

Luisa I FalcÃ³n

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,596
citations

394421

19
h-index

189892

50
g-index

60
all docs

60
docs citations

60
times ranked

5229
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in the sediment microbial community structure of coastal and inland sinkholes of a karst ecosystem from the Yucatan peninsula. <i>Scientific Reports</i> , 2022, 12, 1110.	3.3	11
2	Assessing the Diversity of Benthic Sulfate-Reducing Microorganisms in Northwestern Gulf of Mexico by Illumina Sequencing of <i>dsrB</i> Gene. <i>Microbial Ecology</i> , 2021, 81, 908-921.	2.8	6
3	Depth Related Structure and Microbial Composition of Microbialites in a Karst Sinkhole, Cenote Azul, Mexico. <i>Geomicrobiology Journal</i> , 2021, 38, 237-251.	2.0	2
4	Cyanobacteria in microbialites of Alchichica Crater Lake: a polyphasic characterization. <i>European Journal of Phycology</i> , 2021, 56, 428-443.	2.0	8
5	Antarctic Bacteria in Microbial Mats From King George Island, Maritime Antarctica. , 2021, , 171-183.		0
6	<i>Tapirus bairdii</i> -Associated Fecal Microbiome from a Critical Conservation Area: Calakmul, MÃ©xico. <i>Current Microbiology</i> , 2021, 78, 2648-2659.	2.2	4
7	Nematode fauna associated with freshwater microbialites in Bacalar Lake, Quintana Roo, Mexico. <i>Limnology</i> , 2021, 22, 347-355.	1.5	2
8	Metagenomic strategies identify diverse integronâ€”integrase and antibiotic resistance genes in the Antarctic environment. <i>MicrobiologyOpen</i> , 2021, 10, e1219.	3.0	18
9	Alveolar microbiota profile in patients with human pulmonary tuberculosis and interstitial pneumonia. <i>Microbial Pathogenesis</i> , 2020, 139, 103851.	2.9	30
10	Gut Microbiome in Children from Indigenous and Urban Communities in MÃ©xico: Different Subsistence Models, Different Microbiomes. <i>Microorganisms</i> , 2020, 8, 1592.	3.6	13
11	Geographical separation and physiology drive differentiation of microbial communities of two discrete populations of the bat <i>Leptonycteris yerbabuena</i> . <i>MicrobiologyOpen</i> , 2020, 9, 1113-1127.	3.0	15
12	The microbiome of modern microbialites in Bacalar Lagoon, Mexico. <i>PLoS ONE</i> , 2020, 15, e0230071.	2.5	18
13	Disturbance in human gut microbiota networks by parasites and its implications in the incidence of depression. <i>Scientific Reports</i> , 2020, 10, 3680.	3.3	22
14	Temporal analysis of the microbial communities in a nitrate-contaminated aquifer and the co-occurrence of anammox, n-damo and nitrous-oxide reducing bacteria. <i>Journal of Contaminant Hydrology</i> , 2020, 234, 103657.	3.3	13
15	Metagenome of <i>Acropora palmata</i> coral rubble: Potential metabolic pathways and diversity in the reef ecosystem. <i>PLoS ONE</i> , 2019, 14, e0220117.	2.5	15
16	Fecal microbiota of different reproductive stages of the central population of the lesser-long nosed bat, <i>Leptonycteris yerbabuena</i> . <i>PLoS ONE</i> , 2019, 14, e0219982.	2.5	15
17	Detection of presumed genes encoding beta-lactamases by sequence based screening of metagenomes derived from Antarctic microbial mats. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	5
18	Methods for extracting 'omes from microbialites. <i>Journal of Microbiological Methods</i> , 2019, 160, 1-10.	1.6	10

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19	Microbiota composition of the dorsal patch of reproductive male <i>Leptoncyteris yerbabuenae</i> . PLoS ONE, 2019, 14, e0226239.	2.5	13
20	Microbial distribution and turnover in Antarctic microbial mats highlight the relevance of heterotrophic bacteria in low-nutrient environments. FEMS Microbiology Ecology, 2018, 94, .	2.7	19
21	Exploring Biogeochemistry and Microbial Diversity of Extant Microbialites in Mexico and Cuba. Frontiers in Microbiology, 2018, 9, 510.	3.5	29
22	Microbial dynamics in anaerobic digestion reactors for treating organic urban residues during the start-up process. Letters in Applied Microbiology, 2017, 64, 438-445.	2.2	27
23	Phylotype Dynamics of Bacterial P Utilization Genes in Microbialites and Bacterioplankton of a Monomictic Endorheic Lake. Microbial Ecology, 2017, 73, 296-309.	2.8	14
24	Genetic diversity associated with N-cycle pathways in microbialites from Lake Alchichica, Mexico. Aquatic Microbial Ecology, 2017, 78, 121-133.	1.8	13
25	Metabolic potential of microbial mats and microbialites: Autotrophic capabilities described by an <i>in silico</i> stoichiometric approach from shared genomic resources. Journal of Bioinformatics and Computational Biology, 2016, 14, 1650020.	0.8	11
26	Microbial composition of biofilms associated with lithifying rubble of <i>Acropora palmatabranches</i> . FEMS Microbiology Ecology, 2016, 92, fiv162.	2.7	10
27	Habitat conditions drive phylogenetic structure of dominant bacterial phyla of microbialite communities from different locations in Mexico. Revista De Biología Tropical, 2016, 64, 1057-65.	0.4	7
28	Phyllostomid bat microbiome composition is associated to host phylogeny and feeding strategies. Frontiers in Microbiology, 2015, 6, 447.	3.5	92
29	Metabolic analysis of <i>Chlorobium chlorochromatii</i> CaD3 reveals clues of the symbiosis in <i>Chlorochromatium aggregatum</i> . ISME Journal, 2014, 8, 991-998.	9.8	13
30	Characterization and comparison of potential denitrifiers in microbial mats from King George Island, Maritime Antarctica. Polar Biology, 2014, 37, 403-416.	1.2	17
31	Alkaline phosphatases in microbialites and bacterioplankton from Alchichica soda lake, Mexico. FEMS Microbiology Ecology, 2014, 90, n/a-n/a.	2.7	33
32	N_2 fixation rates and associated diversity (<i>nifH</i>) of microbialite and mat-forming consortia from different aquatic environments in Mexico. Aquatic Microbial Ecology, 2012, 67, 15-24.	1.8	26
33	Microbialite genetic diversity and composition relate to environmental variables. FEMS Microbiology Ecology, 2012, 82, 724-735.	2.7	46
34	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. Earth System Science Data, 2012, 4, 47-73.	9.9	315
35	Phylogenetic and molecular clock inferences of cyanobacterial strains within Rivulariaceae from distant environments. FEMS Microbiology Letters, 2011, 316, 90-99.	1.8	22
36	Dating the cyanobacterial ancestor of the chloroplast. ISME Journal, 2010, 4, 777-783.	9.8	134

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37	Evidence of biogeography in surface ocean bacterioplankton assemblages. <i>Marine Genomics</i> , 2008, 1, 55-61.	1.1	12
38	Metabolic Symbiosis and the Birth of the Plant Kingdom. <i>Molecular Biology and Evolution</i> , 2008, 25, 795-795.	8.9	2
39	Metabolic Symbiosis and the Birth of the Plant Kingdom. <i>Molecular Biology and Evolution</i> , 2008, 25, 536-548.	8.9	153
40	Nitrogen fixation by symbiotic cyanobacteria provides a source of nitrogen for the scleractinian coral <i>Montastraea cavernosa</i> . <i>Marine Ecology - Progress Series</i> , 2007, 346, 143-152.	1.9	235
41	The Sorcerer II Global Ocean Sampling Expedition: Northwest Atlantic through Eastern Tropical Pacific. <i>PLoS Biology</i> , 2007, 5, e77.	5.6	1,757
42	Nitrogen Fixation in Microbial Mat and Stromatolite Communities from Cuatro Ciénegas, Mexico. <i>Microbial Ecology</i> , 2007, 54, 363-373.	2.8	29
43	Heterotrophic dinitrogen fixation (acetylene reduction) in phosphate-fertilised <i>Microcoleus chthonoplastes</i> microbial mat from the hypersaline inland lake 'La Salada de Chiprana' (NE Spain). <i>Hydrobiologia</i> , 2005, 534, 245-253.	2.0	21
44	Growth kinetics of marine unicellular N ₂ -fixing cyanobacterial isolates in continuous culture in relation to phosphorus and temperature. <i>Marine Ecology - Progress Series</i> , 2005, 285, 3-9.	1.9	44
45	N ₂ Fixation by Unicellular Bacterioplankton from the Atlantic and Pacific Oceans: Phylogeny and In Situ Rates. <i>Applied and Environmental Microbiology</i> , 2004, 70, 765-770.	3.1	163
46	ULTRASTRUCTURE OF UNICELLULAR N ₂ -FIXING CYANOBACTERIA FROM THE TROPICAL NORTH ATLANTIC AND SUBTROPICAL NORTH PACIFIC OCEANS. <i>Journal of Phycology</i> , 2004, 40, 1074-1078.	2.3	16
47	Diversity of Diazotrophic Unicellular Cyanobacteria in the Tropical North Atlantic Ocean. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5760-5764.	3.1	73
48	Nitrogen fixation patterns displayed by cyanobacterial consortia in Alchichica crater-lake, Mexico. <i>Hydrobiologia</i> , 2002, 467, 71-78.	2.0	25
49	The Role of Microorganisms in the Methane Cycle. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	5
50	Microbialites: What on Earth?. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	1