

# Vel Murugan Vadivelu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9044879/publications.pdf>

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	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
2	Self-flocculation of enriched mixed microalgae culture in a sequencing batch reactor. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26595-26605.	2.7	3
3	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
4	Effect of storage conditions on maintaining anammox cell viability during starvation and recovery. <i>Bioresource Technology</i> , 2020, 296, 122341.	4.8	26
5	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
6	Nitrite pre-treatment of dewatered sludge for microbial fuel cell application. <i>Journal of Environmental Sciences</i> , 2019, 77, 148-155.	3.2	11
7	Study on the effect of external hydrazine addition on Anammox bacteria during the starvation period. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4
8	Enhanced volatile fatty acid production in sequencing batch reactor: Microbial population and growth kinetics evaluation. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	7
9	Membraneless Microbial Fuel Cell: Characterization of Electrogenic Bacteria and Kinetic Growth Model. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	0.7	5
10	Effect of external hydrazine addition on anammox reactor start-up time. <i>Chemosphere</i> , 2019, 223, 668-674.	4.2	29
11	Effect of Triglyceride Addition on Oxygen Uptake, Carbon Metabolism, and Polyhydroxyalkanoate Accumulation in Aerobic Granules. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600314.	0.7	0
12	Effect of famine-phase reduced aeration on polyhydroxyalkanoate accumulation in aerobic granules. <i>Bioresource Technology</i> , 2017, 245, 970-976.	4.8	19
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	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
15	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
16	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
17	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
18	The role of nitrite and free nitrous acid (FNA) in wastewater treatment plants. <i>Water Research</i> , 2011, 45, 4672-4682.	5.3	352

#	ARTICLE	IF	CITATIONS
19	Free ammonia and free nitrous acid inhibition on the anabolic and catabolic processes of Nitrosomonas and Nitrobacter. <i>Water Science and Technology</i> , 2007, 56, 89-97.	1.2	141
20	Stoichiometric and kinetic characterisation of Nitrosomonas sp. in mixed culture by decoupling the growth and energy generation processes. <i>Journal of Biotechnology</i> , 2006, 126, 342-356.	1.9	35