

Gilberto Martins

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1046669/publications.pdf>

Version: 2024-02-01

20
papers

1,013
citations

567281

15
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1261
citing authors

#	ARTICLE	IF	CITATIONS
1	Methane Production and Conductive Materials: A Critical Review. <i>Environmental Science & Technology</i> , 2018, 52, 10241-10253.	10.0	291
2	Carbon nanotubes accelerate methane production in pure cultures of methanogens and in a syntrophic coculture. <i>Environmental Microbiology</i> , 2017, 19, 2727-2739.	3.8	127
3	Phosphorus fractionation in volcanic lake sediments (Azores – Portugal). <i>Chemosphere</i> , 2008, 70, 1256-1263.	8.2	122
4	In situ microbial fuel cell-based biosensor for organic carbon. <i>Bioelectrochemistry</i> , 2011, 81, 99-103.	4.6	93
5	Resources recovery in the dairy industry: bioelectricity production using a continuous microbial fuel cell. <i>Journal of Cleaner Production</i> , 2017, 140, 971-976.	9.3	68
6	Structure and activity of lacustrine sediment bacteria involved in nutrient and iron cycles. <i>FEMS Microbiology Ecology</i> , 2011, 77, 666-679.	2.7	51
7	Towards implementation of a benthic microbial fuel cell in lake Furnas (Azores): Phylogenetic affiliation and electrochemical activity of sediment bacteria. <i>Bioelectrochemistry</i> , 2010, 78, 67-71.	4.6	47
8	Prospective scenarios for water quality and ecological status in Lake Sete Cidades (Portugal): The integration of mathematical modelling in decision processes. <i>Applied Geochemistry</i> , 2008, 23, 2171-2181.	3.0	37
9	Impact of an external electron acceptor on phosphorus mobility between water and sediments. <i>Bioresource Technology</i> , 2014, 151, 419-423.	9.6	33
10	Phosphorus-iron interaction in sediments: can an electrode minimize phosphorus release from sediments?. <i>Reviews in Environmental Science and Biotechnology</i> , 2014, 13, 265-275.	8.1	25
11	Water resources management in southern Europe: Clues for a research and innovation based regional hypercluster. <i>Journal of Environmental Management</i> , 2013, 119, 76-84.	7.8	23
12	Bacterial Diversity and Geochemical Profiles in Sediments from Eutrophic Azorean Lakes. <i>Geomicrobiology Journal</i> , 2012, 29, 704-715.	2.0	19
13	Ciprofloxacin, diclofenac, ibuprofen and 17 β -ethinylestradiol differentially affect the activity of acetogens and methanogens in anaerobic communities. <i>Ecotoxicology</i> , 2020, 29, 866-875.	2.4	19
14	Mineral Cycling and pH Gradient Related with Biological Activity under Transient Anoxic-Oxic Conditions: Effect on P Mobility in Volcanic Lake Sediments. <i>Environmental Science & Technology</i> , 2014, 48, 9205-9210.	10.0	17
15	A flat microbial fuel cell for decentralized wastewater valorization: process performance and optimization potential. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1947-1956.	2.2	16
16	Assessment of Electron Transfer Mechanisms during a Long-Term Sediment Microbial Fuel Cell Operation. <i>Energies</i> , 2019, 12, 481.	3.1	12
17	Multi-Walled Carbon Nanotubes Enhance Methanogenesis from Diverse Organic Compounds in Anaerobic Sludge and River Sediments. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8184.	2.5	8
18	Hydrocarbon Toxicity towards Hydrogenotrophic Methanogens in Oily Waste Streams. <i>Energies</i> , 2021, 14, 4830.	3.1	3

#	ARTICLE	IF	CITATIONS
19	Microbial conversion of oily wastes to methane: Effect of ferric nanomaterials. , 2019, , 339-345.		1
20	Special Issue on the Intensified Conversion of Organic Waste into Biogas. Applied Sciences (Switzerland), 2022, 12, 3573.	2.5	1