Pilar Mateo

List of Publications by Year
in descending order

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26 papers	951 citations	471509 17 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	1241 citing authors

#	Article	IF	Citations
1	Temperature Drives the Continental-Scale Distribution of Key Microbes in Topsoil Communities. Science, 2013, 340, 1574-1577.	12.6	252
2	Cyanobacterial biocrust diversity in Mediterranean ecosystems along a latitudinal and climatic gradient. New Phytologist, 2019, 221, 123-141.	7.3	77
3	Spatial and temporal changes in water quality in a Spanish river. Science of the Total Environment, 1999, 241, 75-90.	8.0	71
4	Cyanobacteria as bioindicators and bioreporters of environmental analysis in aquatic ecosystems. Biodiversity and Conservation, 2015, 24, 909-948.	2.6	47
5	Phenotypic variability and phylogenetic relationships of the genera Tolypothrix and Calothrix (Nostocales, Cyanobacteria) from running water. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 3039-3051.	1.7	45
6	Polyphasic evaluation of key cyanobacteria in biocrusts from the most arid region in Europe. PeerJ, 2019, 7, e6169.	2.0	43
7	Specific responses to nitrogen and phosphorus enrichment in cyanobacteria: Factors influencing changes in species dominance along eutrophic gradients. Water Research, 2014, 48, 622-631.	11.3	42
8	Molecular Fingerprinting of Cyanobacteria from River Biofilms as a Water Quality Monitoring Tool. Applied and Environmental Microbiology, 2013, 79, 1459-1472.	3.1	38
9	PHYSIOLOGICAL DIFFERENCES BETWEEN TWO SPECIES OF CYANOBACTERIA IN RELATION TO PHOSPHORUS LIMITATION1. Journal of Phycology, 2006, 42, 61-66.	2.3	36
10	Differences in the Cyanobacterial Community Composition of Biocrusts From the Drylands of Central Mexico. Are There Endemic Species?. Frontiers in Microbiology, 2019, 10, 937.	3.5	32
11	Land degradation effects on composition of pioneering soil communities: An alternative successional sequence for dryland cyanobacterial biocrusts. Soil Biology and Biochemistry, 2020, 146, 107824.	8.8	28
12	Phosphatase activities of cyanobacteria as indicators of nutrient status in a Pyrenees river. Hydrobiologia, 2010, 652, 255-268.	2.0	27
13	Life cycle as a stable trait in the evaluation of diversity of Nostoc from biofilms in rivers. FEMS Microbiology Ecology, 2011, 76, 185-198.	2.7	27
14	Polyphasic characterization of benthic cyanobacterial diversity from biofilms of the Guadarrama river (Spain): morphological, molecular, and ecological approaches¹. Journal of Phycology, 2013, 49, 282-297.	2.3	26
15	Diversity of biocrust-forming cyanobacteria in a semiarid gypsiferous site from Central Spain. Journal of Arid Environments, 2018, 151, 83-89.	2.4	26
16	Phenotypic and genotypic characteristics ofPhormidium-like cyanobacteria inhabiting microbial mats are correlated with the trophic status of running waters. European Journal of Phycology, 2013, 48, 235-252.	2.0	24
17	Microenvironmental Conditions Drive the Differential Cyanobacterial Community Composition of Biocrusts from the Sahara Desert. Microorganisms, 2021, 9, 487.	3.6	20
18	Benthic cyanobacterial assemblages as indicators of nutrient enrichment regimes in a Spanish river. Clean - Soil, Air, Water, 2006, 34, 67-72.	0.6	18

#	Article	IF	Citations
19	Monitoring bioavailable phosphorus in lotic systems: A polyphasic approach based on cyanobacteria. Science of the Total Environment, 2014, 475, 158-168.	8.0	17
20	A Molecular Fingerprint Technique to Detect Pollution-Related Changes in River Cyanobacterial Diversity. Journal of Environmental Quality, 2007, 36, 464-468.	2.0	14
21	A battery of bioreporters of nitrogen bioavailability in aquatic ecosystems based on cyanobacteria. Science of the Total Environment, 2014, 475, 169-179.	8.0	14
22	Assessing the influence of soil abiotic and biotic factors on Nostoc commune inoculation success. Plant and Soil, 2019, 444, 57-70.	3.7	12
23	Lithic cyanobacterial communities in the polyextreme Sahara Desert: implications for the search for the limits of life. Environmental Microbiology, 2022, 24, 451-474.	3.8	7
24	Analysis of molecular diversity within single cyanobacterial colonies from environmental samples. Scientific Reports, 2020, 10, 18453.	3.3	5
25	Foreword. Science of the Total Environment, 2014, 475, 157.	8.0	2
26	Fingerprinting Chamaesiphon populations as an approach to assess the quality of running waters. River Research and Applications, 2018, 34, 595-605.	1.7	0