

Milko Alberto Jorquera

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,808
citations

136885

32
h-index

143943

57
g-index

93
all docs

93
docs citations

93
times ranked

4231
citing authors

#	ARTICLE	IF	CITATIONS
1	Airborne bacterial community associated with fine particulate matter (PM2.5) under different air quality indices in Temuco city, southern Chile. <i>Archives of Microbiology</i> , 2022, 204, 148.	1.0	7
2	Composition and Potential Functions of Rhizobacterial Communities in a Pioneer Plant from Andean Altiplano. <i>Diversity</i> , 2022, 14, 14.	0.7	5
3	Suitcase Lab: new, portable, and deployable equipment for rapid detection of specific harmful algae in Chilean coastal waters. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14144-14155.	2.7	8
4	<i>Vibrio</i> sp. ArtGut-C1, a polyhydroxybutyrate producer isolated from the gut of the aquaculture live diet <i>Artemia</i> (Crustacea). <i>Electronic Journal of Biotechnology</i> , 2021, 49, 22-28.	1.2	3
5	Composition and predicted functions of the bacterial community in spouting pool sediments from the El Tatio Geyser field in Chile. <i>Archives of Microbiology</i> , 2021, 203, 389-397.	1.0	3
6	Microbial Diversity of Psychrotolerant Bacteria Isolated from Wild Flora of Andes Mountains and Patagonia of Chile towards the Selection of Plant Growth-Promoting Bacterial Consortia to Alleviate Cold Stress in Plants. <i>Microorganisms</i> , 2021, 9, 538.	1.6	30
7	16S rRNA-Based Analysis Reveals Differences in the Bacterial Community Present in Tissues of <i>Choromytilus chorus</i> (Mytilidae, Bivalvia) Grown in an Estuary and a Bay in Southern Chile. <i>Diversity</i> , 2021, 13, 209.	0.7	2
8	CRISPR loci-PCR as Tool for Tracking <i>Azospirillum</i> sp. Strain B510. <i>Microorganisms</i> , 2021, 9, 1351.	1.6	2
9	Rhizobacteria from "flowering desert" events contribute to the mitigation of water scarcity stress during tomato seedling germination and growth. <i>Scientific Reports</i> , 2021, 11, 13745.	1.6	18
10	Spatiotemporal variations and relationships of phosphorus, phosphomonoesterases, and bacterial communities in sediments from two Chilean rivers. <i>Science of the Total Environment</i> , 2021, 776, 145782.	3.9	17
11	Compost Fungi Allow for Effective Dispersal of Putative PGP Bacteria. <i>Agronomy</i> , 2021, 11, 1567.	1.3	3
12	Diversity, Interaction, and Bioprospecting of Plant-Associated Microbiomes. <i>Diversity</i> , 2020, 12, 390.	0.7	1
13	Airborne bacterial communities of outdoor environments and their associated influencing factors. <i>Environment International</i> , 2020, 145, 106156.	4.8	97
14	Isolation and Characterization of Cold-Tolerant Hyper-ACC-Degrading Bacteria from the Rhizosphere, Endosphere, and Phyllosphere of Antarctic Vascular Plants. <i>Microorganisms</i> , 2020, 8, 1788.	1.6	16
15	Protocols for Monitoring Harmful Algal Blooms for Sustainable Aquaculture and Coastal Fisheries in Chile. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7642.	1.2	17
16	Responses of Microbiological Soil Properties to Intercropping at Different Planting Densities in an Acidic Andisol. <i>Agronomy</i> , 2020, 10, 781.	1.3	8
17	Niche Differentiation in the Composition, Predicted Function, and Co-occurrence Networks in Bacterial Communities Associated With Antarctic Vascular Plants. <i>Frontiers in Microbiology</i> , 2020, 11, 1036.	1.5	34
18	In Situ Cultivation Approach to Increase the Culturable Bacterial Diversity in the Rhizobiome of Plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1411-1426.	1.7	22

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19	Composition, Predicted Functions and Co-occurrence Networks of Rhizobacterial Communities Impacting Flowering Desert Events in the Atacama Desert, Chile. <i>Frontiers in Microbiology</i> , 2020, 11, 571.	1.5	22
20	Editorial: Bioprospecting and Biotechnology of Extremophiles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 204.	2.0	27
21	ACCD-producing rhizobacteria from an Andean Altiplano native plant (<i>Parastrephia quadrangularis</i>) and their potential to alleviate salt stress in wheat seedlings. <i>Applied Soil Ecology</i> , 2019, 136, 184-190.	2.1	56
22	Occurrence of Soil Fungi in Antarctic Pristine Environments. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 28.	2.0	45
23	Phosphobacteria inoculation enhances the benefit of P-fertilization on <i>Lolium perenne</i> in soils contrasting in P-availability. <i>Soil Biology and Biochemistry</i> , 2019, 136, 107516.	4.2	26
24	Antarctic <i>Streptomyces fildesensis</i> So13.3 strain as a promising source for antimicrobials discovery. <i>Scientific Reports</i> , 2019, 9, 7488.	1.6	27
25	Endophytic Bacterial Communities Associated with Roots and Leaves of Plants Growing in Chilean Extreme Environments. <i>Scientific Reports</i> , 2019, 9, 4950.	1.6	68
26	Sorption Kinetics of 2,4-D and Diuron Herbicides in a Urea-Fertilized Andisol. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 313-320.	1.7	11
27	Cellulase and Hemicellulase Activities and Bacterial Community Composition of Different Soils from Algerian Ecosystems. <i>Microbial Ecology</i> , 2019, 77, 713-725.	1.4	21
28	Current opinion and perspectives on the methods for tracking and monitoring plant growth-promoting bacteria. <i>Soil Biology and Biochemistry</i> , 2019, 130, 205-219.	4.2	102
29	Draft genome sequences of bacteria isolated from the <i>Deschampsia antarctica</i> phyllosphere. <i>Extremophiles</i> , 2018, 22, 537-552.	0.9	19
30	Copper immobilization by biochar and microbial community abundance in metal-contaminated soils. <i>Science of the Total Environment</i> , 2018, 616-617, 960-969.	3.9	52
31	Screening and Characterization of Phytases from Bacteria Isolated from Chilean Hydrothermal Environments. <i>Microbial Ecology</i> , 2018, 75, 387-399.	1.4	22
32	Putative Nitrogen-Fixing Bacteria Associated With the Rhizosphere and Root Endosphere of Wheat Plants Grown in an Andisol From Southern Chile. <i>Frontiers in Microbiology</i> , 2018, 9, 2710.	1.5	81
33	Understanding the Strategies to Overcome Phosphorus Deficiency and Aluminum Toxicity by Ryegrass Endophytic and Rhizosphere Phosphobacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 1155.	1.5	21
34	Chilean Geysers And Hotsprings As Source Of Thermotolerant Microbial Phytases. , 2018, , .		0
35	Aluminum-tolerant bacteria improve the plant growth and phosphorus content in ryegrass grown in a volcanic soil amended with cattle dung manure. <i>Applied Soil Ecology</i> , 2017, 115, 19-26.	2.1	67
36	Mycorrhizal inoculation increases genes associated with nitrification and improved nutrient retention in soil. <i>Biology and Fertility of Soils</i> , 2017, 53, 275-279.	2.3	19

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37	Bacterial consortia inoculation mitigates the water shortage and salt stress in an avocado (<i>Persea</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	2.1	24
38	Effect of rhizobacterial consortia from undisturbed arid- and agro-ecosystems on wheat growth under different conditions. <i>Letters in Applied Microbiology</i> , 2017, 64, 158-163.	1.0	22
39	Bacterial community structures and ice recrystallization inhibition activity of bacteria isolated from the phyllosphere of the Antarctic vascular plant <i>Deschampsia antarctica</i> . <i>Polar Biology</i> , 2017, 40, 1319-1331.	0.5	27
40	Screening and Characterization of Potentially Suppressive Soils against <i>Gaeumannomyces graminis</i> under Extensive Wheat Cropping by Chilean Indigenous Communities. <i>Frontiers in Microbiology</i> , 2017, 8, 1552.	1.5	41
41	Bacterial Community Profile of the Gut Microbiota Differs between Hypercholesterolemic Subjects and Controls. <i>BioMed Research International</i> , 2017, 2017, 1-6.	0.9	31
42	Phytase-producing <i>Bacillus</i> sp. inoculation increases phosphorus availability in cattle manure. <i>Journal of Soil Science and Plant Nutrition</i> , 2016, , 0-0.	1.7	8
43	Changes in bacterial communities by post-emergent herbicides in an Andisol fertilized with urea as revealed by DGGE. <i>Applied Soil Ecology</i> , 2016, 101, 141-151.	2.1	15
44	Properties and biotechnological applications of ice-binding proteins in bacteria. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw099.	0.7	38
45	Effect of phosphorus addition on total and alkaline phosphomonoesterase-harboring bacterial populations in ryegrass rhizosphere microsites. <i>Biology and Fertility of Soils</i> , 2016, 52, 1007-1019.	2.3	83
46	Rhizobacterial Community Structures Associated with Native Plants Grown in Chilean Extreme Environments. <i>Microbial Ecology</i> , 2016, 72, 633-646.	1.4	53
47	Urea Fertilizer and pH Influence on Sorption Process of Flumetsulam and MCPA Acidic Herbicides in a Volcanic Soil. <i>Journal of Environmental Quality</i> , 2016, 45, 323-330.	1.0	9
48	Bacterial alkaline phosphomonoesterase in the rhizospheres of plants grown in Chilean extreme environments. <i>Biology and Fertility of Soils</i> , 2016, 52, 763-773.	2.3	54
49	Formulation of bacterial consortia from avocado (<i>Persea americana</i> Mill.) and their effect on growth, biomass and superoxide dismutase activity of wheat seedlings under salt stress. <i>Applied Soil Ecology</i> , 2016, 102, 80-91.	2.1	89
50	Effect of pH on sorption kinetic process of acidic herbicides in a volcanic soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	1.7	4
51	Short-term study shows that phytate-mineralizing rhizobacterial inoculation affects the biomass, phosphorus (P) uptake and rhizosphere properties of cereal plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	1.7	3
52	Effect of fungicides on association of arbuscular mycorrhiza fungus <i>Rhizophagus fasciculatus</i> and		

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55	A novel phosphorus biofertilization strategy using cattle manure treated with phytase-nanoclay complexes. <i>Biology and Fertility of Soils</i> , 2014, 50, 583.	2.3	13
56	Effect of nitrogen and phosphorus fertilization on the composition of rhizobacterial communities of two Chilean Andisol pastures. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 99-107.	1.7	47
57	Microencapsulation by spray drying of nitrogen-fixing bacteria associated with lupin nodules. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 2371-2378.	1.7	33
58	Endophytic bacteria from selenium-supplemented wheat plants could be useful for plant-growth promotion, biofortification and <i>Gaeumannomyces graminis</i> biocontrol in wheat production. <i>Biology and Fertility of Soils</i> , 2014, 50, 983-990.	2.3	104
59	Bacterial community structure and detection of putative plant growth-promoting rhizobacteria associated with plants grown in Chilean agro-ecosystems and undisturbed ecosystems. <i>Biology and Fertility of Soils</i> , 2014, 50, 1141-1153.	2.3	41
60	Bacterial community structures in rhizosphere microsites of ryegrass (<i>Lolium perenne</i> var. Nui) as revealed by pyrosequencing. <i>Biology and Fertility of Soils</i> , 2014, 50, 1253-1266.	2.3	31
61	Phytases and Phytase-Labile Organic Phosphorus in Manures and Soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 916-954.	6.6	74
62	Phytate addition to soil induces changes in the abundance and expression of <i>Bacillus</i> -propeller phytase genes in the rhizosphere. <i>FEMS Microbiology Ecology</i> , 2013, 83, 352-360.	1.3	29
63	Enhanced selenium content in wheat grain by co-inoculation of selenobacteria and arbuscular mycorrhizal fungi: A preliminary study as a potential Se biofortification strategy. <i>Journal of Cereal Science</i> , 2013, 57, 275-280.	1.8	102
64	Production of partially phosphorylated myo-inositol phosphates using phytases immobilised on magnetic nanoparticles. <i>Bioresource Technology</i> , 2013, 142, 375-383.	4.8	27
65	Isolation of phytase-producing bacteria from Himalayan soils and their effect on growth and phosphorus uptake of Indian mustard (<i>Brassica juncea</i>). <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1361-1369.	1.7	97
66	Selenobacteria selected from the rhizosphere as a potential tool for Se biofortification of wheat crops. <i>Biology and Fertility of Soils</i> , 2013, 49, 175-185.	2.3	69
67	A combination of cellular automata and agent-based models for simulating the root surface colonization by bacteria. <i>Ecological Modelling</i> , 2012, 247, 1-10.	1.2	13
68	Plant Growth-Promoting Rhizobacteria Associated with Ancient Clones of Creosote Bush (<i>Larrea</i>)	1.4	78
69	Chlorpyrifos biodegradation and 3,5,6-trichloro-2-pyridinol production by <i>Actinobacteria</i> isolated from soil. <i>International Biodeterioration and Biodegradation</i> , 2012, 73, 1-7.	1.9	124
70	<i>In vitro</i> Activity on Human Gut Bacteria of Murta Leaf Extracts (<i>Ugni molinae</i> turcz.), a Native Plant from Southern Chile. <i>Journal of Food Science</i> , 2012, 77, M323-9.	1.5	11
71	Identification of β -propeller phytase-encoding genes in culturable <i>Paenibacillus</i> and <i>Bacillus</i> spp. from the rhizosphere of pasture plants on volcanic soils. <i>FEMS Microbiology Ecology</i> , 2011, 75, 163-172.	1.3	91
72	Activity stabilization of <i>Aspergillus niger</i> and <i>Escherichia coli</i> phytases immobilized on allophanic synthetic compounds and montmorillonite nanoclays. <i>Bioresource Technology</i> , 2011, 102, 9360-9367.	4.8	68

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73	Novel three-phase bioreactor concept for fatty acid alkyl ester production using <i>R. oryzae</i> as whole cell catalyst. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 2505-2512.	1.7	8
74	Influence of nitrogen fertilisation on pasture culturable rhizobacteria occurrence and the role of environmental factors on their potential PGPR activities. <i>Biology and Fertility of Soils</i> , 2011, 47, 875-885.	2.3	31
75	Innovative approaches for effective selection of lipase-producing microorganisms as whole cell catalysts for biodiesel production. <i>New Biotechnology</i> , 2011, 28, 375-381.	2.4	8
76	MECHANISMS AND PRACTICAL CONSIDERATIONS INVOLVED IN PLANT GROWTH PROMOTION BY RHIZOBACTERIA. <i>Journal of Soil Science and Plant Nutrition</i> , 2010, 10, .	1.7	423
77	Effect of cow slurry amendment on atrazine dissipation and bacterial community structure in an agricultural Andisol. <i>Science of the Total Environment</i> , 2010, 408, 2833-2839.	3.9	30
78	Bioremediation of soil contaminated with pentachlorophenol by <i>Anthracophyllum discolor</i> and its effect on soil microbial community. <i>Journal of Hazardous Materials</i> , 2010, 181, 315-323.	6.5	61
79	Detection of aluminium tolerance plasmids and microbial diversity in the rhizosphere of plants grown in acidic volcanic soil. <i>European Journal of Soil Biology</i> , 2010, 46, 255-263.	1.4	20
80	Dynamics of phosphorus and phytate-utilizing bacteria during aerobic degradation of dairy cattle dung. <i>Chemosphere</i> , 2009, 74, 325-331.	4.2	23
81	Genetic diversity of <i>Sinorhizobium meliloti</i> associated with alfalfa in Chilean volcanic soils and their symbiotic effectiveness under acidic conditions. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 301-308.	1.7	11
82	Isolation of culturable phosphobacteria with both phytate-mineralization and phosphate-solubilization activity from the rhizosphere of plants grown in a volcanic soil. <i>Biology and Fertility of Soils</i> , 2008, 44, 1025-1034.	2.3	211
83	Current and Future Biotechnological Applications of Bacterial Phytases and Phytase-Producing Bacteria. <i>Microbes and Environments</i> , 2008, 23, 182-191.	0.7	149
84	Stimulatory Effect of Glutamine and Pyruvate on Plasmid Transfer between <i>Pseudomonas</i> Strains. <i>Microbes and Environments</i> , 2007, 22, 320-326.	0.7	6
85	A Combination of Direct Viable Counting, Fluorescence in situ Hybridization, and Green Fluorescent Protein Gene Expression for Estimating Plasmid Transfer at the Single Cell Level. <i>Microbes and Environments</i> , 2006, 21, 101-111.	0.7	6
86	Bacteria of subclass $\hat{\Gamma}^3$ -Proteobacteria associated with commercial <i>Argopecten purpuratus</i> (Lamarck,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	12
87	Disinfection of seawater for hatchery aquaculture systems using electrolytic water treatment. <i>Aquaculture</i> , 2002, 207, 213-224.	1.7	62
88	Addition of inhibitor-producing bacteria to mass cultures of <i>Argopecten purpuratus</i> larvae (Lamarck,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	63
89	Bacteria in the culture of the scallop <i>Argopecten purpuratus</i> (Lamarck, 1819). <i>Aquaculture International</i> , 2001, 9, 285-303.	1.1	27
90	Title is missing!. <i>Aquaculture International</i> , 2000, 7, 433-448.	1.1	21