Luisa I FalcÃ³n

List of Publications by Year
in descending order

50	3,596	394421 19	189892 50
papers	citations	h-index	g-index

60	60	60	5229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Sorcerer II Global Ocean Sampling Expedition: Northwest Atlantic through Eastern Tropical Pacific. PLoS Biology, 2007, 5, e77.	5.6	1,757
2	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. Earth System Science Data, 2012, 4, 47-73.	9.9	315
3	Nitrogen fixation by symbiotic cyanobacteria provides a source of nitrogen for the scleractinian coral Montastraea cavernosa. Marine Ecology - Progress Series, 2007, 346, 143-152.	1.9	235
4	N 2 Fixation by Unicellular Bacterioplankton from the Atlantic and Pacific Oceans: Phylogeny and In Situ Rates. Applied and Environmental Microbiology, 2004, 70, 765-770.	3.1	163
5	Metabolic Symbiosis and the Birth of the Plant Kingdom. Molecular Biology and Evolution, 2008, 25, 536-548.	8.9	153
6	Dating the cyanobacterial ancestor of the chloroplast. ISME Journal, 2010, 4, 777-783.	9.8	134
7	Phyllostomid bat microbiome composition is associated to host phylogeny and feeding strategies. Frontiers in Microbiology, 2015, 6, 447.	3.5	92
8	Diversity of Diazotrophic Unicellular Cyanobacteria in the Tropical North Atlantic Ocean. Applied and Environmental Microbiology, 2002, 68, 5760-5764.	3.1	73
9	Microbialite genetic diversity and composition relate to environmental variables. FEMS Microbiology Ecology, 2012, 82, 724-735.	2.7	46
10	Growth kinetics of marine unicellular N2-fixing cyanobacterial isolates in continuous culture in relation to phosphorus and temperature. Marine Ecology - Progress Series, 2005, 285, 3-9.	1.9	44
11	Alkaline phosphatases in microbialites and bacterioplankton from Alchichica soda lake, Mexico. FEMS Microbiology Ecology, 2014, 90, n/a-n/a.	2.7	33
12	Alveolar microbiota profile in patients with human pulmonary tuberculosis and interstitial pneumonia. Microbial Pathogenesis, 2020, 139, 103851.	2.9	30
13	Nitrogen Fixation in Microbial Mat and Stromatolite Communities from Cuatro Cienegas, Mexico. Microbial Ecology, 2007, 54, 363-373.	2.8	29
14	Exploring Biogeochemistry and Microbial Diversity of Extant Microbialites in Mexico and Cuba. Frontiers in Microbiology, 2018, 9, 510.	3.5	29
15	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
16	N<sub>2 fixation rates and associated diversity (nifH) of microbialite and mat-forming consortia from different aquatic environments in Mexico. Aquatic Microbial Ecology, 2012, 67, 15-24.	1.8	26
17	Nitrogen fixation patterns displayed by cyanobacterial consortia in Alchichica crater-lake, Mexico. Hydrobiologia, 2002, 467, 71-78.	2.0	25
18	Phylogenetic and molecular clock inferences of cyanobacterial strains within Rivulariaceae from distant environments. FEMS Microbiology Letters, 2011, 316, 90-99.	1.8	22

#	Article	IF	Citations
19	Disturbance in human gut microbiota networks by parasites and its implications in the incidence of depression. Scientific Reports, 2020, 10, 3680.	3.3	22
20	Heterotrophic dinitrogen fixation (acetylene reduction) in phosphate-fertilised Microcoleus chthonoplastes microbial mat from the hypersaline inland lake ?la Salada de Chiprana? (NE Spain). Hydrobiologia, 2005, 534, 245-253.	2.0	21
21	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
22	The microbiome of modern microbialites in Bacalar Lagoon, Mexico. PLoS ONE, 2020, 15, e0230071.	2.5	18
23	Metagenomic strategies identify diverse integronâ€integrase and antibiotic resistance genes in the Antarctic environment. MicrobiologyOpen, 2021, 10, e1219.	3.0	18
24	Characterization and comparison of potential denitrifiers in microbial mats from King George Island, Maritime Antarctica. Polar Biology, 2014, 37, 403-416.	1.2	17
25	ULTRASTRUCTURE OF UNICELLULAR N2FIXING CYANOBACTERIA FROM THE TROPICAL NORTH ATLANTIC AND SUBTROPICAL NORTH PACIFIC OCEANS. Journal of Phycology, 2004, 40, 1074-1078.	2.3	16
26	Metagenome of Acropora palmata coral rubble: Potential metabolic pathways and diversity in the reef ecosystem. PLoS ONE, 2019, 14, e0220117.	2.5	15
27	Fecal microbiota of different reproductive stages of the central population of the lesser-long nosed bat, Leptonycteris yerbabuenae. PLoS ONE, 2019, 14, e0219982.	2.5	15
28	Geographical separation and physiology drive differentiation of microbial communities of two discrete populations of the bat Leptonycteris yerbabuenae. MicrobiologyOpen, 2020, 9, 1113-1127.	3.0	15
29	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
30	Metabolic analysis of Chlorobium chlorochromatii CaD3 reveals clues of the symbiosis in â€˜Chlorochromatium aggregatumâ€™. ISME Journal, 2014, 8, 991-998.	9.8	13
31	Microbiota composition of the dorsal patch of reproductive male Leptonycteris yerbabuenae. PLoS ONE, 2019, 14, e0226239.	2.5	13
32	Gut Microbiome in Children from Indigenous and Urban Communities in MÃ©xico: Different Subsistence Models, Different Microbiomes. Microorganisms, 2020, 8, 1592.	3.6	13
33	Temporal analysis of the microbial communities in a nitrate-contaminated aquifer and the co-occurrence of anammox, n-damo and nitrous-oxide reducing bacteria. Journal of Contaminant Hydrology, 2020, 234, 103657.	3.3	13
34	Genetic diversity associated with N-cycle pathways in microbialites from Lake Alchichica, Mexico. Aquatic Microbial Ecology, 2017, 78, 121-133.	1.8	13
35	Evidence of biogeography in surface ocean bacterioplankton assemblages. Marine Genomics, 2008, 1, 55-61.	1.1	12
36	Metabolic potential of microbial mats and microbialites: Autotrophic capabilities described by an in silico stoichiometric approach from shared genomic resources. Journal of Bioinformatics and Computational Biology, 2016, 14, 1650020.	0.8	11

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37	Changes in the sediment microbial community structure of coastal and inland sinkholes of a karst ecosystem from the Yucatan peninsula. Scientific Reports, 2022, 12, 1110.	3.3	11
38	Microbial composition of biofilms associated with lithifying rubble ofAcropora palmatabranches. FEMS Microbiology Ecology, 2016, 92, fiv162.	2.7	10
39	Methods for extracting 'omes from microbialites. Journal of Microbiological Methods, 2019, 160, 1-10.	1.6	10
40	Cyanobacteria in microbialites of Alchichica Crater Lake: a polyphasic characterization. European Journal of Phycology, 2021, 56, 428-443.	2.0	8
41	Habitat conditions drive phylogenetic structure of dominant bacterial phyla of microbialite communities from different locations in Mexico. Revista De Biologia Tropical, 2016, 64, 1057-65.	0.4	7
42	Assessing the Diversity of Benthic Sulfate-Reducing Microorganisms in Northwestern Gulf of Mexico by Illumina Sequencing of dsrB Gene. Microbial Ecology, 2021, 81, 908-921.	2.8	6
43	Detection of presumed genes encoding beta-lactamases by sequence based screening of metagenomes derived from Antarctic microbial mats. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	6.0	5
44	The Role of Microorganisms in the Methane Cycle. Frontiers for Young Minds, 0, 7, .	0.8	5
45	Tapirus bairdii-Associated Fecal Microbiome from a Critical Conservation Area: Calakmul, MÃ©xico. Current Microbiology, 2021, 78, 2648-2659.	2.2	4
46	Metabolic Symbiosis and the Birth of the Plant Kingdom. Molecular Biology and Evolution, 2008, 25, 795-795.	8.9	2
47	Depth Related Structure and Microbial Composition of Microbialites in a Karst Sinkhole, Cenote Azul, Mexico. Geomicrobiology Journal, 2021, 38, 237-251.	2.0	2
48	Nematode fauna associated with freshwater microbialites in Bacalar Lake, Quintana Roo, Mexico. Limnology, 2021, 22, 347-355.	1.5	2
49	Microbialites: What on Earth?. Frontiers for Young Minds, 0, 7, .	0.8	1
50	Antarctic Bacteria in Microbial Mats From King George Island, Maritime Antarctica. , 2021, , 171-183.		0