

Jan Dries

List of Publications by Year in descending order

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36
papers

761
citations

567144

15
h-index

526166

27
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all docs

36
docs citations

36
times ranked

914
citing authors

#	ARTICLE	IF	CITATIONS
1	Chocolate industry side streams as a valuable feedstock for microbial long-chain dicarboxylic acid production. <i>Biochemical Engineering Journal</i> , 2021, 167, 107888.	1.8	5
2	Pilot-scale evaluation of ozone as a polishing step for the removal of nonylphenol from tank truck cleaning wastewater. <i>Journal of Environmental Management</i> , 2021, 288, 112396.	3.8	3
3	Cultivation of aerobic granular sludge for the treatment of food-processing wastewater and the impact on membrane filtration properties. <i>Water Science and Technology</i> , 2021, 83, 39-51.	1.2	7
4	Biological nutrient removal from slaughterhouse wastewater via nitritation/denitritation using granular sludge: an onsite pilot demonstration. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 111-122.	1.6	14
5	A dynamic control system for aerobic granular sludge reactors treating high COD/P wastewater, using pH and DO sensors. <i>Journal of Water Process Engineering</i> , 2020, 33, 101065.	2.6	4
6	Effect of ozonation as pre-treatment and polishing step on removal of ecotoxicity and alkylphenol ethoxylates from tank truck cleaning wastewater. <i>Journal of Water Process Engineering</i> , 2020, 37, 101441.	2.6	6
7	Mannosylerythritol Lipid Production from Oleaginous Yeast Cell Lysate by <i>Moesziomyces aphidis</i> . <i>Industrial Biotechnology</i> , 2020, 16, 222-232.	0.5	3
8	Influence of mixed feeding rate in a conventional SBR on biological P-removal and granule stability while treating different industrial effluents. <i>Water Science and Technology</i> , 2019, 79, 645-655.	1.2	5
9	Fast liquid chromatography-tandem mass spectrometry methodology for the analysis of alkylphenols and their ethoxylates in wastewater samples from the tank truck cleaning industry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1611-1621.	1.9	8
10	Performance and stability of a dynamically controlled EBPR anaerobic/aerobic granular sludge reactor. <i>Bioresource Technology</i> , 2019, 280, 151-157.	4.8	11
11	Opinion paper about organic trace pollutants in wastewater: Toxicity assessment in a European perspective. <i>Science of the Total Environment</i> , 2019, 651, 3202-3221.	3.9	57
12	Formation of aerobic granular sludge and the influence of the pH on sludge characteristics in a SBR fed with brewery/bottling plant wastewater. <i>Water Science and Technology</i> , 2018, 77, 2253-2264.	1.2	18
13	Evaluation of two start-up strategies to obtain nitrogen removal via nitrite and examination of the nitrous oxide emissions for different nitritation levels during the treatment of slaughterhouse wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 569-576.	1.6	11
14	Application of online instrumentation in industrial wastewater treatment plants – a survey in Flanders, Belgium. <i>Water Science and Technology</i> , 2018, 78, 957-967.	1.2	17
15	SBR treatment of tank truck cleaning wastewater: sludge characteristics, chemical and ecotoxicological effluent quality. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2524-2533.	1.2	6
16	Enhanced treatment of secondary municipal wastewater effluent: comparing (biological) filtration and ozonation in view of micropollutant removal, unselective effluent toxicity, and the potential for real-time control. <i>Water Science and Technology</i> , 2017, 76, 236-246.	1.2	18
17	Formation of aerobic granular sludge during the treatment of petrochemical wastewater. <i>Bioresource Technology</i> , 2017, 238, 559-567.	4.8	52
18	The effect of the feeding pattern of complex industrial wastewater on activated sludge characteristics and the chemical and ecotoxicological effluent quality. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10796-10807.	2.7	8

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19	The sequencing batch reactor as an excellent configuration to treat wastewater from the petrochemical industry. <i>Water Science and Technology</i> , 2017, 75, 793-801.	1.2	6
20	Performance of aerobic nitrite granules treating an anaerobic pre-treated wastewater originating from the potato industry. <i>Bioresource Technology</i> , 2017, 226, 211-219.	4.8	26
21	Aeration control strategies to stimulate simultaneous nitrification-denitrification via nitrite during the formation of aerobic granular sludge. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6829-6839.	1.7	17
22	Dynamic control of nutrient-removal from industrial wastewater in a sequencing batch reactor, using common and low-cost online sensors. <i>Water Science and Technology</i> , 2016, 73, 740-745.	1.2	13
23	Evaluation of acute ecotoxicity removal from industrial wastewater using a battery of rapid bioassays. <i>Water Science and Technology</i> , 2014, 70, 2056-2061.	1.2	8
24	Removal of ecotoxicity and COD from tank truck cleaning wastewater. <i>Water Science and Technology</i> , 2013, 68, 2202-2207.	1.2	9
25	Evaluation of the Partial Ozonation and Partial Hydrogen Peroxide Oxidation Process for the Removal of COD and Estrogenic Activity from a Tank Truck Cleaning Generated Concentrate. <i>Ozone: Science and Engineering</i> , 2012, 34, 32-41.	1.4	0
26	Sequential Partial Ozonation for the Treatment of Wastewater Concentrate: Practical Implications From a Conventional and (Eco) Toxicological Perspective. <i>Ozone: Science and Engineering</i> , 2012, 34, 163-173.	1.4	2
27	Wastewater treatment plant modeling supported toxicity identification and evaluation of a tank truck cleaning effluent. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 702-709.	2.9	17
28	A kinetic model for multicomponent wastewater substrate removal by partial ozonation and subsequent biodegradation. <i>Water Research</i> , 2010, 44, 5488-5498.	5.3	1
29	Conventional and (eco) toxicological assessment of batch partial ozone oxidation and subsequent biological treatment of a tank truck cleaning generated concentrate. <i>Water Research</i> , 2009, 43, 4037-4049.	5.3	20
30	Impact of Microbial Activities on the Mineralogy and Performance of Column-Scale Permeable Reactive Iron Barriers Operated under Two Different Redox Conditions. <i>Environmental Science & Technology</i> , 2007, 41, 5724-5730.	4.6	35
31	Combined Removal of Chlorinated Ethenes and Heavy Metals by Zerovalent Iron in Batch and Continuous Flow Column Systems. <i>Environmental Science & Technology</i> , 2005, 39, 8460-8465.	4.6	66
32	Effect of humic acids on heavy metal removal by zero-valent iron in batch and continuous flow column systems. <i>Water Research</i> , 2005, 39, 3531-3540.	5.3	109
33	Competition for Sorption and Degradation of Chlorinated Ethenes in Batch Zero-Valent Iron Systems. <i>Environmental Science & Technology</i> , 2004, 38, 2879-2884.	4.6	85
34	Transformation and mineralization of benzo[a]pyrene by microbial cultures enriched on mixtures of three- and four-ring polycyclic aromatic hydrocarbons. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2002, 28, 70-73.	1.4	7
35	High rate biological treatment of sulfate-rich wastewater in an acetate-fed EGSB reactor. <i>Biodegradation</i> , 1998, 9, 103-111.	1.5	54
36	High rates of microbial sulphate reduction in a mesophilic ethanol-fed expanded-granular-sludge-blanket reactor. <i>Applied Microbiology and Biotechnology</i> , 1997, 48, 297-303.	1.7	33