Catarina L Amorim

List of Publications by Year
in descending order

30 papers	987 citations	516710 16 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	1170 citing authors

#	Article	IF	Citations
1	Cultivable microalgae diversity from a freshwater aquaculture filtering system and its potential for polishing aquacultureâ€derived water streams. Journal of Applied Microbiology, 2022, 132, 1543-1556.	3.1	2
2	Valorization of wastewater from food industry: moving to a circular bioeconomy. Reviews in Environmental Science and Biotechnology, 2022, 21, 269-295.	8.1	12
3	Long-term stability of a non-adapted aerobic granular sludge process treating fish canning wastewater associated to EPS producers in the core microbiome. Science of the Total Environment, 2021, 756, 144007.	8.0	33
4	Increased extracellular polymeric substances production contributes for the robustness of aerobic granular sludge during long-term intermittent exposure to 2-fluorophenol in saline wastewater. Journal of Water Process Engineering, 2021, 40, 101977.	5.6	18
5	Recovered granular sludge extracellular polymeric substances as carrier for bioaugmentation of granular sludge reactor. Chemosphere, 2021, 275, 130037.	8.2	6
6	Sequencing versus continuous granular sludge reactor for the treatment of freshwater aquaculture effluents. Water Research, 2021, 201, 117293.	11.3	20
7	Wastewater Valorization: Practice around the World at Pilot- and Full-Scale. International Journal of Environmental Research and Public Health, 2021, 18, 9466.	2.6	10
8	High Carbon Load in Food Processing Industrial Wastewater is a Driver for Metabolic Competition in Aerobic Granular Sludge. Frontiers in Environmental Science, 2021, 9, .	3.3	4
9	Quantitative image analysis as a robust tool to assess effluent quality from an aerobic granular sludge system treating industrial wastewater. Chemosphere, 2021, , 132773.	8.2	2
10	Variability in the composition of extracellular polymeric substances from a full-scale aerobic granular sludge reactor treating urban wastewater. Journal of Environmental Chemical Engineering, 2020, 8, 104156.	6.7	29
11	Wastewater Valorization by Pure Bacterial Cultures to Extracellular Polymeric Substances (EPS) with High Emulsifying Potential and Flocculation Activities. Waste and Biomass Valorization, 2018, 9, 2557-2564.	3.4	14
12	Bacterial community dynamics within an aerobic granular sludge reactor treating wastewater loaded with pharmaceuticals. Ecotoxicology and Environmental Safety, 2018, 147, 905-912.	6.0	49
13	Strategies for Biodegradation of Fluorinated Compounds. Nanotechnology in the Life Sciences, 2018, , 239-280.	0.6	5
14	Simultaneous partial nitrification and 2-fluorophenol biodegradation with aerobic granular biomass: Reactor performance and microbial communities. Bioresource Technology, 2017, 238, 232-240.	9.6	21
15	MALDI-TOF MS for the Identification of Cultivable Organic-Degrading Bacteria in Contaminated Groundwater near Unconventional Natural Gas Extraction Sites. Microorganisms, 2017, 5, 47.	3.6	15
16	Aerobic Granular Sludge. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 231-263.	0.4	2
17	Development of a low pressure chromatographic flow system for monitoring the biodegradation of ofloxacin and ciprofloxacin. Analytical Methods, 2016, 8, 5457-5465.	2.7	1
18	Treatment of a simulated wastewater amended with a chiral pharmaceuticals mixture by an aerobic granular sludge sequencing batch reactor. International Biodeterioration and Biodegradation, 2016, 115, 277-285.	3.9	57

#	Article	IF	Citations
19	Fluoroquinolones biosorption onto microbial biomass: activated sludge and aerobic granular sludge. International Biodeterioration and Biodegradation, 2016, 110, 53-60.	3.9	54
20	Removal of fluoxetine and its effects in the performance of an aerobic granular sludge sequential batch reactor. Journal of Hazardous Materials, 2015, 287, 93-101.	12.4	49
21	Mineralization of 4-fluorocinnamic acid by a Rhodococcus strain. Applied Microbiology and Biotechnology, 2014, 98, 1893-1905.	3.6	13
22	Biodegradation of ofloxacin, norfloxacin, and ciprofloxacin as single and mixed substrates by Labrys portucalensis F11. Applied Microbiology and Biotechnology, 2014, 98, 3181-3190.	3.6	149
23	Degradation of fluoroquinolone antibiotics and identification of metabolites/transformation products by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2014, 1333, 87-98.	3.7	96
24	Performance of aerobic granular sludge in a sequencing batch bioreactor exposed to ofloxacin, norfloxacin and ciprofloxacin. Water Research, 2014, 50, 101-113.	11.3	197
25	Bioaugmentation for treating transient 4-fluorocinnamic acid shock loads in a rotating biological contactor. Bioresource Technology, 2013, 144, 554-562.	9.6	15
26	Biodegradation of fluoroanilines by the wild strain Labrys portucalensis. International Biodeterioration and Biodegradation, 2013, 80, 10-15.	3.9	29
27	Effect of the metals iron, copper and silver on fluorobenzene biodegradation by Labrys portucalensis. Biodegradation, 2013, 24, 245-255.	3.0	27
28	Degradation of difluorobenzenes by the wild strain Labrys portucalensis. Biodegradation, 2012, 23, 653-662.	3.0	29
29	Co-metabolic degradation of chlorobenzene by the fluorobenzene degrading wild strain Labrys portucalensis. International Biodeterioration and Biodegradation, 2012, 72, 76-81.	3.9	18
30	Biological treatment of a contaminated gaseous emission from a leather industry in a suspended-growth bioreactor. Chemosphere, 2009, 74, 232-238.	8.2	11