

M Fã;tima Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,788
citations

218662

26
h-index

302107

39
g-index

63
all docs

63
docs citations

63
times ranked

1840
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation of the veterinary antibiotics enrofloxacin and ceftiofur and associated microbial community dynamics. <i>Science of the Total Environment</i> , 2017, 581-582, 359-368.	8.0	130
2	4-Chlorophenol degradation by a bacterial consortium: development of a granular activated carbon biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , 1999, 52, 722-729.	3.6	106
3	The Essentials of Marine Biotechnology. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	75
4	2-Fluorophenol degradation by aerobic granular sludge in a sequencing batch reactor. <i>Water Research</i> , 2011, 45, 6745-6752.	11.3	67
5	Biodegradation of oxytetracycline and enrofloxacin by autochthonous microbial communities from estuarine sediments. <i>Science of the Total Environment</i> , 2019, 648, 962-972.	8.0	65
6	Isolation and properties of a pure bacterial strain capable of fluorobenzene degradation as sole carbon and energy source. <i>Environmental Microbiology</i> , 2005, 7, 294-298.	3.8	63
7	Isolation and Initial Characterization of a Bacterial Consortium Able To Mineralize Fluorobenzene. <i>Applied and Environmental Microbiology</i> , 2002, 68, 102-105.	3.1	59
8	Actinobacteria Isolated From <i>Laminaria ochroleuca</i> : A Source of New Bioactive Compounds. <i>Frontiers in Microbiology</i> , 2019, 10, 683.	3.5	54
9	Pharmaceutical Compounds in Aquatic Environments – Occurrence, Fate and Bioremediation Prospective. <i>Toxics</i> , 2021, 9, 257.	3.7	52
10	Natural production of fluorinated compounds and biotechnological prospects of the fluorinase enzyme. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 880-897.	9.0	50
11	Actinobacteria and Cyanobacteria Diversity in Terrestrial Antarctic Microenvironments Evaluated by Culture-Dependent and Independent Methods. <i>Frontiers in Microbiology</i> , 2019, 10, 1018.	3.5	50
12	Increased protein content of chickpea (<i>Cicer arietinum</i> L.) inoculated with arbuscular mycorrhizal fungi and nitrogen-fixing bacteria under water deficit conditions. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 4379-4385.	3.5	43
13	<i>Chryseobacterium palustre</i> sp. nov. and <i>Chryseobacterium humi</i> sp. nov., isolated from industrially contaminated sediments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 402-407.	1.7	42
14	A GAC biofilm reactor for the continuous degradation of 4-chlorophenol: treatment efficiency and microbial analysis. <i>Applied Microbiology and Biotechnology</i> , 2001, 57, 419-426.	3.6	41
15	Degradation of Fluorobenzene by Rhizobiales Strain F11 via ortho Cleavage of 4-Fluorocatechol and Catechol. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7413-7417.	3.1	40
16	Seed coating with inocula of arbuscular mycorrhizal fungi and plant growth promoting rhizobacteria for nutritional enhancement of maize under different fertilisation regimes. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 31-43.	2.6	40
17	Valorization of Marine Waste: Use of Industrial By-Products and Beach Wrack Towards the Production of High Added-Value Products. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	35
18	Adsorption of fluorobenzene onto granular activated carbon: Isotherm and bioavailability studies. <i>Bioresource Technology</i> , 2007, 98, 3424-3430.	9.6	34

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19	Isolation and characterization of a <i>Rhodococcus</i> strain able to degrade 2-fluorophenol. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 511-520.	3.6	33
20	Microbial degradation of two highly persistent fluorinated fungicides - epoxiconazole and fludioxonil. <i>Journal of Hazardous Materials</i> , 2020, 394, 122545.	12.4	32
21	In situ corrosion control in industrial water systems. <i>Biodegradation</i> , 2000, 11, 441-448.	3.0	31
22	Bacterial degradation of moxifloxacin in the presence of acetate as a bulk substrate. <i>Journal of Environmental Management</i> , 2016, 168, 219-228.	7.8	30
23	<i>Labrys portucalensis</i> sp. nov., a fluorobenzene-degrading bacterium isolated from an industrially contaminated sediment in northern Portugal. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 692-698.	1.7	29
24	Degradation of difluorobenzenes by the wild strain <i>Labrys portucalensis</i> . <i>Biodegradation</i> , 2012, 23, 653-662.	3.0	29
25	Biodegradation of fluoroanilines by the wild strain <i>Labrys portucalensis</i> . <i>International Biodeterioration and Biodegradation</i> , 2013, 80, 10-15.	3.9	29
26	Biodegradation of mono-, di- and trifluoroacetate by microbial cultures with different origins. <i>New Biotechnology</i> , 2018, 43, 23-29.	4.4	29
27	Revisiting pesticide pollution: The case of fluorinated pesticides. <i>Environmental Pollution</i> , 2022, 292, 118315.	7.5	29
28	Improved grain yield of cowpea (<i>Vigna unguiculata</i>) under water deficit after inoculation with <i>Bradyrhizobium elkanii</i> and <i>Rhizophagus irregularis</i> . <i>Crop and Pasture Science</i> , 2017, 68, 1052.	1.5	28
29	Effect of the metals iron, copper and silver on fluorobenzene biodegradation by <i>Labrys portucalensis</i> . <i>Biodegradation</i> , 2013, 24, 245-255.	3.0	27
30	SARS-CoV-2 RNA detected in urban wastewater from Porto, Portugal: Method optimization and continuous 25-week monitoring. <i>Science of the Total Environment</i> , 2021, 792, 148467.	8.0	25
31	Bioaugmentation of a rotating biological contactor for degradation of 2-fluorophenol. <i>Bioresource Technology</i> , 2011, 102, 9300-9303.	9.6	24
32	Arbuscular mycorrhizal fungi are an alternative to the application of chemical fertilizer in the production of the medicinal and aromatic plant <i>Coriandrum sativum</i> L.. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 320-328.	2.3	23
33	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	22
34	Microbial degradation of 17 β -estradiol and 17 α -ethinylestradiol followed by a validated HPLC-DAD method. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2010, 45, 265-273.	1.5	21
35	Diversity and Bioactive Potential of Actinobacteria Isolated from a Coastal Marine Sediment in Northern Portugal. <i>Microorganisms</i> , 2020, 8, 1691.	3.6	20
36	Harnessing the Potential of Native Microbial Communities for Bioremediation of Oil Spills in the Iberian Peninsula NW Coast. <i>Frontiers in Microbiology</i> , 2021, 12, 633659.	3.5	20

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37	Bioremediation of bezafibrate and paroxetine by microorganisms from estuarine sediment and activated sludge of an associated wastewater treatment plant. <i>Science of the Total Environment</i> , 2019, 655, 796-806.	8.0	19
38	Genetic, phenotypic and functional variation within a <i>Glomus geosporum</i> isolate cultivated with or without the stress of a highly alkaline anthropogenic sediment. <i>Applied Soil Ecology</i> , 2010, 45, 39-48.	4.3	18
39	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.	3.9	18
40	Biodegradation of 2-fluorobenzoate and dichloromethane under simultaneous and sequential alternating pollutant feeding. <i>Water Research</i> , 2008, 42, 3857-3869.	11.3	16
41	Biodegradation of enrofloxacin by microbial consortia obtained from rhizosediments of two estuarine plants. <i>Journal of Environmental Management</i> , 2019, 231, 1145-1153.	7.8	16
42	Potential of bacterial consortia obtained from different environments for bioremediation of paroxetine and bezafibrate. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103881.	6.7	16
43	Long-term performance and microbial dynamics of an up-flow fixed bed reactor established for the biodegradation of fluorobenzene. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 555-562.	3.6	15
44	Optimization of an Autochthonous Bacterial Consortium Obtained from Beach Sediments for Bioremediation of Petroleum Hydrocarbons. <i>Water (Switzerland)</i> , 2021, 13, 66.	2.7	15
45	Mineralization of 4-fluorocinnamic acid by a <i>Rhodococcus</i> strain. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1893-1905.	3.6	13
46	Development of an autonomous biosampler to capture in situ aquatic microbiomes. <i>PLoS ONE</i> , 2019, 14, e0216882.	2.5	13
47	Biological treatment of a contaminated gaseous emission from a leather industry in a suspended-growth bioreactor. <i>Chemosphere</i> , 2009, 74, 232-238.	8.2	11
48	<i>Salsipaludibacter albus</i> gen. nov., sp. nov., a novel actinobacterial strain isolate from a Portuguese solar saltern and proposal of <i>Salsipaludibacteraceae</i> fam. nov. and <i>Salsipaludibacterales</i> ord. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2022, 72, .	1.7	11
49	Fish performance, intestinal bacterial community, digestive function and skin and fillet attributes during cold storage of gilthead seabream (<i>Sparus aurata</i>) fed diets supplemented with <i>Gracilaria</i> by-products. <i>Aquaculture</i> , 2021, 541, 736808.	3.5	10
50	Bioremediation of Petroleum Hydrocarbons in Seawater: Prospects of Using Lyophilized Native Hydrocarbon-Degrading Bacteria. <i>Microorganisms</i> , 2021, 9, 2285.	3.6	10
51	Microbial degradation of pharmaceuticals followed by a simple HPLC-DAD method. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 2151-2158.	1.7	9
52	Endophytic Actinobacteria for Sustainable Agricultural Applications. <i>Sustainable Development and Biodiversity</i> , 2017, , 163-189.	1.7	9
53	Bioleaching of Heavy Metals from Printed Circuit Boards with an Acidophilic Iron-Oxidizing Microbial Consortium in Stirred Tank Reactors. <i>Bioengineering</i> , 2022, 9, 79.	3.5	8
54	Atlas of the microbial degradation of fluorinated pesticides. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 991-1009.	9.0	6

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55	Combining Culture-Dependent and Independent Approaches for the Optimization of Epoxiconazole and Fludioxonil-Degrading Bacterial Consortia. <i>Microorganisms</i> , 2021, 9, 2109.	3.6	6
56	Diversity and Hydrocarbon-Degrading Potential of Deep-Sea Microbial Community from the Mid-Atlantic Ridge, South of the Azores (North Atlantic Ocean). <i>Microorganisms</i> , 2021, 9, 2389.	3.6	6
57	Culturable bacteria from two Portuguese salterns: diversity and bioactive potential. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 459-475.	1.7	5
58	Seasonal Evaluation of Freshness Profile of Commercially Important Fish Species. <i>Foods</i> , 2021, 10, 1567.	4.3	5
59	Complete Genome Sequence of Two Deep-Sea <i>Streptomyces</i> Isolates from Madeira Archipelago and Evaluation of Their Biosynthetic Potential. <i>Marine Drugs</i> , 2021, 19, 621.	4.6	5
60	ROSM - Robotic Oil Spill Mitigations. , 2019, , .		0