

# Vivian H Pellizari

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,210  
citations

201674

27  
h-index

161849

54  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of the Amazon rainforest to agriculture results in biotic homogenization of soil bacterial communities. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 988-993.	7.1	481
2	Bacterial diversity in rhizosphere soil from Antarctic vascular plants of Admiralty Bay, maritime Antarctica. ISME Journal, 2010, 4, 989-1001.	9.8	295
3	Biphenyl-utilizing bacteria and their functional genes in a pine root zone contaminated with polychlorinated biphenyls (PCBs). ISME Journal, 2007, 1, 134-148.	9.8	198
4	Land use change alters functional gene diversity, composition and abundance in Amazon forest soil microbial communities. Molecular Ecology, 2014, 23, 2988-2999.	3.9	152
5	Assessment of contamination by polychlorinated biphenyls and aliphatic and aromatic hydrocarbons in sediments of the Santos and São Vicente Estuary System, São Paulo, Brazil. Marine Pollution Bulletin, 2006, 52, 1804-1816.	5.0	133
6	Prevalence of alkane monooxygenase genes in Arctic and Antarctic hydrocarbon-contaminated and pristine soils. FEMS Microbiology Ecology, 2002, 41, 141-150.	2.7	123
7	Isolation and biological activities of an endophytic <i>Mortierella alpina</i> strain from the Antarctic moss <i>Schistidium antarctici</i> . Extremophiles, 2014, 18, 15-23.	2.3	107
8	A survey of indigenous microbial hydrocarbon degradation genes in soils from Antarctica and Brazil. Canadian Journal of Microbiology, 2004, 50, 323-333.	1.7	99
9	Biogeography of two cold-adapted genera: <i>Psychrobacter</i> and <i>Exiguobacterium</i> . ISME Journal, 2009, 3, 658-665.	9.8	78
10	Isolation of Uncultured Bacteria from Antarctica Using Long Incubation Periods and Low Nutritional Media. Frontiers in Microbiology, 2017, 8, 1346.	3.5	68
11	Aerobiology Over Antarctica – A New Initiative for Atmospheric Ecology. Frontiers in Microbiology, 2016, 7, 16.	3.5	65
12	New <i>alk</i> genes detected in Antarctic marine sediments. Environmental Microbiology, 2009, 11, 669-673.	3.8	63
13	Newcastle disease virus in penguins from King George Island on the Antarctic region. Veterinary Microbiology, 2010, 146, 155-160.	1.9	63
14	Genome Sequence of <i>Exiguobacterium antarcticum</i> B7, Isolated from a Biofilm in Ginger Lake, King George Island, Antarctica. Journal of Bacteriology, 2012, 194, 6689-6690.	2.2	60
15	Fungal diversity in deep-sea sediments associated with asphalt seeps at the Sao Paulo Plateau. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 146, 59-67.	1.4	57
16	A novel cold-adapted and glucose-tolerant GH1 $\beta$ -glucosidase from <i>Exiguobacterium antarcticum</i> B7. International Journal of Biological Macromolecules, 2016, 82, 375-380.	7.5	55
17	<i>UV</i> -resistant yeasts isolated from a high-altitude volcanic area on the Atacama Desert as eukaryotic models for astrobiology. MicrobiologyOpen, 2015, 4, 574-588.	3.0	53
18	Deep-sea mining on the Rio Grande Rise (Southwestern Atlantic): A review on environmental baseline, ecosystem services and potential impacts. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 145, 31-58.	1.4	50

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19	Diversity of hydrocarbon-degrading <i>Klebsiella</i> strains isolated from hydrocarbon-contaminated estuaries. <i>Journal of Applied Microbiology</i> , 2009, 106, 1304-1314.	3.1	44
20	High Prevalence of Gammaproteobacteria in the Sediments of Admiralty Bay and North Bransfield Basin, Northwestern Antarctic Peninsula. <i>Frontiers in Microbiology</i> , 2017, 08, 153.	3.5	40
21	<i>Penicillium solitum</i> : a mesophilic, psychrotolerant fungus present in marine sediments from Antarctica. <i>Polar Biology</i> , 2013, 36, 1823-1831.	1.2	37
22	Culture-independent characterization of novel psychrophilic magnetotactic cocci from Antarctic marine sediments. <i>Environmental Microbiology</i> , 2016, 18, 4426-4441.	3.8	35
23	Phylogenetic Study of <i>Legionella</i> Species in Pristine and Polluted Aquatic Samples from a Tropical Atlantic Forest Ecosystem. <i>Current Microbiology</i> , 2007, 55, 288-293.	2.2	33
24	Surviving in hot and cold: psychrophiles and thermophiles from Deception Island volcano, Antarctica. <i>Extremophiles</i> , 2018, 22, 917-929.	2.3	33
25	Deep-sea plastisphere: Long-term colonization by plastic-associated bacterial and archaeal communities in the Southwest Atlantic Ocean. <i>Science of the Total Environment</i> , 2021, 793, 148335.	8.0	33
26	Discovery of asphalt seeps in the deep Southwest Atlantic off Brazil. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 146, 35-44.	1.4	32
27	Sterols and fecal indicator microorganisms in sediments from Admiralty Bay, Antarctica. <i>Brazilian Journal of Oceanography</i> , 2005, 53, 1-12.	0.6	31
28	Occurrence and Diversity of Legionellaceae in Polar Lakes of the Antarctic Peninsula. <i>Current Microbiology</i> , 2008, 57, 294-300.	2.2	31
29	A Mosaic of Geothermal and Marine Features Shapes Microbial Community Structure on Deception Island Volcano, Antarctica. <i>Frontiers in Microbiology</i> , 2018, 9, 899.	3.5	30
30	Microbial Diversity of Deep-Sea Ferromanganese Crust Field in the Rio Grande Rise, Southwestern Atlantic Ocean. <i>Microbial Ecology</i> , 2021, 82, 344-355.	2.8	27
31	Detection of <i>Cryptosporidium</i> spp. Oocysts in raw sewage and creek water in the city of São Paulo, Brazil. <i>Brazilian Journal of Microbiology</i> , 2002, 33, 41-43.	2.0	27
32	Cladomarine, a new anti-saprolegniasis compound isolated from the deep-sea fungus, <i>Penicillium coralligerum</i> YK-247. <i>Journal of Antibiotics</i> , 2017, 70, 911-914.	2.0	26
33	Pico and nanoplankton abundance and carbon stocks along the Brazilian Bight. <i>PeerJ</i> , 2016, 4, e2587.	2.0	26
34	Spatiotemporal dynamics of marine bacterial and archaeal communities in surface waters off the northern Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 149, 150-160.	1.4	23
35	Biostimulation of metal-resistant microbial consortium to remove zinc from contaminated environments. <i>Science of the Total Environment</i> , 2016, 550, 670-675.	8.0	22
36	Functional diversity of bacterial genes associated with aromatic hydrocarbon degradation in anthropogenic dark earth of Amazonia. <i>Pesquisa Agropecuaria Brasileira</i> , 2012, 47, 654-664.	0.9	21

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37	Omics profiles used to evaluate the gene expression of <i>Exiguobacterium antarcticum</i> B7 during cold adaptation. <i>BMC Genomics</i> , 2014, 15, 986.	2.8	21
38	The Partitioning of Carbon Biomass among the Pico- and Nano-plankton Community in the South Brazilian Bight during a Strong Summer Intrusion of South Atlantic Central Water. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	21
39	Changes of bacterial communities in the rhizosphere of sugarcane under elevated concentration of atmospheric $\text{CO}_2$ . <i>GCB Bioenergy</i> , 2018, 10, 137-145.	5.6	21
40	Enantioselective reduction of ortho-substituted acetophenones by bacterial strains isolated from medium enriched with biphenyl or diesel fuel. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 33, 73-79.	1.8	20
41	Effect of plankton-derived organic matter on the microbial community of coastal marine sediments. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 461, 257-266.	1.5	19
42	Screening of Microorganisms Producing Cold-Active Oxidoreductases to Be Applied in Enantioselective Alcohol Oxidation. An Antarctic Survey. <i>Marine Drugs</i> , 2011, 9, 889-905.	4.6	17
43	Multidisciplinary Scientific Cruise to the Rio Grande Rise. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	17
44	Bacterial diversity in deep-sea sediments under influence of asphalt seep at the São Paulo Plateau. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 707-717.	1.7	17
45	Detection of <i>Cryptosporidium</i> sp. oocysts in groundwater for human consumption in Itaquaquetuba city, S. Paulo-Brazil. <i>Brazilian Journal of Microbiology</i> , 2000, 31, 151-153.	2.0	17
46	Prevalence of alkane monooxygenase genes in Arctic and Antarctic hydrocarbon-contaminated and pristine soils. <i>FEMS Microbiology Ecology</i> , 2002, 41, 141-150.	2.7	16
47	Bathyarchaea occurrence in rich methane sediments from a Brazilian rAa. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 263, 107631.	2.1	16
48	Potential for bioremediation of hydrocarbon polluted soils in the Maritime Antarctic. <i>Antarctic Science</i> , 2006, 18, 335-343.	0.9	15
49	Brazilian research on extremophiles in the context of astrobiology. <i>International Journal of Astrobiology</i> , 2012, 11, 325-333.	1.6	15
50	Quellenin, a new anti-Saprolegnia compound isolated from the deep-sea fungus, <i>Aspergillus</i> sp. YK-76. <i>Journal of Antibiotics</i> , 2018, 71, 741-744.	2.0	15
51	Climate Projections for the Southern Ocean Reveal Impacts in the Marine Microbial Communities Following Increases in Sea Surface Temperature. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
52	Detection of <i>Legionella pneumophila</i> in water and biofilm samples by culture and molecular methods from man-made systems in São Paulo - Brazil. <i>Brazilian Journal of Microbiology</i> , 2007, 38, 743-751.	2.0	12
53	Biotransformations of Mannich bases and propiophenones by Brazilian microorganisms and enzymatic resolution of phenylpropanols by lipase from <i>Candida antarctica</i> (Novozym 435). <i>Enzyme and Microbial Technology</i> , 2007, 40, 362-369.	3.2	12
54	Revealing archaeal diversity patterns and methane fluxes in Admiralty Bay, King George Island, and their association to Brazilian Antarctic Station activities. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 128-138.	1.4	12

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55	Dominance of Epsilonproteobacteria associated with a whale fall at a 4204 m depth – South Atlantic Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 146, 53-58.	1.4	11
56	Development of a static headspace gas chromatographic/mass spectrometric method to analyze the level of volatile contaminants biodegradation. <i>Journal of Chromatography A</i> , 2004, 1048, 67-71.	3.7	11
57	Discovery and biogeochemistry of asphalt seeps in the North São Paulo Plateau, Brazilian Margin. <i>Scientific Reports</i> , 2018, 8, 12619.	3.3	10
58	Occurrence of Methanogenic Archaea in Highly Polluted Sediments of Tropical Santos – São Vicente Estuary (São Paulo, Brazil). <i>Current Microbiology</i> , 2010, 60, 66-70.	2.2	9
59	Methanotrophic Community Detected by DNA-SIP at Bertioga’s Mangrove Area, Southeast Brazil. <i>Microbial Ecology</i> , 2021, 81, 954-964.	2.8	9
60	Discrimination of adenovirus types circulating in urban sewage and surface polluted waters in São Paulo city, Brazil. <i>Water Science and Technology: Water Supply</i> , 2004, 4, 79-85.	2.1	8
61	Complete Genome of a Methanosarcina mazei Strain Isolated from Sediment Samples from an Amazonian Flooded Area. <i>Genome Announcements</i> , 2013, 1, .	0.8	8
62	Isolation and characterization of cellulolytic bacteria from the Stain house Lake, Antarctica. <i>Folia Microbiologica</i> , 2014, 59, 303-306.	2.3	8
63	Environmental Processes, Biodiversity and Changes in Admiralty Bay, King George Island, Antarctica. <i>From Pole To Pole</i> , 2013, , 127-156.	0.1	7
64	Metabolic potential and survival strategies of microbial communities across extreme temperature gradients on Deception Island volcano, Antarctica. <i>Environmental Microbiology</i> , 2021, 23, 4054-4073.	3.8	7
65	Coliphage association with coliform indicators: A case study – Brazil. <i>Toxicity Assessment</i> , 1989, 4, 329-338.	0.6	6
66	Environmental Assessment of Admiralty Bay, King George Island, Antarctica. <i>From Pole To Pole</i> , 2013, , 157-175.	0.1	6
67	Draft Genome Sequence of Haloferax sp. Strain ATB1, Isolated from a Semi-Arid Region in the Brazilian Caatinga. <i>Genome Announcements</i> , 2014, 2, .	0.8	6
68	Editorial: Rich geo- and bio-diversities exist in the South West Atlantic deep-sea: The first human-occupied submersible Shinkai 6500 dive cruise ( lat-pi-na ). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 146, 1-3.	1.4	5
69	Comparison of the presence-absence (P-A) test and conventional methods for detection of bacteriological water quality indicators. <i>Water Research</i> , 1991, 25, 1279-1283.	11.3	4
70	New phylotypes of foraminifera in subtropical Brazilian coastal waters revealed by environmental DNA metabarcoding. <i>Journal of Sedimentary Environments</i> , 2021, 6, 13-23.	1.5	4
71	Metagenome-Assembled Genomes from Monte Cristo Cave (Diamantina, Brazil) Reveal Prokaryotic Lineages As Functional Models for Life on Mars. <i>Astrobiology</i> , 2021, , .	3.0	4
72	Rumen microbial diversity under influence of a polyclonal antibody preparation against lactate-producing and proteolytic bacteria in cows fed different energy sources. <i>Revista Brasileira De Saude E Producao Animal</i> , 2012, 13, 491-502.	0.3	3

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73	Abundance and microbial diversity from surface to deep water layers over the Rio Grande Rise, South Atlantic. <i>Progress in Oceanography</i> , 2022, 201, 102736.	3.2	3
74	Spatial patterns of microbial diversity in Fe-Mn deposits and associated sediments in the Atlantic and Pacific oceans. <i>Science of the Total Environment</i> , 2022, , 155792.	8.0	3
75	Living Foraminifera in a Brazilian Subtropical Coastal Environment (Flamengo Inlet, Ubatuba, SÃ£o Tj ETQq1 1 0.784314 rgBJ /Overlob	0.2	0
76	Microbial perspective on the giant carbonate ridge Alpha Crucis (Southwestern Atlantic upper slope). <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	2
77	Occurrence, Distribution, and Nature of Hydrocarbon-Degrading Genes in Biodegradative Microorganisms from the Antarctic Environment. , 2009, , 339-355.		1
78	Occurrence and Diversity of <i>Legionella pneumophila</i> in Water Samples from the Brazilian Environment. , 0, , 414-416.		0
79	Deep-Sea Microbes in the Southwestern Atlantic. <i>Brazilian Marine Biodiversity</i> , 2020, , 133-151.	0.4	0
80	Taxonomic and functional diversity from Antarctic ice-tephra microbial community: ecological insights and potential for bioprospection. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20210621.	0.8	0