal in a membrane coupled sequencing batch reactor. Water Research, 2014, 55, 12-20. | 5.3 | 59 |
| 4 | Impact of zero valent iron on blackwater anaerobic digestion. Bioresource Technology, 2019, 285, 121351. | 4.8 | 49 |
| 5 | Enhancing blackwater methane production by enriching hydrogenotrophic methanogens through hydrogen supplementation. Bioresource Technology, 2019, 278, 481-485. | 4.8 | 42 |
| 6 | Fate and toxicity of melamine in activated sludge treatment systems after a long-term sludge adaptation. Water Research, 2013, 47, 2307-2314. | 5.3 | 37 |
| 7 | The role of magnetic MOFs nanoparticles in enhanced iron coagulation of aquatic dissolved organic matter. Chemosphere, 2020, 247, 125921. | 4.2 | 33 |
| 8 | Improving the energy efficiency of a pilot-scale UASB-digester for low temperature domestic wastewater treatment. Biochemical Engineering Journal, 2018, 135, 71-78. | 1.8 | 30 |
| 9 | Promoting waste activated sludge reduction by linear alkylbenzene sulfonates: Surfactant dose control extracellular polymeric substances solubilization and microbial community succession. Journal of Hazardous Materials, 2019, 374, 74-82. | 6.5 | 30 |
| 10 | Anammox reactor optimization for the treatment of ammonium rich digestate lagoon supernatant - Step feeding mitigates nitrite inhibition. International Biodeterioration and Biodegradation, 2019, 143, 104733. | 1.9 | 16 |
| 11 | Evaluation of Anaerobic/Anoxic/Oxic (A<sup>2</sup>/O) and Reverse A<sup>2</sup>/O Processes in Biological Nutrient Removal. Water Environment Research, 2014, 86, 2186-2193. | 1.3 | 14 |
| 12 | The importance of integrated fixed film activated sludge reactor and intermittent aeration in nitritation-anammox systems: Understanding reactor optimization for lagoon supernatant treatment. International Biodeterioration and Biodegradation, 2020, 149, 104938. | 1.9 | 13 |
| 13 | Emerging investigator series: dual role of organic matter in the anaerobic degradation of triclosan. Environmental Sciences: Processes and Impacts, 2017, 19, 499-506. | 1.7 | 8 |
| 14 | Long-term continuous partial nitritation-anammox reactor aeration optimization at different nitrogen loading rates for the treatment of ammonium rich digestate lagoon supernatant. Process Biochemistry, 2020, 99, 139-146. | 1.8 | 8 |
| 15 | Importance of controlling phosphate concentration in nitritationâ€“anammox reactor operation. Environmental Science: Water Research and Technology, 2019, 5, 1234-1243. | 1.2 | 7 |
| 16 | Kinetics of Nutrient Removal by Nano Zero-Valent Iron under Different Biochemical Environments. Water Environment Research, 2015, 87, 483-490. | 1.3 | 6 |
| 17 | Filamentous sludge bulking control by nano zero-valent iron in activated sludge treatment systems. Environmental Sciences: Processes and Impacts, 2014, 16, 2721-2728. | 1.7 | 5 |
| 18 | Effect of Flow Rate Increase on the Performance of a Pilot-Scale Biological Nutrient Removal Reactor. Journal of Environmental Engineering, ASCE, 2018, 144, 04018022. | 0.7 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Biodegradation and toxicity of melamine at high activated sludge concentrations in a membrane bioreactor. Water Science and Technology, 2018, 77, 979-987. | 1.2 | 5 |
| 20 | Improving nitrogen removal in an IFAS nitritationâ€“anammox reactor treating lagoon supernatant by manipulating biocarrier filling ratio and hydraulic retention time. Biochemical Engineering Journal, 2019, 152, 107365. | 1.8 | 5 |
| 21 | Cocoamidopropyl Betaine Dosage Dependence of Short-Time Aerobic Digestion for Waste-Activated Sludge Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 877-884. | 3.2 | 4 |