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Microbial selection on enhanced biological phosphorus removal systems fed exclusively with glucose

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**World Journal of Microbiology and Biotechnology,
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#	Paper	IF	Citations
18	Impacts of multiwalled carbon nanotubes on nutrient removal from wastewater and bacterial community structure in activated sludge. <i>PLoS ONE</i> , 2014 , 9, e107345	3.7	40
17	€andidatus Competibacterelineage genomes retrieved from metagenomes reveal functional metabolic diversity. <i>ISME Journal</i> , 2014 , 8, 613-624	11.9	112
16	Characterization of microbial community and antibiotic resistance genes in activated sludge under tetracycline and sulfamethoxazole selection pressure. <i>Science of the Total Environment</i> , 2016 , 571, 479-86	10.2	91
15	Effects of DO levels on surface force, cell membrane properties and microbial community dynamics of activated sludge. <i>Bioresource Technology</i> , 2016 , 214, 645-652	11	24
14	Effects of different ratios of glucose to acetate on phosphorus removal and microbial community of enhanced biological phosphorus removal (EBPR) system. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 4494-4505	5.1	12
13	Cell membrane characteristics and microbial population distribution of MBBR and IFAS with different dissolved oxygen concentration. <i>Bioresource Technology</i> , 2018 , 265, 17-24	11	6
12	Characterizing the water quality and microbial communities in different zones of a recirculating aquaculture system using biofloc biofilters. <i>Aquaculture</i> , 2020 , 529, 735624	4.4	5
11	Performance of a recirculating aquaculture system using biofloc biofilters with convertible water-treatment efficiencies. <i>Science of the Total Environment</i> , 2021 , 754, 141918	10.2	8
10	Performances of simultaneous enhanced removal of nitrogen and phosphorus via biological aerated filter with biochar as fillers under low dissolved oxygen for digested swine wastewater treatment. <i>Bioprocess and Biosystems Engineering</i> , 2021 , 44, 1741-1753	3.7	2
9	Pathways regulating the enhanced nitrogen removal in a pyrite based vertical-flow constructed wetland. <i>Bioresource Technology</i> , 2021 , 325, 124705	11	5
8	Excessive extracellular polymeric substances induced by organic shocks accelerate electron transfer of oxygen reducing biocathode. <i>Science of the Total Environment</i> , 2021 , 774, 145767	10.2	2
7	Classroom microbiome, functional pathways and sick-building syndrome (SBS) in urban and rural schools - Potential roles of indoor microbial amino acids and vitamin metabolites. <i>Science of the Total Environment</i> , 2021 , 795, 148879	10.2	1
6	Novel strategy for membrane biofouling control in MBR with nano-MnO modified PVDF membrane by in-situ ozonation. <i>Science of the Total Environment</i> , 2021 , 808, 151996	10.2	1
5	Investigating the conversion from nitrifying to denitrifying water-treatment efficiencies of the biofloc biofilter in a recirculating aquaculture system. <i>Aquaculture</i> , 2022 , 550, 737817	4.4	2
4	Transformation trend of nitrogen and phosphorus in the sediment of the sewage pipeline and their distribution along the pipeline. 2023 , 857, 159413		0
3	Glycerol conversion by aerobic granular sludge. 2022 , 227, 119340		0
2	Putative metabolism of Ca. Accumulibacter via the utilization of glucose. 2023 , 229, 119446		0

- 1 Comparison of nitrogen removal performance and mechanism from low-polluted wastewater by constructed wetlands with two oxygen supply strategies: Tidal flow and intermittent aeration. **2023**, 313, 137364

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