

Catarina L Amorim

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

987
citations

516561

16
h-index

454834

30
g-index

32
all docs

32
docs citations

32
times ranked

1170
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of aerobic granular sludge in a sequencing batch bioreactor exposed to ofloxacin, norfloxacin and ciprofloxacin. <i>Water Research</i> , 2014, 50, 101-113.	5.3	197
2	Biodegradation of ofloxacin, norfloxacin, and ciprofloxacin as single and mixed substrates by <i>Labrys portucalensis</i> F11. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3181-3190.	1.7	149
3	Degradation of fluoroquinolone antibiotics and identification of metabolites/transformation products by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1333, 87-98.	1.8	96
4	Treatment of a simulated wastewater amended with a chiral pharmaceuticals mixture by an aerobic granular sludge sequencing batch reactor. <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 277-285.	1.9	57
5	Fluoroquinolones biosorption onto microbial biomass: activated sludge and aerobic granular sludge. <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 53-60.	1.9	54
6	Removal of fluoxetine and its effects in the performance of an aerobic granular sludge sequential batch reactor. <i>Journal of Hazardous Materials</i> , 2015, 287, 93-101.	6.5	49
7	Bacterial community dynamics within an aerobic granular sludge reactor treating wastewater loaded with pharmaceuticals. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 905-912.	2.9	49
8	Long-term stability of a non-adapted aerobic granular sludge process treating fish canning wastewater associated to EPS producers in the core microbiome. <i>Science of the Total Environment</i> , 2021, 756, 144007.	3.9	33
9	Degradation of difluorobenzenes by the wild strain <i>Labrys portucalensis</i> . <i>Biodegradation</i> , 2012, 23, 653-662.	1.5	29
10	Biodegradation of fluoroanilines by the wild strain <i>Labrys portucalensis</i> . <i>International Biodeterioration and Biodegradation</i> , 2013, 80, 10-15.	1.9	29
11	Variability in the composition of extracellular polymeric substances from a full-scale aerobic granular sludge reactor treating urban wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104156.	3.3	29
12	Effect of the metals iron, copper and silver on fluorobenzene biodegradation by <i>Labrys portucalensis</i> . <i>Biodegradation</i> , 2013, 24, 245-255.	1.5	27
13	Simultaneous partial nitrification and 2-fluorophenol biodegradation with aerobic granular biomass: Reactor performance and microbial communities. <i>Bioresource Technology</i> , 2017, 238, 232-240.	4.8	21
14	Sequencing versus continuous granular sludge reactor for the treatment of freshwater aquaculture effluents. <i>Water Research</i> , 2021, 201, 117293.	5.3	20
15	Co-metabolic degradation of chlorobenzene by the fluorobenzene degrading wild strain <i>Labrys portucalensis</i> . <i>International Biodeterioration and Biodegradation</i> , 2012, 72, 76-81.	1.9	18
16	Increased extracellular polymeric substances production contributes for the robustness of aerobic granular sludge during long-term intermittent exposure to 2-fluorophenol in saline wastewater. <i>Journal of Water Process Engineering</i> , 2021, 40, 101977.	2.6	18
17	Bioaugmentation for treating transient 4-fluorocinnamic acid shock loads in a rotating biological contactor. <i>Bioresource Technology</i> , 2013, 144, 554-562.	4.8	15
18	MALDI-TOF MS for the Identification of Cultivable Organic-Degrading Bacteria in Contaminated Groundwater near Unconventional Natural Gas Extraction Sites. <i>Microorganisms</i> , 2017, 5, 47.	1.6	15

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19	Wastewater Valorization by Pure Bacterial Cultures to Extracellular Polymeric Substances (EPS) with High Emulsifying Potential and Flocculation Activities. <i>Waste and Biomass Valorization</i> , 2018, 9, 2557-2564.	1.8	14
20	Mineralization of 4-fluorocinnamic acid by a <i>Rhodococcus</i> strain. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1893-1905.	1.7	13
21	Valorization of wastewater from food industry: moving to a circular bioeconomy. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 269-295.	3.9	12
22	Biological treatment of a contaminated gaseous emission from a leather industry in a suspended-growth bioreactor. <i>Chemosphere</i> , 2009, 74, 232-238.	4.2	11
23	Wastewater Valorization: Practice around the World at Pilot- and Full-Scale. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9466.	1.2	10
24	Recovered granular sludge extracellular polymeric substances as carrier for bioaugmentation of granular sludge reactor. <i>Chemosphere</i> , 2021, 275, 130037.	4.2	6
25	Strategies for Biodegradation of Fluorinated Compounds. <i>Nanotechnology in the Life Sciences</i> , 2018, , 239-280.	0.4	5
26	High Carbon Load in Food Processing Industrial Wastewater is a Driver for Metabolic Competition in Aerobic Granular Sludge. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	4
27	Cultivable microalgae diversity from a freshwater aquaculture filtering system and its potential for polishing aquaculture-derived water streams. <i>Journal of Applied Microbiology</i> , 2022, 132, 1543-1556.	1.4	2
28	Aerobic Granular Sludge. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2017, , 231-263.	0.3	2
29	Quantitative image analysis as a robust tool to assess effluent quality from an aerobic granular sludge system treating industrial wastewater. <i>Chemosphere</i> , 2021, , 132773.	4.2	2
30	Development of a low pressure chromatographic flow system for monitoring the biodegradation of ofloxacin and ciprofloxacin. <i>Analytical Methods</i> , 2016, 8, 5457-5465.	1.3	1