

Vel Murugan Vadivelu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

838
citations

687220

13
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

970
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of nitrite and free nitrous acid (FNA) in wastewater treatment plants. <i>Water Research</i> , 2011, 45, 4672-4682.	5.3	352
2	Free ammonia and free nitrous acid inhibition on the anabolic and catabolic processes of <i>Nitrosomonas</i> and <i>Nitrobacter</i> . <i>Water Science and Technology</i> , 2007, 56, 89-97.	1.2	141
3	The effect of organic loading rates and nitrogenous compounds on the aerobic granules developed using low strength wastewater. <i>Biochemical Engineering Journal</i> , 2012, 67, 52-59.	1.8	61
4	Stoichiometric and kinetic characterisation of <i>Nitrosomonas</i> sp. in mixed culture by decoupling the growth and energy generation processes. <i>Journal of Biotechnology</i> , 2006, 126, 342-356.	1.9	35
5	Aerobic dynamic feeding as a strategy for in situ accumulation of polyhydroxyalkanoate in aerobic granules. <i>Bioresource Technology</i> , 2014, 161, 441-445.	4.8	34
6	Polyhydroxyalkanoate recovery and effect of in situ extracellular polymeric substances removal from aerobic granules. <i>Bioresource Technology</i> , 2015, 189, 169-176.	4.8	30
7	Effect of external hydrazine addition on anammox reactor start-up time. <i>Chemosphere</i> , 2019, 223, 668-674.	4.2	29
8	Recovery of energy and simultaneous treatment of dewatered sludge using membrane-less microbial fuel cell. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 208-219.	1.3	28
9	Effect of storage conditions on maintaining anammox cell viability during starvation and recovery. <i>Bioresource Technology</i> , 2020, 296, 122341.	4.8	26
10	Effect of famine-phase reduced aeration on polyhydroxyalkanoate accumulation in aerobic granules. <i>Bioresource Technology</i> , 2017, 245, 970-976.	4.8	19
11	Treatment of agro based industrial wastewater in sequencing batch reactor: Performance evaluation and growth kinetics of aerobic biomass. <i>Journal of Environmental Management</i> , 2014, 146, 217-225.	3.8	15
12	In-situ alkaline enhanced two-stage anaerobic digestion system for waste cooking oil and sewage sludge co-digestion. <i>Waste Management</i> , 2021, 120, 221-229.	3.7	15
13	Dynamics of polyhydroxyalkanoate accumulation in aerobic granules during the growth-disintegration cycle. <i>Bioresource Technology</i> , 2015, 196, 731-735.	4.8	14
14	Nitrite pre-treatment of dewatered sludge for microbial fuel cell application. <i>Journal of Environmental Sciences</i> , 2019, 77, 148-155.	3.2	11
15	Enhanced volatile fatty acid production in sequencing batch reactor: Microbial population and growth kinetics evaluation. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	7
16	Membraneless Microbial Fuel Cell: Characterization of Electrogenic Bacteria and Kinetic Growth Model. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	0.7	5
17	Membrane-less microbial fuel cell: Monte Carlo simulation and sensitivity analysis for COD removal in dewatered sludge. <i>AIP Advances</i> , 2021, 11, .	0.6	5
18	Study on the effect of external hydrazine addition on Anammox bacteria during the starvation period. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4

#	ARTICLE	IF	CITATIONS
19	Self-flocculation of enriched mixed microalgae culture in a sequencing batch reactor. Environmental Science and Pollution Research, 2021, 28, 26595-26605.	2.7	3
20	Effect of Triglyceride Addition on Oxygen Uptake, Carbon Metabolism, and Polyhydroxyalkanoate Accumulation in Aerobic Granules. Clean - Soil, Air, Water, 2017, 45, 1600314.	0.7	0