

Irene Jubany

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

825
citations

623734

14
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1036
citing authors

#	ARTICLE	IF	CITATIONS
1	Respirometric estimation of the oxygen affinity constants for biological ammonium and nitrite oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 388-396.	3.2	132
2	Kinetic models for nitrification inhibition by ammonium and nitrite in a suspended and an immobilised biomass systems. <i>Process Biochemistry</i> , 2004, 39, 1159-1165.	3.7	115
3	Total and stable washout of nitrite oxidizing bacteria from a nitrifying continuous activated sludge system using automatic control based on Oxygen Uptake Rate measurements. <i>Water Research</i> , 2009, 43, 2761-2772.	11.3	113
4	Start-up of a nitrification system with automatic control to treat highly concentrated ammonium wastewater: Experimental results and modeling. <i>Chemical Engineering Journal</i> , 2008, 144, 407-419.	12.7	78
5	Respirometric calibration and validation of a biological nitrite oxidation model including biomass growth and substrate inhibition. <i>Water Research</i> , 2005, 39, 4574-4584.	11.3	48
6	Human Health Risk Assessment of a landfill based on volatile organic compounds emission, immission and soil gas concentration measurements. <i>Applied Geochemistry</i> , 2014, 49, 218-224.	3.0	41
7	Automated thresholding method (ATM) for biomass fraction determination using FISH and confocal microscopy. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1140-1145.	3.2	39
8	Life cycle and human health risk assessments as tools for decision making in the design and implementation of nanofiltration in drinking water treatment plants. <i>Science of the Total Environment</i> , 2014, 466-467, 377-386.	8.0	35
9	Atmospheric dust characterisation in the mining district of Cartagena-La Unión, Spain: Air quality and health risks assessment. <i>Science of the Total Environment</i> , 2019, 693, 133496.	8.0	30
10	Coagulation-flocculation and moving bed biofilm reactor as pre-treatment for water recycling in the petrochemical industry. <i>Science of the Total Environment</i> , 2020, 715, 136800.	8.0	29
11	Use of nitrogen and oxygen isotopes of dissolved nitrate to trace field-scale induced denitrification efficiency throughout an in-situ groundwater remediation strategy. <i>Science of the Total Environment</i> , 2019, 686, 709-718.	8.0	24
12	Modelling enhanced groundwater denitrification in batch microcosm tests. <i>Chemical Engineering Journal</i> , 2010, 165, 2-9.	12.7	18
13	Decreasing environmental impact of landfill leachate treatment by MBR, RO and EDR hybrid treatment. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3508-3522.	2.2	18
14	Hydrolysis and Methanogenesis in UASB-AnMBR Treating Municipal Wastewater Under Psychrophilic Conditions: Importance of Reactor Configuration and Inoculum. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 567695.	4.1	17
15	Investigating the relationship between speciation and oral/lung bioaccessibility of a highly contaminated tailing: contribution in health risk assessment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 40732-40748.	5.3	17
16	Anaerobic Membrane Bioreactor (AnMBR) for the Treatment of Cheese Whey for the Potential Recovery of Water and Energy. <i>Waste and Biomass Valorization</i> , 2020, 11, 1821-1835.	3.4	16
17	Ecological screening indicators of stress and risk for the Llobregat river water. <i>Journal of Hazardous Materials</i> , 2013, 263, 239-247.	12.4	13
18	Expert control for a stable operation of a partial nitrification system to treat highly concentrated ammonium wastewater. <i>Water Science and Technology</i> , 2009, 60, 1191-1199.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Water-Air Volatilization Factors to Determine Volatile Organic Compound (VOC) Reference Levels in Water. <i>Toxics</i> , 2014, 2, 276-290.	3.7	7
20	Exploring the use of tertiary reclaimed water in dairy cattle production. <i>Journal of Cleaner Production</i> , 2019, 229, 964-973.	9.3	7
21	Synthesis and synthetic mechanism of Polylactic acid. <i>Physical Sciences Reviews</i> , 2020, .	0.8	7
22	Improvement of Phosphate Adsorption Kinetics onto Ferric Hydroxide by Size Reduction. <i>Water (Switzerland)</i> , 2021, 13, 1558.	2.7	6
23	Improvement of As(V) Adsorption by Reduction of Granular to Micro-Sized Ferric Hydroxide. <i>Processes</i> , 2022, 10, 1029.	2.8	3
24	Model-based Design of a Control Strategy for Optimal Start-up of a High-Strength Nitrification System. <i>Environmental Technology (United Kingdom)</i> , 2007, 28, 185-194.	2.2	2
25	Model-based study of nitrite accumulation with OUR control in two continuous nitrifying activated sludge configurations. <i>Water Science and Technology</i> , 2009, 60, 2685-2693.	2.5	2