

Dyllon Garth Randall

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

956
citations

516561

16
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

885
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and operation of plant microbial fuel cells using municipal sludge. <i>Journal of Water Process Engineering</i> , 2020, 38, 101653.	2.6	18
2	Development of an integrated wetland microbial fuel cell and sand filtration system for greywater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103249.	3.3	28
3	Investigating the performance of constructed wetland microbial fuel cells using three indigenous South African wetland plants. <i>Journal of Water Process Engineering</i> , 2019, 32, 100930.	2.6	55
4	Manufacturing bio-bricks using microbial induced calcium carbonate precipitation and human urine. <i>Water Research</i> , 2019, 160, 158-166.	5.3	72
5	Implications of different toilet flushing solutions on the precipitation potential of urine. <i>Journal of Water Process Engineering</i> , 2019, 31, 100847.	2.6	1
6	Urine: The liquid gold of wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2627-2635.	3.3	112
7	Water soluble phosphate fertilizers for crops grown in calcareous soils – an outdated paradigm for recycled phosphorus fertilizers?. <i>Plant and Soil</i> , 2018, 424, 367-388.	1.8	50
8	Resource recovery by freezing: A thermodynamic comparison between a reverse osmosis brine, seawater and stored urine. <i>Journal of Water Process Engineering</i> , 2018, 26, 242-249.	2.6	20
9	Development of a novel nutrient recovery urinal for on-site fertilizer production. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6344-6350.	3.3	45
10	Microbial induced calcium carbonate precipitation at elevated pH values (>11) using <i>Sporosarcina pasteurii</i> . <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5008-5013.	3.3	50
11	A technological and economic exploration of phosphate recovery from centralised sewage treatment in a transitioning economy context. <i>Water S A</i> , 2017, 43, 343.	0.2	15
12	A novel approach for stabilizing fresh urine by calcium hydroxide addition. <i>Water Research</i> , 2016, 95, 361-369.	5.3	137
13	Thermodynamic modelling of a membrane distillation crystallisation process for the treatment of mining wastewater. <i>Water Science and Technology</i> , 2016, 73, 557-563.	1.2	7
14	A succinct review of the treatment of Reverse Osmosis brines using Freeze Crystallization. <i>Journal of Water Process Engineering</i> , 2015, 8, 186-194.	2.6	83
15	Treatment of textile wastewaters using Eutectic Freeze Crystallization. <i>Water Science and Technology</i> , 2014, 70, 736-741.	1.2	19
16	Improved calcium sulfate recovery from a reverse osmosis retentate using eutectic freeze crystallization. <i>Water Science and Technology</i> , 2013, 67, 139-146.	1.2	9
17	Determination of the metastable ice zone for a sodium sulphate system. <i>Chemical Engineering Science</i> , 2012, 77, 184-188.	1.9	16
18	A comparative life cycle assessment of eutectic freeze crystallisation and evaporative crystallisation for the treatment of saline wastewater. <i>Desalination</i> , 2012, 306, 17-23.	4.0	47

#	ARTICLE	IF	CITATIONS
19	A case study for treating a reverse osmosis brine using Eutectic Freeze Crystallization“Approaching a zero waste process. Desalination, 2011, 266, 256-262.	4.0	109
20	Design of a Eutectic Freeze Crystallization process for multicomponent waste water stream. Chemical Engineering Research and Design, 2010, 88, 1290-1296.	2.7	63