

Jan Dries

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

761
citations

567144

15
h-index

526166

27
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36
all docs

36
docs citations

36
times ranked

914
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | High rate biological treatment of sulfate-rich wastewater in an acetate-fed EGSB reactor. <i>Biodegradation</i> , 1998, 9, 103-111. | 1.5 | 54 |
| 6 | Formation of aerobic granular sludge during the treatment of petrochemical wastewater. <i>Bioresource Technology</i> , 2017, 238, 559-567. | 4.8 | 52 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 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 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Performance and stability of a dynamically controlled EBPR anaerobic/aerobic granular sludge reactor. <i>Bioresource Technology</i> , 2019, 280, 151-157. | 4.8 | 11 |
| 20 | Removal of ecotoxicity and COD from tank truck cleaning wastewater. <i>Water Science and Technology</i> , 2013, 68, 2202-2207. | 1.2 | 9 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Mannosylerythritol Lipid Production from Oleaginous Yeast Cell Lysate by <i>Moesziomyces aphidis</i> . <i>Industrial Biotechnology</i> , 2020, 16, 222-232. | 0.5 | 3 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |