

MarÃ-a Eugenia FarÃ-as

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3722778/publications.pdf>

Version: 2024-02-01

90
papers

3,087
citations

126901

33
h-index

182417

51
g-index

95
all docs

95
docs citations

95
times ranked

2679
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremophiles as Plant Probiotics to Promote Germination and Alleviate Salt Stress in Soybean. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 946-959.	5.1	4
2	Lithifying and Non-Lithifying Microbial Ecosystems in the Wetlands and Salt Flats of the Central Andes. <i>Microbial Ecology</i> , 2022, 83, 1-17.	2.8	16
3	Diatom and Invertebrate Assemblages in High Altitude Saline Wetlands of the Argentinian Puna and their Relation to Environmental Factors. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, .	0.8	0
4	Proteomic Signatures of Microbial Adaptation to the Highest Ultraviolet-Irradiation on Earth: Lessons From a Soil Actinobacterium. <i>Frontiers in Microbiology</i> , 2022, 13, 791714.	3.5	1
5	Ecological variability based on lipid biomarkers in astrobiologically interesting wetlands from the Argentinian central Andes. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	2.7	4
6	Community Vertical Composition of the Laguna Negra Hypersaline Microbial Mat, Puna Region (Argentinean Andes). <i>Biology</i> , 2022, 11, 831.	2.8	6
7	Increasing knowledge of the denizens of saline environments through integrative taxonomy: new Argentinian endemic taxa of <i>Liolaemus</i> (Iguania: Liolaemidae) and their evolutionary relationships. <i>Systematics and Biodiversity</i> , 2021, 19, 135-167.	1.2	5
8	Carbon fixation and rhodopsin systems in microbial mats from hypersaline lakes Brava and Tebenquiche, Salar de Atacama, Chile. <i>PLoS ONE</i> , 2021, 16, e0246656.	2.5	12
9	Short-term microbialite resurgence as indicator of ecological resilience against crises (Catamarca, Argentina). <i>Frontiers in Microbiology</i> , 2021, 12, 784314.	2.4	8
10	Genomic insights into an andean multiresistant soil actinobacterium of biotechnological interest. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 166.	3.6	4
11	Geobiology of Andean Microbial Ecosystems Discovered in Salar de Atacama, Chile. <i>Frontiers in Microbiology</i> , 2021, 12, 762076.	3.5	6
12	Assessment of the plasmidome of an extremophilic microbial community from the Diamante Lake, Argentina. <i>Scientific Reports</i> , 2021, 11, 21459.	3.3	2
13	Andean Microbial Ecosystems: Traces in Hypersaline Lakes About Life Origin. <i>Cuatro Ciénegas Basin: an Endangered Hyperdiverse Oasis</i> , 2020, , 167-181.	0.4	5
14	Modern arsenotrophic microbial mats provide an analogue for life in the anoxic Archean. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	24
15	Geochemical evidence for arsenic cycling in living microbialites of a High Altitude Andean Lake (Laguna Diamante, Argentina). <i>Chemical Geology</i> , 2020, 549, 119681.	3.3	11
16	First Report on the Plasmidome From a High-Altitude Lake of the Andean Puna. <i>Frontiers in Microbiology</i> , 2020, 11, 1343.	3.5	17
17	Novel Genes Involved in Resistance to Both Ultraviolet Radiation and Perchlorate From the Metagenomes of Hypersaline Environments. <i>Frontiers in Microbiology</i> , 2020, 11, 453.	3.5	10
18	Complete Characterization of Stratified Ecosystems of the Salar de Llamara (Atacama Desert)., 2020, , 153-164.		4

#	ARTICLE	IF	CITATIONS
19	Extreme Microbiology at Laguna Socompa: A High-Altitude Andean Lake (3570 m.a.s.l.) in Salta, Argentina. , 2020 , 205-220.		4
20	Mats and Microbialites from Laguna La Brava. , 2020 , 221-230.		4
21	Integral Prospection of Andean Microbial Ecosystem Project. , 2020 , 245-260.		7
22	Arsenic and Its Biological Role: From Early Earth to Current Andean Microbial Ecosystems. , 2020 , 275-284.		5
23	Modern Microbial Mats and Endoevaporite Systems in Andean Lakes: A General Approach. , 2020 , 21-33.		8
24	A Unique Natural Laboratory to Study Polyextremophile Microorganisms: Diamante Lake as a Window to the Origin of Life. , 2020 , 113-120.		2
25	Prokaryotic Diversity at the Hypersaline Laguna Tebenquiche in the Salar de Atacama, Chile. , 2020 , 141-152.		2
26	Microbial Characterization of Andean Peatland's Soil. , 2020 , 87-93.		1
27	Characterization of <i>Salinivibrio socompensis</i> sp. nov., A New Halophilic Bacterium Isolated from the High-Altitude Hypersaline Lake Socompa, Argentina. <i>Microorganisms</i> , 2019, 7, 241.	3.6	20
28	Polyextremophilic Bacteria from High Altitude Andean Lakes: Arsenic Resistance Profiles and Biofilm Production. <i>BioMed Research International</i> , 2019, 2019, 1-11.	1.9	15
29	Photolyases and Cryptochromes in UV-resistant Bacteria from High-Altitude Andean Lakes. <i>Photochemistry and Photobiology</i> , 2019, 95, 315-330.	2.5	24
30	Genomic comparison between members of the <i>Salinibacteraceae</i> family, and description of a new species of <i>Salinibacter</i> (<i>Salinibacter altiplanensis</i> sp. nov.) isolated from high altitude hypersaline environments of the Argentinian Altiplano. <i>Systematic and Applied Microbiology</i> , 2018, 41, 198-212.	2.8	29
31	Biogeographical patterns of bacterial and archaeal communities from distant hypersaline environments. <i>Systematic and Applied Microbiology</i> , 2018, 41, 139-150.	2.8	39
32	Haloarchaea from the Andean Puna: Biological Role in the Energy Metabolism of Arsenic. <i>Microbial Ecology</i> , 2018, 76, 695-705.	2.8	35
33	Characterization of <i>Rhodococcus</i> sp. A5wh isolated from a high altitude Andean lake to unravel the survival strategy under lithium stress. <i>Revista Argentina De Microbiologia</i> , 2018, 50, 311-322.	0.7	11
34	Calcium Carbonate Precipitation in Diatom-rich Microbial Mats: The Laguna Negra Hypersaline Lake, Catamarca, Argentina. <i>Journal of Sedimentary Research</i> , 2018, 88, 727-742.	1.6	44
35	Distribution, redox state and (bio)geochemical implications of arsenic in present day microbialites of Laguna Brava, Salar de Atacama. <i>Chemical Geology</i> , 2018, 490, 13-21.	3.3	41
36	Arsenic metabolism in high altitude modern stromatolites revealed by metagenomic analysis. <i>Scientific Reports</i> , 2017, 7, 1024.	3.3	75

#	ARTICLE	IF	CITATIONS
37	UV-Resistant Actinobacteria from High-Altitude Andean Lakes: Isolation, Characterization and Antagonistic Activities. <i>Photochemistry and Photobiology</i> , 2017, 93, 865-880.	2.5	36
38	Transition boundaries for protistan species turnover in hypersaline waters of different biogeographic regions. <i>Environmental Microbiology</i> , 2017, 19, 3186-3200.	3.8	27
39	Stratified Bacterial Diversity along Physico-chemical Gradients in High-Altitude Modern Stromatolites. <i>Frontiers in Microbiology</i> , 2017, 8, 646.	3.5	24
40	The genomic sequence of <i>Exiguobacterium chiriquicha</i> str. N139 reveals a species that thrives in cold waters and extreme environmental conditions. <i>PeerJ</i> , 2017, 5, e3162.	2.0	27
41	Prokaryotic diversity and biogeochemical characteristics of benthic microbial ecosystems at La Brava, a hypersaline lake at Salar de Atacama, Chile. <i>PLoS ONE</i> , 2017, 12, e0186867.	2.5	45
42	Microbial Diversity in Sediment Ecosystems (Evaporites Domes, Microbial Mats, and Crusts) of Hypersaline Laguna Tebenquiche, Salar de Atacama, Chile. <i>Frontiers in Microbiology</i> , 2016, 7, 1284.	3.5	79
43	Native Killer Yeasts as Biocontrol Agents of Postharvest Fungal Diseases in Lemons. <i>PLoS ONE</i> , 2016, 11, e0165590.	2.5	68
44	Forged Under the Sun: Life and Art of Extremophiles from Andean Lakes. <i>Photochemistry and Photobiology</i> , 2016, 92, 14-28.	2.5	58
45	<i>Halopeptonella vilamensis</i> gen. nov., sp. nov., a halophilic strictly aerobic bacterium of the family Ectothiorhodospiraceae. <i>Extremophiles</i> , 2016, 20, 19-25.	2.3	18
46	Metagenomic study of red biofilms from Diamante Lake reveals ancient arsenic bioenergetics in haloarchaea. <i>ISME Journal</i> , 2016, 10, 299-309.	9.8	90
47	Bacterial Diversity in Microbial Mats and Sediments from the Atacama Desert. <i>Microbial Ecology</i> , 2016, 71, 44-56.	2.8	68
48	KatG, the Bifunctional Catalase of <i>Xanthomonas citri</i> subsp. <i>citri</i> , Responds to Hydrogen Peroxide and Contributes to Epiphytic Survival on Citrus Leaves. <i>PLoS ONE</i> , 2016, 11, e0151657.	2.5	22
49	Functional Green-Tuned Proteorhodopsin from Modern Stromatolites. <i>PLoS ONE</i> , 2016, 11, e0154962.	2.5	19
50	Genome comparison of two <i>Exiguobacterium</i> strains from high altitude andean lakes with different arsenic resistance: identification and 3D modeling of the Acr3 efflux pump. <i>Frontiers in Environmental Science</i> , 2015, 3, .	3.3	54
51	Genomic and proteomic evidences unravel the UV-resistome of the poly-extremophile <i>Acinetobacter</i> sp. Ver3. <i>Frontiers in Microbiology</i> , 2015, 06, 328.	3.5	53
52	High-Up: A Remote Reservoir of Microbial Extremophiles in Central Andean Wetlands. <i>Frontiers in Microbiology</i> , 2015, 6, 1404.	3.5	80
53	Strategies and approaches in plasmidome studies—uncovering plasmid diversity disregarding of linear elements?. <i>Frontiers in Microbiology</i> , 2015, 6, 463.	3.5	42
54	Complete Genome Sequence of the Linear Plasmid pJD12 Hosted by <i>Micrococcus</i> sp. D12, Isolated from a High-Altitude Volcanic Lake in Argentina. <i>Genome Announcements</i> , 2015, 3, .	0.8	11

#	ARTICLE	IF	CITATIONS
55	Diurnal variation in bacterioplankton composition and DNA damage in the microbial community from an Andean oligotrophic lake. <i>Revista Argentina De Microbiología</i> , 2014, 46, 358-362.	0.7	4
56	Draft Genome Sequence of the Polyextremophilic <i>Halorubrum</i> sp. Strain AJ67, Isolated from Hyperarsenic Lakes in the Argentinian Puna. <i>Genome Announcements</i> , 2014, 2, .	0.8	12
57	Triacylglycerol accumulation and oxidative stress in <i>Rhodococcus</i> species: differential effects of pro-oxidants on lipid metabolism. <i>Extremophiles</i> , 2014, 18, 375-384.	2.3	27
58	Genomic and phenotypic attributes of novel <i>salinivibrios</i> from stromatolites, sediment and water from a high altitude lake. <i>BMC Genomics</i> , 2014, 15, 473.	2.8	43
59	First characterisation of a CPD-class I photolyase from a UV-resistant extremophile isolated from High-Altitude Andean Lakes. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 739-751.	2.9	32
60	Microbial Characterization of Microbial Ecosystems Associated to Evaporites Domes of Gypsum in Salar de Llamara in Atacama Desert. <i>Microbial Ecology</i> , 2014, 68, 483-494.	2.8	68
61	Extrachromosomal genetic elements in <i>Micrococcus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 63-75.	3.6	36
62	Peritidal cyclic sedimentation from La Manga Formation (Oxfordian), Neuquén Basin, Mendoza, Argentina. <i>Journal of South American Earth Sciences</i> , 2013, 47, 1-11.	1.4	15
63	Lipid storage in high-altitude Andean Lakes extremophiles and its mobilization under stress conditions in <i>Rhodococcus</i> sp. A5, a UV-resistant actinobacterium. <i>Extremophiles</i> , 2013, 17, 217-227.	2.3	60
64	The Discovery of Stromatolites Developing at 3570 m above Sea Level in a High-Altitude Volcanic Lake Socompa, Argentinean Andes. <i>PLoS ONE</i> , 2013, 8, e53497.	2.5	118
65	Proteomic approach of adaptive response to arsenic stress in <i>Exiguobacterium</i> sp. S17, an extremophile strain isolated from a high-altitude Andean Lake stromatolite. <i>Extremophiles</i> , 2013, 17, 421-431.	2.3	68
66	Complete Genome Sequence of pAP13, a Large Linear Plasmid of a <i>Brevibacterium</i> Strain Isolated from a Saline Lake at 4,200 Meters above Sea Level in Argentina. <i>Genome Announcements</i> , 2013, 1, .	0.8	14
67	Draft Genome Sequence of the Polyextremophilic <i>Exiguobacterium</i> sp. Strain S17, Isolated from Hyperarsenic Lakes in the Argentinian Puna. <i>Genome Announcements</i> , 2013, 1, .	0.8	57
68	The potential for microbial life in the highest (>6000 m.a.s.l.) mineral soils of the Atacama region. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	67
69	Extremophilic <i>Acinetobacter</i> Strains from High-Altitude Lakes in Argentinean Puna: Remarkable UV-B Resistance and Efficient DNA Damage Repair. <i>Origins of Life and Evolution of Biospheres</i> , 2012, 42, 201-221.	1.9	62
70	UVB Photoprotective Role of Mycosporines in Yeast: Photostability and Antioxidant Activity of Mycosporine-Glutaminol-Glucoside. <i>Radiation Research</i> , 2011, 175, 44-50.	1.5	43
71	Modern Stromatolite Ecosystems at Alkaline and Hypersaline High-Altitude Lakes in the Argentinean Puna. <i>Cellular Origin and Life in Extreme Habitats</i> , 2011, , 427-441.	0.3	20
72	Genome Sequence of <i>Sphingomonas</i> sp. S17, Isolated from an Alkaline, Hyperarsenic, and Hypersaline Volcano-Associated Lake at High Altitude in the Argentinean Puna. <i>Journal of Bacteriology</i> , 2011, 193, 3686-3687.	2.2	38

#	ARTICLE	IF	CITATIONS
73	UV-resistant <i>Acinetobacter</i> sp. isolates from Andean wetlands display high catalase activity. <i>FEMS Microbiology Letters</i> , 2011, 317, 181-189.	1.8	42
74	<i>Halomonas vilamensis</i> sp. nov., isolated from high-altitude Andean lakes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1211-1217.	1.7	24
75	Structural peculiarities of linear megaplasmid, pLMA1, from <i>Micrococcus luteus</i> interfere with pyrosequencing reads assembly. <i>Biotechnology Letters</i> , 2010, 32, 1853-1862.	2.2	14
76	First report of linear megaplasms in the genus <i>Micrococcus</i> . <i>Plasmid</i> , 2010, 63, 40-45.	1.4	24
77	Novel linear megaplasmid from <i>Brevibacterium</i> sp. isolated from extreme environment. <i>Journal of Basic Microbiology</i> , 2010, 50, 280-284.	3.3	23
78	Photoprotection by carotenoid pigments in the yeast <i>Rhodotorula mucilaginosa</i> : the role of torularhodin. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1145-1151.	2.9	91
79	Molecular characterization and in situ detection of bacterial communities associated with rhizosphere soil of high altitude native Poaceae from the Andean Puna region. <i>Journal of Arid Environments</i> , 2010, 74, 1177-1185.	2.4	15
80	Isolation of Bacteria from Remote High Altitude Andean Lakes Able to Grow in the Presence of Antibiotics. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2009, 4, 66-76.	0.8	47
81	Isolation of UV-B resistant bacteria from two high altitude Andean lakes (4,400 m) with saline and non saline conditions. <i>Journal of General and Applied Microbiology</i> , 2009, 55, 447-458.	0.7	71
82	Extremophile Culture Collection from Andean Lakes: Extreme Pristine Environments that Host a Wide Diversity of Microorganisms with Tolerance to UV Radiation. <i>Microbial Ecology</i> , 2009, 58, 461-473.	2.8	121
83	Impact of solar radiation on bacterioplankton in Laguna Vilama, a hypersaline Andean lake (4650 m). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
84	Occurrence of Resistance to Antibiotics, UV-B, and Arsenic in Bacteria Isolated from Extreme Environments in High-Altitude (Above 4400m) Andean Wetlands. <i>Current Microbiology</i> , 2008, 56, 510-517.	2.2	119
85	Role of Polyphosphates in Microbial Adaptation to Extreme Environments. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5867-5874.	3.1	179
86	Investigating microbial diversity and UV radiation impact at the high-altitude Lake Aguas Calientes, Chile. <i>Proceedings of SPIE</i> , 2007, , .	0.8	12
87	Solar UV radiation modulates daily production and DNA damage of marine bacterioplankton from a productive upwelling zone (36°S), Chile. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 343, 82-95.	1.5	29
88	Diverse UV-B Resistance of Culturable Bacterial Community from High-Altitude Wetland Water. <i>Current Microbiology</i> , 2006, 52, 359-362.	2.2	67
89	Features of the Plasmid pMV158-encoded MobM, a Protein Involved in its Mobilization. <i>Journal of Molecular Biology</i> , 2004, 335, 733-743.	4.2	26
90	The tra Region of the Conjugative Plasmid pIP501 Is Organized in an Operon with the First Gene Encoding the Relaxase. <i>Journal of Bacteriology</i> , 2002, 184, 1801-1805.	2.2	38