

Juliana Calabria de Araújo

List of Publications by Year in descending order

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38
papers

1,073
citations

516561

16
h-index

414303

32
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39
all docs

39
docs citations

39
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of hexamethyldisilazane and critical point drying treatments for SEM analysis of anaerobic biofilms and granular sludge. <i>Journal of Electron Microscopy</i> , 2003, 52, 429-433.	0.9	168
2	Microbial communities in anammox reactors: a review. <i>Environmental Technology Reviews</i> , 2017, 6, 74-93.	2.1	131
3	Effect of phenol on the nitrogen removal performance and microbial community structure and composition of an anammox reactor. <i>Bioresource Technology</i> , 2014, 166, 103-111.	4.8	99
4	Anammox for nitrogen removal from anaerobically pre-treated municipal wastewater: Effect of COD/N ratios on process performance and bacterial community structure. <i>Bioresource Technology</i> , 2016, 211, 257-266.	4.8	92
5	Effect of temperature on microbial diversity and nitrogen removal performance of an anammox reactor treating anaerobically pretreated municipal wastewater. <i>Bioresource Technology</i> , 2018, 258, 208-219.	4.8	90
6	How to use molecular biology tools for the study of the anaerobic digestion process?. <i>Reviews in Environmental Science and Biotechnology</i> , 2015, 14, 555-593.	3.9	60
7	Anammox bacteria enrichment and characterization from municipal activated sludge. <i>Water Science and Technology</i> , 2011, 64, 1428-1434.	1.2	46
8	Impact of inocula and operating conditions on the microbial community structure of two anammox reactors. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1811-1822.	1.2	43
9	Inhibition of anammox activity by municipal and industrial wastewater pollutants: A review. <i>Science of the Total Environment</i> , 2021, 799, 149449.	3.9	40
10	DGGE with genomic DNA: Suitable for detection of numerically important organisms but not for identification of the most abundant organisms. <i>Water Research</i> , 2008, 42, 5002-5010.	5.3	37
11	Nitrogen removal by simultaneous partial nitrification, anammox and denitrification (SNAD) in a structured-bed reactor treating animal feed processing wastewater: Inhibitory effects and bacterial community. <i>International Biodeterioration and Biodegradation</i> , 2018, 133, 108-115.	1.9	31
12	Nitrogen removal from food waste digestate using partial nitrification-anammox process: Effect of different aeration strategies on performance and microbial community dynamics. <i>Journal of Environmental Management</i> , 2019, 251, 109562.	3.8	27
13	Effect of alkaline treatment on pathogens, bacterial community and antibiotic resistance genes in different sewage sludges for potential agriculture use. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 529-538.	1.2	25
14	Persulfate mediated solar photo-Fenton aiming at wastewater treatment plant effluent improvement at neutral PH: emerging contaminant removal, disinfection, and elimination of antibiotic-resistant bacteria. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17355-17368.	2.7	23
15	Illumina sequencing-based analysis of a microbial community enriched under anaerobic methane oxidation condition coupled to denitrification revealed coexistence of aerobic and anaerobic methanotrophs. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16751-16764.	2.7	20
16	Bacterial community involved in the nitrogen cycle in a down-flow sponge-based trickling filter treating UASB effluent. <i>Water Science and Technology</i> , 2015, 72, 116-122.	1.2	17
17	Microbial community and sulphur behaviour in phototrophic reactors treating UASB effluent under different operational conditions. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 486-498.	1.9	14
18	Metagenomic analysis and performance of a mesophilic anaerobic reactor treating food waste at various load rates. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2153-2163.	1.2	12

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19	Metagenomic analysis of a desulphurisation system used to treat biogas from vinasse methanisation. <i>Bioresource Technology</i> , 2016, 205, 58-66.	4.8	11
20	Long-term monitoring of SARS-CoV-2 RNA in sewage samples from specific public places and STPs to track COVID-19 spread and identify potential hotspots. <i>Science of the Total Environment</i> , 2022, 838, 155959.	3.9	11
21	Enrichment and activity of methanotrophic microorganisms from municipal wastewater sludge. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1563-1575.	1.2	10
22	Impact of microaeration bioreactor on dissolved sulfide and methane removal from real UASB effluent for sewage treatment. <i>Water Science and Technology</i> , 2020, 81, 1951-1960.	1.2	8
23	Detecção e quantificação de bactérias resistentes aos antibióticos ampicilina e cloranfenicol em estações de tratamento de esgoto doméstico. <i>Engenharia Sanitaria E Ambiental</i> , 2020, 25, 847-857.	0.1	8
24	Evaluation of nitrogen removal and the microbial community in a submerged aerated biological filter (SABF), secondary decanters (SD), and horizontal subsurface flow constructed wetlands (HSSF-CW) for the treatment of kennel effluent. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43125-43137.	2.7	7
25	Performance and bacterial diversity of bioreactors used for simultaneous removal of sulfide, solids and organic matter from UASB reactor effluents. <i>Water Science and Technology</i> , 2018, 78, 1312-1323.	1.2	6
26	Enhanced biodiesel industry wastewater treatment via a hybrid MBBR combined with advanced oxidation processes: analysis of active microbiota and toxicity removal. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4521-4536.	2.7	6
27	Diversity and dynamics of ammonia-oxidizing bacterial communities in a sponge-based trickling filter treating effluent from a UASB reactor. <i>Water Science and Technology</i> , 2013, 68, 650-657.	1.2	5
28	Monitoramento do esgoto como ferramenta de vigilância epidemiológica para controle da COVID-19: estudo de caso na cidade de Belo Horizonte. <i>Engenharia Sanitaria E Ambiental</i> , 2021, 26, 691-699.	0.1	5
29	Studies of filter media for zero-discharge systems collecting light greywater. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2173-2184.	1.2	4
30	Nitrification in pilot-scale bioreactors fed with effluent from a submerged biological aerated filter used in the treatment of dog wastewater. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3852-3862.	1.2	4
31	Effects of activated sludge and UV disinfection processes on the bacterial community and antibiotic resistance profile in a municipal wastewater treatment plant. <i>Environmental Science and Pollution Research</i> , 2022, 29, 36088-36099.	2.7	4
32	Mainstream partial nitrification-anammox as post-treatment of anaerobic effluents under warm climate regions: a critical review of the reported drawbacks. <i>Environmental Technology Reviews</i> , 2021, 10, 143-160.	2.1	3
33	Comparação de métodos para quantificação de bactérias nitrificantes. <i>Engenharia Sanitaria E Ambiental</i> , 2018, 23, 299-305.	0.1	2
34	Aeration strategies and temperature effects on the partial nitrification/anammox process for nitrogen removal: performance and bacterial community assessment. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3852-3862.	1.2	4
35	Air-drying bed as an alternative treatment for UASB sludge under tropical conditions. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2020, 10, 458-470.	0.7	1
36	Detection of methanotrophic microorganisms in sludge and sediment samples from sewage treatment systems. <i>Water Practice and Technology</i> , 2022, 17, 329-335.	1.0	1

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37	Methanotrophic activity and microbial community dynamics in a UASB sludge. Revista Ibero-americana De Ciências Ambientais, 2020, 12, 312-321.	0.0	1
38	Uma revisão sobre: tratamento biológico de drenagem de mina “ cenário atualizado, perspectivas e recomendações de futuros trabalhos. Engenharia Sanitaria E Ambiental, 2021, 26, 69-76.	0.1	0