Wiboonluk Pungrasmi

List of Publications by Year
in descending order

21	538	687363 13	794594 19
papers	citations	h-index	g-index

21	21	21	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of the crack healing performance in mortar using microbially induced calcium carbonate precipitation (MICP) method. Construction and Building Materials, 2019, 212, 737-744.	7.2	112
2	Evaluation of Microencapsulation Techniques for MICP Bacterial Spores Applied in Self-Healing Concrete. Scientific Reports, 2019, 9, 12484.	3.3	85
3	Efficiency of microbially-induced calcite precipitation in natural clays for ground improvement. Construction and Building Materials, 2021, 282, 122722.	7.2	57
4	Effects of microplastic accumulation on floc characteristics and fouling behavior in a membrane bioreactor. Journal of Hazardous Materials, 2021, 411, 124991.	12.4	52
5	Comparing performances of MICP bacterial vegetative cell and microencapsulated bacterial spore methods on concrete crack healing. Construction and Building Materials, 2021, 302, 124227.	7.2	50
6	Use of an internal fibrous biofilter for intermittent nitrification and denitrification treatments in a zero-discharge shrimp culture tank. Aquacultural Engineering, 2020, 88, 102041.	3.1	30
7	Pseudomonas japonica sp. nov., a novel species that assimilates straight chain alkylphenols. Journal of General and Applied Microbiology, 2008, 54, 61-69.	0.7	22
8	Optimization and evaluation of a bottom substrate denitrification tank for nitrate removal from a recirculating aquaculture system. Journal of Environmental Sciences, 2013, 25, 1557-1564.	6.1	22
9	Nitrogen removal from a recirculating aquaculture system using a pumice bottom substrate nitrification-denitrification tank. Ecological Engineering, 2016, 95, 357-363.	3.6	16
10	Distinct Microbial Community Performing Dissimilatory Nitrate Reduction to Ammonium (DNRA) in a High C/NO₃^{â^'} Reactor. Microbes and Environments, 2018, 33, 264-271.	1.6	16
11	Use of Microbially Induced Calcite Precipitation for Soil Improvement in Compacted Clays. International Journal of Geosynthetics and Ground Engineering, 2021, 7, 1.	2.0	15
12	Microbial community analysis using MiSeq sequencing in a novel configuration fluidized bed reactor for effective denitrification. Bioresource Technology, 2016, 221, 677-681.	9.6	14
13	Application of down-flow hanging sponge â€“ Upflow sludge blanket system for nitrogen removal in Epinephelus bruneus closed recirculating aquaculture system. Aquaculture, 2021, 532, 735997.	3.5	13
14	Denitrification and Dissimilatory Nitrate Reduction to Ammonium (DNRA) Activities in Freshwater Sludge and Biofloc from Nile Tilapia Aquaculture Systems. Journal of Water and Environment Technology, 2014, 12, 347-356.	0.7	12
15	Different Approaches for the Separation of Suspended Solids in Aquaculture System. Journal of Water and Environment Technology, 2013, 11, 59-70.	0.7	7
16	Use of ozone for Vibrio parahaemolyticus inactivation alongside nitrification biofilter treatment in shrimp-rearing recirculating aquaculture system. Journal of Water Process Engineering, 2021, 44, 102396.	5.6	5
17	Design and function of a nitrogen and sediment removal system in a recirculating aquaculture system optimized for aquaponics. Environmental Engineering Research, 2021, 26, 190494-0.	2.5	4
18	Effects of Salinity and Immobilization Period on the Nitrification and Denitrification Co-processes during Biofilter Acclimation in a Marine Recirculating Aquaculture System. Journal of Water and Environment Technology, 2019, 17, 89-99.	0.7	3

#	Article	IF	Citations
19	Efficiency of a hybrid solid digestion-denitrification column in suspended solid and nitrate removal from recirculating aquaculture system. Environmental Engineering Research, 2015, 20, 175-180.	2.5	2
20	Sulfate supplements enhance the decolorization of an azo dye acid red 18 in anaerobic baffled reactors. Environmental Progress and Sustainable Energy, 2013, 32, 1045-1054.	2.3	1
21	Evaluation of Modified Biofloc System with Filtration Unit in Controlling Suspended Solids and Inorganic Nitrogen Concentrations in a Recirculating Aquaculture System. Journal of Chemical Technology and Biotechnology, 0, , .	3.2	0