

Ana P Mucha

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

2,129
citations

26
h-index

43
g-index

87
ext. papers

2,455
ext. citations

5.8
avg, IF

5.09
L-index

#	Paper	IF	Citations
84	Macrobenthic community in the Douro estuary: relations with trace metals and natural sediment characteristics. <i>Environmental Pollution</i> , 2003 , 121, 169-80	9.3	246
83	Influence of the sea rush <i>Juncus maritimus</i> on metal concentration and speciation in estuarine sediment colonized by the plant. <i>Environmental Science & Technology</i> , 2004 , 38, 3112-8	10.3	107
82	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	10.2	87
81	Microbial community dynamics associated with veterinary antibiotics removal in constructed wetlands microcosms. <i>Bioresource Technology</i> , 2015 , 182, 26-33	11	78
80	Comparison of the role of the sea club-rush <i>Scirpus maritimus</i> and the sea rush <i>Juncus maritimus</i> in terms of concentration, speciation and bioaccumulation of metals in the estuarine sediment. <i>Environmental Pollution</i> , 2006 , 142, 151-9	9.3	76
79	Role of different salt marsh plants on metal retention in an urban estuary (Lima estuary, NW Portugal). <i>Estuarine, Coastal and Shelf Science</i> , 2011 , 91, 243-249	2.9	74
78	Exudation of organic acids by a marsh plant and implications on trace metal availability in the rhizosphere of estuarine sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2005 , 65, 191-198	2.9	71
77	Potential of constructed wetlands microcosms for the removal of veterinary pharmaceuticals from livestock wastewater. <i>Bioresource Technology</i> , 2013 , 134, 412-6	11	70
76	Can PAHs influence Cu accumulation by salt marsh plants?. <i>Marine Environmental Research</i> , 2008 , 66, 311-8	3.3	64
75	Vertical distribution of the macrobenthic community and its relationships to trace metals and natural sediment characteristics in the lower Douro estuary, Portugal. <i>Estuarine, Coastal and Shelf Science</i> , 2004 , 59, 663-673	2.9	54
74	Bacterial community response to petroleum contamination and nutrient addition in sediments from a temperate salt marsh. <i>Science of the Total Environment</i> , 2013 , 458-460, 568-76	10.2	49
73	Spatial and seasonal variations of the macrobenthic community and metal contamination in the Douro estuary (Portugal). <i>Marine Environmental Research</i> , 2005 , 60, 531-50	3.3	44
72	LMWOA (low molecular weight organic acid) exudation by salt marsh plants: Natural variation and response to Cu contamination. <i>Estuarine, Coastal and Shelf Science</i> , 2010 , 88, 63-70	2.9	38
71	Silver nanoparticles uptake by salt marsh plants - Implications for phytoremediation processes and effects in microbial community dynamics. <i>Marine Pollution Bulletin</i> , 2017 , 119, 176-183	6.7	37
70	Biodegradation of oxytetracycline and enrofloxacin by autochthonous microbial communities from estuarine sediments. <i>Science of the Total Environment</i> , 2019 , 648, 962-972	10.2	37
69	Variability of metal contents in the sea rush <i>Juncus maritimus</i> -estuarine sediment system through one year of plant's life. <i>Marine Environmental Research</i> , 2006 , 61, 424-38	3.3	36
68	Interactions between salt marsh plants and Cu nanoparticles - Effects on metal uptake and phytoremediation processes. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 120, 303-9	7	35

67	Removal of veterinary antibiotics in constructed wetland microcosms - Response of bacterial communities. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 894-901	7	35
66	Influence of surfactants on the Cu phytoremediation potential of a salt marsh plant. <i>Chemosphere</i> , 2009 , 75, 135-40	8.4	34
65	Influence of a salt marsh plant (<i>Halimione portulacoides</i>) on the concentrations and potential mobility of metals in sediments. <i>Science of the Total Environment</i> , 2008 , 403, 188-95	10.2	33
64	Salt marsh plants (<i>Juncus maritimus</i> and <i>Scirpus maritimus</i>) as sources of strong complexing ligands. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 77, 104-112	2.9	32
63	Potential of constructed wetland for the removal of antibiotics and antibiotic resistant bacteria from livestock wastewater. <i>Ecological Engineering</i> , 2019 , 129, 45-53	3.9	30
62	Sediment quality in the Douro river estuary based on trace metal contents, macrobenthic community and elutriate sediment toxicity test (ESTT). <i>Journal of Environmental Monitoring</i> , 2004 , 6, 585-92		30
61	Macrozoobenthic community structure in two Portuguese estuaries: Relationship with organic enrichment and nutrient gradients. <i>Acta Oecologica</i> , 1999 , 20, 363-376	1.7	30
60	Hydrocarbon degradation potential of salt marsh plant-microorganisms associations. <i>Biodegradation</i> , 2011 , 22, 729-39	4.1	28
59	Potential of dissimilatory nitrate reduction pathways in polycyclic aromatic hydrocarbon degradation. <i>Chemosphere</i> , 2018 , 199, 54-67	8.4	27
58	Potential of bioremediation for buried oil removal in beaches after an oil spill. <i>Marine Pollution Bulletin</i> , 2013 , 76, 258-65	6.7	26
57	Potential of phytoremediation for the removal of petroleum hydrocarbons in contaminated salt marsh sediments. <i>Journal of Environmental Management</i> , 2014 , 137, 10-5	7.9	25
56	A strategy to potentiate Cd phytoremediation by saltmarsh plants - autochthonous bioaugmentation. <i>Journal of Environmental Management</i> , 2014 , 134, 136-44	7.9	24
55	Development of autochthonous microbial consortia for enhanced phytoremediation of salt-marsh sediments contaminated with cadmium. <i>Science of the Total Environment</i> , 2014 , 493, 757-65	10.2	24
54	Potential of the microbial community present in an unimpacted beach sediment to remediate petroleum hydrocarbons. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3176-84	5.1	24
53	Potential of Constructed Wetlands for Removal of Antibiotics from Saline Aquaculture Effluents. <i>Water (Switzerland)</i> , 2016 , 8, 465	3	24
52	Response of microbial communities colonizing salt marsh plants rhizosphere to copper oxide nanoparticles contamination and its implications for phytoremediation processes. <i>Science of the Total Environment</i> , 2017 , 581-582, 801-810	10.2	23
51	Salt marsh plant-microorganism interaction in the presence of mixed contamination. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 326-333	4.8	23
50	Deltamethrin impact in a cabbage planted soil: Degradation and effect on microbial community structure. <i>Chemosphere</i> , 2019 , 220, 1179-1186	8.4	23

49	Biodegradation of petroleum hydrocarbons in estuarine sediments: metal influence. <i>Biodegradation</i> , 2013 , 24, 111-23	4.1	22
48	Comparison of the response of three microalgae species exposed to elutriates of estuarine sediments based on growth and chemical speciation. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 576-585	3.8	22
47	Evaluation of the ability of two plants for the phytoremediation of Cd in salt marshes. <i>Estuarine, Coastal and Shelf Science</i> , 2014 , 141, 78-84	2.9	21
46	Response of a salt marsh microbial community to metal contamination. <i>Estuarine, Coastal and Shelf Science</i> , 2013 , 130, 81-88	2.9	21
45	The role of a salt marsh plant on trace metal bioavailability in sediments. Estimation by different chemical approaches. <i>Environmental Science and Pollution Research</i> , 2005 , 12, 271-7	5.1	21
44	Constructed wetlands for the removal of metals from livestock wastewater - Can the presence of veterinary antibiotics affect removals?. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 137, 143-148	7	20
43	Study of the influence of different organic pollutants on Cu accumulation by <i>Halimione portulacoides</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 85, 627-632	2.9	20
42	Can veterinary antibiotics affect constructed wetlands performance during treatment of livestock wastewater?. <i>Ecological Engineering</i> , 2017 , 102, 583-588	3.9	19
41	Microbial degradation of two highly persistent fluorinated fungicides - epoxiconazole and fludioxonil. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122545	12.8	18
40	Indigenous microbial communities along the NW Portuguese Coast: Potential for hydrocarbons degradation and relation with sediment contamination. <i>Marine Pollution Bulletin</i> , 2018 , 131, 620-632	6.7	18
39	Response of a salt marsh microbial community to antibiotic contamination. <i>Science of the Total Environment</i> , 2015 , 532, 301-8	10.2	16
38	Influence of natural rhizosediments characteristics on hydrocarbons degradation potential of microorganisms associated to <i>Juncus maritimus</i> roots. <i>International Biodeterioration and Biodegradation</i> , 2013 , 84, 86-96	4.8	16
37	Applicability of ecological assessment tools for management decision-making: A case study from the Lima estuary (NW Portugal). <i>Ocean and Coastal Management</i> , 2013 , 72, 54-63	3.9	14
36	Differential effects of crude oil on denitrification and anammox, and the impact on N ₂ O production. <i>Environmental Pollution</i> , 2016 , 216, 391-399	9.3	13
35	Biodegradation of enrofloxacin by microbial consortia obtained from rhizosediments of two estuarine plants. <i>Journal of Environmental Management</i> , 2019 , 231, 1145-1153	7.9	13
34	Influence of different salt marsh plants on hydrocarbon degrading microorganisms abundance throughout a phenological cycle. <i>International Journal of Phytoremediation</i> , 2013 , 15, 715-28	3.9	12
33	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	10.2	12
32	Bioremediation potential of microorganisms from a sandy beach affected by a major oil spill. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3634-45	5.1	11

31	Microbial communities within saltmarsh sediments: Composition, abundance and pollution constraints. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 99, 145-152	2.9	11
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	10.2	10
29	Salt marsh sediment characteristics as key regulators on the efficiency of hydrocarbons bioremediation by <i>Juncus maritimus</i> rhizospheric bacterial community. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 450-62	5.1	9
28	Pharmaceutical Compounds in Aquatic Environments-Occurrence, Fate and Bioremediation Prospective. <i>Toxics</i> , 2021 , 9,	4.7	9
27	Response of two salt marsh plants to short- and long-term contamination of sediment with cadmium. <i>Journal of Soils and Sediments</i> , 2015 , 15, 722-731	3.4	8
26	Optimization of an Autochthonous Bacterial Consortium Obtained from Beach Sediments for Bioremediation of Petroleum Hydrocarbons. <i>Water (Switzerland)</i> , 2021 , 13, 66	3	8
25	Livestock Wastewater Treatment in Constructed Wetlands for Agriculture Reuse. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	8
24	Sandy Beaches as Biogeochemical Hotspots: The Metabolic Role of Macroalgal Wrack on Low-productive Shores. <i>Ecosystems</i> , 2019 , 22, 49-63	3.9	8
23	Development of an autonomous biosampler to capture in situ aquatic microbiomes. <i>PLoS ONE</i> , 2019 , 14, e0216882	3.7	7
22	Bacterial community dynamic associated with autochthonous bioaugmentation for enhanced Cu phytoremediation of salt-marsh sediments. <i>Marine Environmental Research</i> , 2017 , 132, 68-78	3.3	6
21	Potential of bacterial consortia obtained from different environments for bioremediation of paroxetine and bezafibrate. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103881	6.8	6
20	Diversity and Bioactive Potential of Actinobacteria Isolated from a Coastal Marine Sediment in Northern Portugal. <i>Microorganisms</i> , 2020 , 8,	4.9	5
19	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	5.7	5
18	Floating Wetland Islands Implementation and Biodiversity Assessment in a Port Marina. <i>Water (Switzerland)</i> , 2020 , 12, 3273	3	4
17	Salt marsh plants as key mediators on the level of cadmium impact on microbial denitrification. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 10270-8	5.1	3
16	Disentangling the effects of solar radiation, wrack macroalgae and beach macrofauna on associated bacterial assemblages. <i>Marine Environmental Research</i> , 2015 , 112, 104-12	3.3	2
15	Microbial community dynamics in a hatchery recirculating aquaculture system (RAS) of sole (<i>Solea senegalensis</i>). <i>Aquaculture</i> , 2021 , 539, 736592	4.4	2
14	Anaerobic Biodegradation of Ethylic and Methylic Biodiesel and Their Impact on Benzene Degradation. <i>Clean - Soil, Air, Water</i> , 2017 , 45, 1600264	1.6	1

13	Salt Marsh Plants Potential for the Remediation of Hydrocarbon-Contaminated Environments 2015 , 323-331		1
12	MarinEye [A tool for marine monitoring 2016 ,		1
11	The effect of sand composition on the degradation of buried oil. <i>Marine Pollution Bulletin</i> , 2014 , 86, 391-401		1
10	Bioremediation of Petroleum Hydrocarbons in Seawater: Prospects of Using Lyophilized Native Hydrocarbon-Degrading Bacteria. <i>Microorganisms</i> , 2021 , 9,	4.9	1
9	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,	4.9	1
8	Combining Culture-Dependent and Independent Approaches for the Optimization of Epoxiconazole and Fludioxonil-Degrading Bacterial Consortia. <i>Microorganisms</i> , 2021 , 9,	4.9	1
7	Revisiting pesticide pollution: The case of fluorinated pesticides. <i>Environmental Pollution</i> , 2022 , 292, 118315	9.3	1
6	Constructed Wetlands for Livestock Wastewater Treatment: Antibiotics Removal and Effects on CWs Performance 2016 , 267-281		1
5	Alkylphenols and Chlorophenols Remediation in Vertical Flow Constructed Wetlands: Removal Efficiency and Microbial Community Response. <i>Water (Switzerland)</i> , 2021 , 13, 715	3	1
4	Biodegradation of the Antibiotics Oxytetracycline and Enrofloxacin by Microbial Communities from Douro Estuary (Portugal) Sediments. <i>Advances in Science, Technology and Innovation</i> , 2018 , 595-596	0.3	
3	Evaluation of the Potential of Salt Marsh Plants for Metal Phytoremediation in Estuarine Environment 2013 , 225-239		
2	Atlas of the microbial degradation of fluorinated pesticides. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-199.4		
1	Emerging investigator series: prompt response of estuarine denitrifying bacterial communities to copper nanoparticles at relevant environmental concentrations. <i>Environmental Science: Nano</i> , 2021 , 8, 913-926	7.1	