

Raquel S Peixoto

List of Publications by Year in Descending Order

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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.

107
papers

3,990
citations

38
h-index

60
g-index

120
ext. papers

5,242
ext. citations

4.9
avg, IF

5.5
L-index

#	Paper	IF	Citations
107	Global qualitative and quantitative distribution of micropollutants in the deep sea. <i>Environmental Pollution</i> , 2022 , 307, 119414	9.3	1
106	Sulphate-reducing bacterial community structure from produced water of the Periquito and Galo de Campina onshore oilfields in Brazil. <i>Scientific Reports</i> , 2021 , 11, 20311	4.9	0
105	Assessing skeleton and microbiome responses of a calcareous sponge under thermal and pH stresses. <i>ICES Journal of Marine Science</i> , 2021 , 78, 855-866	2.7	3
104	Microbial Succession under Freeze-Thaw Events and Its Potential for Hydrocarbon Degradation in Nutrient-Amended Antarctic Soil. <i>Microorganisms</i> , 2021 , 9,	4.9	1
103	Multi-domain probiotic consortium as an alternative to chemical remediation of oil spills at coral reefs and adjacent sites. <i>Microbiome</i> , 2021 , 9, 118	16.6	9
102	Insights into the Cultured Bacterial Fraction of Corals. <i>MSystems</i> , 2021 , 6, e0124920	7.6	11
101	Coral Probiotics: Premise, Promise, Prospects. <i>Annual Review of Animal Biosciences</i> , 2021 , 9, 265-288	13.7	30
100	Advances in Microbiome Research for Animal Health. <i>Annual Review of Animal Biosciences</i> , 2021 , 9, 289-317	11.7	11
99	Estrogen induces shift in abundances of specific groups of the coral microbiome. <i>Scientific Reports</i> , 2021 , 11, 2767	4.9	2
98	Consensus Guidelines for Advancing Coral Holobiont Genome and Specimen Voucher Deposition. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	8
97	Host under epigenetic control: A novel perspective on the interaction between microorganisms and corals. <i>BioEssays</i> , 2021 , 43, e2100068	4.1	0
96	Coral microbiome manipulation elicits metabolic and genetic restructuring to mitigate heat stress and evade mortality. <i>Science Advances</i> , 2021 , 7,	14.3	19
95	Ecological and biotechnological importance of secondary metabolites produced by coral-associated bacteria. <i>Journal of Applied Microbiology</i> , 2020 , 129, 1441-1457	4.7	10
94	Heat Waves Are a Major Threat to Turbid Coral Reefs in Brazil. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	32
93	Introducing the Mangrove Microbiome Initiative: Identifying Microbial Research Priorities and Approaches To Better Understand, Protect, and Rehabilitate Mangrove Ecosystems. <i>MSystems</i> , 2020 , 5,	7.6	12
92	Assessing the impact of synthetic estrogen on the microbiome of aerated submerged fixed-film reactors simulating tertiary sewage treatment and isolation of estrogen-degrading consortium. <i>Science of the Total Environment</i> , 2020 , 743, 140428	10.2	3
91	Delivering Beneficial Microorganisms for Corals: Rotifers as Carriers of Probiotic Bacteria. <i>Frontiers in Microbiology</i> , 2020 , 11, 608506	5.7	6

90	Inevitable future: space colonization beyond Earth with microbes first. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	9
89	Tracking Mangrove Oil Bioremediation Approaches and Bacterial Diversity at Different Depths in an Mesocosms System. <i>Frontiers in Microbiology</i> , 2019 , 10, 2107	5.7	8
88	Adaptable mesocosm facility to study oil spill impacts on corals. <i>Ecology and Evolution</i> , 2019 , 9, 5172-5185	5.8	6
87	Microbial bioremediation of oil contaminated seawater: A survey of patent deposits and the characterization of the top genera applied. <i>Science of the Total Environment</i> , 2019 , 666, 743-758	10.2	24
86	Prospecting Microbial Strains for Bioremediation and Probiotics Development for Metaorganism Research and Preservation. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	4
85	Host-associated microbiomes drive structure and function of marine ecosystems. <i>PLoS Biology</i> , 2019 , 17, e3000533	9.7	44
84	Customized Medicine for Corals. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	20
83	Marine probiotics: increasing coral resistance to bleaching through microbiome manipulation. <i>ISME Journal</i> , 2019 , 13, 921-936	11.9	133
82	Specific plasmid patterns and high rates of bacterial co-occurrence within the coral holobiont. <i>Ecology and Evolution</i> , 2018 , 8, 1818-1832	2.8	14
81	Water contamination by endocrine disruptors: Impacts, microbiological aspects and trends for environmental protection. <i>Environmental Pollution</i> , 2018 , 235, 546-559	9.3	118
80	The Microbiome of Eucalyptus Roots under Different Management Conditions and Its Potential for Biological Nitrogen Fixation. <i>Microbial Ecology</i> , 2018 , 75, 183-191	4.4	21
79	Coral Bacterial-Core Abundance and Network Complexity as Proxies for Anthropogenic Pollution. <i>Frontiers in Microbiology</i> , 2018 , 9, 833	5.7	29
78	Characterization of <i>Laguncularia racemosa</i> transcriptome and molecular response to oil pollution. <i>Aquatic Toxicology</i> , 2018 , 205, 36-50	5.1	3
77	Predicting the biotechnological potential of bacteria isolated from Antarctic soils, including the rhizosphere of vascular plants. <i>Polar Biology</i> , 2017 , 40, 1393-1407	2	13
76	Revealing the bacterial profile of an anoxic-aerobic moving-bed biofilm reactor system treating a chemical industry wastewater. <i>International Biodeterioration and Biodegradation</i> , 2017 , 120, 152-160	4.8	26
75	Early Heat Shock Protein Response and Selection of Reference Genes in <i>Arabidopsis thaliana</i> Seedlings Subjected to Marine Fuel Contamination. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	4
74	Broadcast Spawning Coral Can Vertically Transfer its Associated Bacterial Core. <i>Frontiers in Microbiology</i> , 2017 , 8, 176	5.7	41
73	Beneficial Microorganisms for Corals (BMC): Proposed Mechanisms for Coral Health and Resilience. <i>Frontiers in Microbiology</i> , 2017 , 8, 341	5.7	202

72	Bacterial Fecal Microbiota in Healthy Subjects and Inpatients with <i>Clostridium difficile</i>; Infection. <i>Advances in Microbiology</i> , 2017 , 07, 10-21	0.6	3
71	Cyanobacterial and microeukaryotic profiles of healthy, diseased, and dead <i>Millepora alcicornis</i> from the South Atlantic. <i>Diseases of Aquatic Organisms</i> , 2016 , 119, 163-72	1.7	5
70	Transcriptional responses of <i>Arabidopsis thaliana</i> to oil contamination. <i>Environmental and Experimental Botany</i> , 2016 , 127, 63-72	5.9	11
69	Sugarcane trash levels in soil affects the fungi but not bacteria in a short-term field experiment. <i>Brazilian Journal of Microbiology</i> , 2016 , 47, 322-6	2.2	17
68	Antarctic strict anaerobic microbiota from <i>Deschampsia antarctica</i> vascular plants rhizosphere reveals high ecology and biotechnology relevance. <i>Extremophiles</i> , 2016 , 20, 875-884	3	4
67	Liver fluke (<i>Fasciola hepatica</i>) naturally infecting introduced European brown hare (<i>Lepus europaeus</i>) in northern Patagonia: phenotype, prevalence and potential risk. <i>Acta Parasitologica</i> , 2015 , 60, 536-43	1.7	9
66	Microbial diversity and hydrocarbon depletion in low and high diesel-polluted soil samples from Keller Peninsula, South Shetland Islands. <i>Antarctic Science</i> , 2015 , 27, 263-273	1.7	22
65	Probiotic potential of selected lactic acid bacteria strains isolated from Brazilian kefir grains. <i>Journal of Dairy Science</i> , 2015 , 98, 3622-32	4	111
64	Evaluation of soil bioremediation techniques in an aged diesel spill at the Antarctic Peninsula. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 10815-27	5.7	19
63	A novel marine mesocosm facility to study global warming, water quality, and ocean acidification. <i>Ecology and Evolution</i> , 2015 , 5, 4555-66	2.8	25
62	Impact of oil spills on coral reefs can be reduced by bioremediation using probiotic microbiota. <i>Scientific Reports</i> , 2015 , 5, 18268	4.9	59
61	Bacterial and Archaeal Communities Variability Associated with Upwelling and Anthropogenic Pressures in the Protection Area of Arraial do Cabo (Cabo Frio region - RJ). <i>Anais Da Academia Brasileira De Ciencias</i> , 2015 , 87, 1737-50	1.4	4
60	Bioremediation in Antarctic Soils. <i>Journal of Petroleum & Environmental Biotechnology</i> , 2015 , 06,		25
59	Detection of proteases from <i>Sporosarcina aquimarina</i> and <i>Algoriphagus antarcticus</i> isolated from Antarctic soil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015 , 87, 109-19	1.4	8
58	Intercropped silviculture systems, a key to achieving soil fungal community management in eucalyptus plantations. <i>PLoS ONE</i> , 2015 , 10, e0118515	3.7	31
57	Microbiological aspects of biodiesel and biodiesel/diesel blends biodeterioration. <i>International Biodeterioration and Biodegradation</i> , 2015 , 99, 102-114	4.8	32
56	Herpesvirus in the oral cavity of children with leukaemia and its impact on the oral bacterial community profile. <i>Journal of Clinical Pathology</i> , 2015 , 68, 222-8	3.9	2
55	Brazilian Microbiome Project: revealing the unexplored microbial diversity--challenges and prospects. <i>Microbial Ecology</i> , 2014 , 67, 237-41	4.4	87

54	Plastic optical fiber-based biosensor platform for rapid cell detection. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 661-6	11.8	54
53	Aerobic endospore-forming bacteria isolated from Antarctic soils as producers of bioactive compounds of industrial interest. <i>Polar Biology</i> , 2014 , 37, 1121-1131	2	16
52	Climate change affects key nitrogen-fixing bacterial populations on coral reefs. <i>ISME Journal</i> , 2014 , 8, 2272-9	11.9	87
51	Comparison of DNA extraction protocols for microbial communities from soil treated with biochar. <i>Brazilian Journal of Microbiology</i> , 2014 , 45, 175-83	2.2	23
50	Tank bromeliad water: similar or distinct environments for research of bacterial bioactives?. <i>Brazilian Journal of Microbiology</i> , 2014 , 45, 185-92	2.2	9
49	Impact of next generation sequencing techniques in food microbiology. <i>Current Genomics</i> , 2014 , 15, 293-309	2.2	120
48	Diversity of thermophilic bacteria in raw, pasteurized and selectively-cultured milk, as assessed by culturing, PCR-DGGE and pyrosequencing. <i>Food Microbiology</i> , 2013 , 36, 103-11	6	69
47	Tropical Soil Microbial Communities 2013 , 85-95		3
46	Microbiological and chemical characteristics of Brazilian kefir during fermentation and storage processes. <i>Journal of Dairy Science</i> , 2013 , 96, 4149-59	4	61
45	Bacterial Diversity in Rhizosphere Soil from Antarctic Vascular Plants of Admiralty Bay in Maritime Antarctica 2013 , 1105-1112		3
44	Physiological aspects of mangrove (<i>Laguncularia racemosa</i>) grown in microcosms with oil-degrading bacteria and oil contaminated sediment. <i>Environmental Pollution</i> , 2013 , 172, 243-9	9.3	14
43	Mixed plantations can promote microbial integration and soil nitrate increases with changes in the N cycling genes. <i>Soil Biology and Biochemistry</i> , 2013 , 66, 146-153	7.5	54
42	Microbiological, technological and therapeutic properties of kefir: a natural probiotic beverage. <i>Brazilian Journal of Microbiology</i> , 2013 , 44, 341-9	2.2	157
41	Diversity of the candidate phylum Poribacteria in the marine sponge <i>Aplysina fulva</i> . <i>Brazilian Journal of Microbiology</i> , 2013 , 44, 329-34	2.2	6
40	Effect of sugarcane burning or green harvest methods on the Brazilian Cerrado soil bacterial community structure. <i>PLoS ONE</i> , 2013 , 8, e59342	3.7	37
39	Plant and bird presence strongly influences the microbial communities in soils of Admiralty Bay, Maritime Antarctica. <i>PLoS ONE</i> , 2013 , 8, e66109	3.7	16
38	The Use of a Combination of alkB Primers to Better Characterize the Distribution of Alkane-Degrading Bacteria. <i>PLoS ONE</i> , 2013 , 8, e66565	3.7	44
37	Keratinases and sulfide from <i>Bacillus subtilis</i> SLC to recycle feather waste. <i>World Journal of Microbiology and Biotechnology</i> , 2012 , 28, 1259-69	4.4	49

36	Bacterial polycyclic aromatic hydrocarbon ring-hydroxylating dioxygenases (PAH-RHD) encoding genes in different soils from King George Bay, Antarctic Peninsula. <i>Applied Soil Ecology</i> , 2012 , 55, 1-9	5	47
35	Distribution of alkane-degrading bacterial communities in soils from King George Island, Maritime Antarctic. <i>European Journal of Soil Biology</i> , 2012 , 51, 37-44	2.9	29
34	Physical-chemical and microbiological changes in Cerrado Soil under differing sugarcane harvest management systems. <i>BMC Microbiology</i> , 2012 , 12, 170	4.5	23
33	Microbial diversity and anaerobic hydrocarbon degradation potential in an oil-contaminated mangrove sediment. <i>BMC Microbiology</i> , 2012 , 12, 186	4.5	42
32	Comparison of different protocols for the extraction of microbial DNA from reef corals. <i>Brazilian Journal of Microbiology</i> , 2012 , 43, 517-27	2.2	12
31	Assessment of the microbial diversity of Brazilian kefir grains by PCR-DGGE and pyrosequencing analysis. <i>Food Microbiology</i> , 2012 , 31, 215-21	6	160
30	Biodegradation of petroleum hydrocarbons in hypersaline environments. <i>Brazilian Journal of Microbiology</i> , 2012 , 43, 865-72	2.2	44
29	Cellulolytic potential of a novel strain of <i>Paenibacillus</i> sp. isolated from the armored catfish <i>Parotocinclus maculicauda</i> gut. <i>Brazilian Journal of Microbiology</i> , 2011 , 42, 1608-1615	2.2	7
28	Bioremediation of Mangroves Impacted by Petroleum. <i>Water, Air, and Soil Pollution</i> , 2011 , 216, 329-350	2.6	93
27	Biodegradation of feather waste by extracellular keratinases and gelatinases from <i>Bacillus</i> spp. <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 1355-65	4.4	55
26	Bacterial communities reflect the spatial variation in pollutant levels in Brazilian mangrove sediment. <i>Antonie Van Leeuwenhoek</i> , 2011 , 99, 341-54	2.1	45
25	Bacterial structure and characterization of plant growth promoting and oil degrading bacteria from the rhizospheres of mangrove plants. <i>Journal of Microbiology</i> , 2011 , 49, 535-43	3	22
24	Microbial diversity of a Brazilian coastal region influenced by an upwelling system and anthropogenic activity. <i>PLoS ONE</i> , 2011 , 6, e16553	3.7	41
23	Diversity of Bacteria in the Marine Sponge <i>Aplysina fulva</i> in Brazilian Coastal Waters. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 6737-6737	4.8	78
22	Petroleum-degrading enzymes: bioremediation and new prospects. <i>Enzyme Research</i> , 2011 , 2011, 475192-4	2.4	76
21	Mangrove bacterial diversity and the impact of oil contamination revealed by pyrosequencing: bacterial proxies for oil pollution. <i>PLoS ONE</i> , 2011 , 6, e16943	3.7	177
20	Cellulolytic potential of a novel strain of <i>Paenibacillus</i> sp. isolated from the armored catfish <i>Parotocinclus maculicauda</i> gut. <i>Brazilian Journal of Microbiology</i> , 2011 , 42, 1608-15	2.2	3
19	Bacterial diversity in rhizosphere soil from Antarctic vascular plants of Admiralty Bay, maritime Antarctica. <i>ISME Journal</i> , 2010 , 4, 989-1001	11.9	210

18	Bioemulsifier production by <i>Microbacterium</i> sp. strains isolated from mangrove and their application to remove cadmium and zinc from hazardous industrial residue. <i>Brazilian Journal of Microbiology</i> , 2010 , 41, 235-245	2.2	33
17	A decade of land use contributes to changes in the chemistry, biochemistry and bacterial community structures of soils in the Cerrado. <i>Antonie Van Leeuwenhoek</i> , 2010 , 98, 403-13	2.1	39
16	18S rDNA sequences from microeukaryotes reveal oil indicators in mangrove sediment. <i>PLoS ONE</i> , 2010 , 5, e12437	3.7	38
15	Bioemulsifier production by <i>Microbacterium</i> SP. strains isolated from mangrove and their application to remove cadmium and zinc from hazardous industrial residue. <i>Brazilian Journal of Microbiology</i> , 2010 , 41, 235-45	2.2	9
14	Diversity of bacteria in the marine sponge <i>Aplysina fulva</i> in Brazilian coastal waters. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 3331-43	4.8	71
13	Bacterial community profiling of cryogenically ground samples from the apical and coronal root segments of teeth with apical periodontitis. <i>Journal of Endodontics</i> , 2009 , 35, 486-92	4.7	65
12	NOVOS MÉTODOS PARA ANÁLISE DA DIVERSIDADE MICROBIANA EM SISTEMAS DE TRATAMENTO DE RESÍDUOS SÓLIDOS E LÍQUIDOS. <i>Oecologia Australis</i> , 2009 , 13, 631-648	1.6	7
11	Soil bacterial community structure and soil quality in a slash-and-burn cultivation system in Southeastern Brazil. <i>Applied Soil Ecology</i> , 2008 , 38, 100-108	5	28
10	Bacterial community profiles of endodontic abscesses from Brazilian and USA subjects as compared by denaturing gradient gel electrophoresis analysis. <i>Oral Microbiology and Immunology</i> , 2007 , 22, 14-8		58
9	On the use of denaturing gradient gel electrophoresis approach for bacterial identification in endodontic infections. <i>Clinical Oral Investigations</i> , 2007 , 11, 127-32	4.2	29
8	Soil aggregation and bacterial community structure as affected by tillage and cover cropping in the Brazilian Cerrados. <i>Soil and Tillage Research</i> , 2006 , 90, 16-28	6.5	77
7	Diversity and antagonistic potential of <i>Pseudomonas</i> spp. associated to the rhizosphere of maize grown in a subtropical organic farm. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2434-2447	7.5	55
6	Survival of gfp-tagged antagonistic bacteria in the rhizosphere of tomato plants and their effects on the indigenous bacterial community. <i>FEMS Microbiology Ecology</i> , 2006 , 56, 207-18	4.3	69
5	Use of <i>rpoB</i> and 16S rRNA genes to analyse bacterial diversity of a tropical soil using PCR and DGGE. <i>Letters in Applied Microbiology</i> , 2002 , 35, 316-20	2.9	41
4	Extending the natural adaptive capacity of coral holobionts. <i>Nature Reviews Earth & Environment</i> ,	30.2	21
3	Rebuilding Coral Reefs: A Decadal Grand Challenge		8
2	Highly diverse and geographically differentiated Symbiodiniaceae communities associated with the hydrocoral <i>Millepora alcicornis</i> in the Atlantic Ocean. <i>Coral Reefs</i> ,1	4.2	
1	Novel in situ observations of asexual reproduction in the carpet sea anemone, <i>Stichodactyla mertensii</i> (Stichodactylidae, Actiniaria). <i>ZooKeys</i> ,1103, 57-63	1.2	

