

# Wiboonluk Pungrasmi

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

538  
citations

687363

13  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of down-flow hanging sponge “ Upflow sludge blanket system for nitrogen removal in Epinephelus bruneus closed recirculating aquaculture system. <i>Aquaculture</i> , 2021, 532, 735997.	3.5	13
2	Efficiency of microbially-induced calcite precipitation in natural clays for ground improvement. <i>Construction and Building Materials</i> , 2021, 282, 122722.	7.2	57
3	Effects of microplastic accumulation on floc characteristics and fouling behavior in a membrane bioreactor. <i>Journal of Hazardous Materials</i> , 2021, 411, 124991.	12.4	52
4	Comparing performances of MICP bacterial vegetative cell and microencapsulated bacterial spore methods on concrete crack healing. <i>Construction and Building Materials</i> , 2021, 302, 124227.	7.2	50
5	Design and function of a nitrogen and sediment removal system in a recirculating aquaculture system optimized for aquaponics. <i>Environmental Engineering Research</i> , 2021, 26, 190494-0.	2.5	4
6	Use of Microbially Induced Calcite Precipitation for Soil Improvement in Compacted Clays. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2021, 7, 1.	2.0	15
7	Use of ozone for <i>Vibrio parahaemolyticus</i> inactivation alongside nitrification biofilter treatment in shrimp-rearing recirculating aquaculture system. <i>Journal of Water Process Engineering</i> , 2021, 44, 102396.	5.6	5
8	Use of an internal fibrous biofilter for intermittent nitrification and denitrification treatments in a zero-discharge shrimp culture tank. <i>Aquacultural Engineering</i> , 2020, 88, 102041.	3.1	30
9	Evaluation of Microencapsulation Techniques for MICP Bacterial Spores Applied in Self-Healing Concrete. <i>Scientific Reports</i> , 2019, 9, 12484.	3.3	85
10	Effects of Salinity and Immobilization Period on the Nitrification and Denitrification Co-processes during Biofilter Acclimation in a Marine Recirculating Aquaculture System. <i>Journal of Water and Environment Technology</i> , 2019, 17, 89-99.	0.7	3
11	Investigation of the crack healing performance in mortar using microbially induced calcium carbonate precipitation (MICP) method. <i>Construction and Building Materials</i> , 2019, 212, 737-744.	7.2	112
12	Distinct Microbial Community Performing Dissimilatory Nitrate Reduction to Ammonium (DNRA) in a High C/NO <sub>3</sub> <sup>-</sup> Reactor. <i>Microbes and Environments</i> , 2018, 33, 264-271.	1.6	16
13	Microbial community analysis using MiSeq sequencing in a novel configuration fluidized bed reactor for effective denitrification. <i>Bioresource Technology</i> , 2016, 221, 677-681.	9.6	14
14	Nitrogen removal from a recirculating aquaculture system using a pumice bottom substrate nitrification-denitrification tank. <i>Ecological Engineering</i> , 2016, 95, 357-363.	3.6	16
15	Efficiency of a hybrid solid digestion-denitrification column in suspended solid and nitrate removal from recirculating aquaculture system. <i>Environmental Engineering Research</i> , 2015, 20, 175-180.	2.5	2
16	Denitrification and Dissimilatory Nitrate Reduction to Ammonium (DNRA) Activities in Freshwater Sludge and Biofloc from Nile Tilapia Aquaculture Systems. <i>Journal of Water and Environment Technology</i> , 2014, 12, 347-356.	0.7	12
17	Optimization and evaluation of a bottom substrate denitrification tank for nitrate removal from a recirculating aquaculture system. <i>Journal of Environmental Sciences</i> , 2013, 25, 1557-1564.	6.1	22
18	Sulfate supplements enhance the decolorization of an azo dye acid red 18 in anaerobic baffled reactors. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 1045-1054.	2.3	1

#	ARTICLE	IF	CITATIONS
19	Different Approaches for the Separation of Suspended Solids in Aquaculture System. Journal of Water and Environment Technology, 2013, 11, 59-70.	0.7	7
20	<i>Pseudomonas japonica</i> sp. nov., a novel species that assimilates straight chain alkylphenols. Journal of General and Applied Microbiology, 2008, 54, 61-69.	0.7	22
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