

Lluís Bañeras

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

3,300
citations

201658

27
h-index

149686

56
g-index

75
all docs

75
docs citations

75
times ranked

4426
citing authors

#	ARTICLE	IF	CITATIONS
1	Resilience of microbial communities in Mediterranean soil after induced drought and manipulated <sc>UV</sc> radiation. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	7
2	Letâ€™s chat: Communication between electroactive microorganisms. <i>Bioresource Technology</i> , 2022, 347, 126705.	9.6	33
3	Unveiling microbial electricity driven anoxic ammonium removal. <i>Bioresource Technology Reports</i> , 2022, 17, 100975.	2.7	4
4	Electro-cultivation of hydrogen-oxidizing bacteria to accumulate ammonium and carbon dioxide into protein-rich biomass. <i>Bioresource Technology Reports</i> , 2022, 18, 101010.	2.7	1
5	Effects of high nitrate input in the denitrification-DNRA activities in the sediment of a constructed wetland under varying C/N ratios. <i>Ecological Engineering</i> , 2021, 159, 106098.	3.6	17
6	Electro-bioremediation of nitrate and arsenite polluted groundwater. <i>Water Research</i> , 2021, 190, 116748.	11.3	34
7	Steering bio-electro recycling of carbon dioxide towards target compounds through novel inoculation and feeding strategies. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105549.	6.7	6
8	The core microbiome is responsible for volatile silicon and organic compounds degradation during anoxic lab scale biotrickling filter performance. <i>Science of the Total Environment</i> , 2021, 798, 149162.	8.0	13
9	Carbon dioxide to bio-oil in a bioelectrochemical system-assisted microalgae biorefinery process. <i>Sustainable Energy and Fuels</i> , 2021, 6, 150-161.	4.9	22
10	Changes in the Potential Activity of Nitrite Reducers and the Microbial Community Structure After Sediment Dredging and Plant Removal in the Empuriabrava FWS-CW. <i>Microbial Ecology</i> , 2020, 79, 588-603.	2.8	6
11	Potential use of <i>Methylobium</i> sp. as a biodegradation tool in organosilicon and volatile compounds removal for biogas upgrading. <i>Chemosphere</i> , 2020, 240, 124908.	8.2	36
12	Limited effect of radial oxygen loss on ammonia oxidizers in <i>Typha angustifolia</i> root hairs. <i>Scientific Reports</i> , 2020, 10, 15694.	3.3	1
13	Bacteria coated cathodes as an in-situ hydrogen evolving platform for microbial electrosynthesis. <i>Scientific Reports</i> , 2020, 10, 19852.	3.3	30
14	Hydrological variations shape diversity and functional responses of streambed microbes. <i>Science of the Total Environment</i> , 2020, 714, 136838.	8.0	24
15	Thermophilic bio-electro CO ₂ recycling into organic compounds. <i>Green Chemistry</i> , 2020, 22, 2947-2955.	9.0	16
16	Unravelling the factors that influence the bio-electrorecycling of carbon dioxide towards biofuels. <i>Green Chemistry</i> , 2019, 21, 684-691.	9.0	29
17	[NiFe]-hydrogenases are constitutively expressed in an enriched <i>Methanobacterium</i> sp. population during electromethanogenesis. <i>PLoS ONE</i> , 2019, 14, e0215029.	2.5	10
18	Effect of ethanol and butanol on autotrophic growth of model homoacetogens. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	12

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19	Denitrifying nirK-containing alphaproteobacteria exhibit different electrode driven nitrite reduction capacities. <i>Bioelectrochemistry</i> , 2018, 121, 74-83.	4.6	26
20	Isotope and microbiome data provide complementary information to identify natural nitrate attenuation processes in groundwater. <i>Science of the Total Environment</i> , 2018, 613-614, 579-591.	8.0	23
21	Specific detection of <i>Clostridium autoethanogenum</i> , <i>Clostridium ljungdahlii</i> and <i>Clostridium carboxidivorans</i> in complex bioreactor samples. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	1
22	Microbial electrosynthesis of butyrate from carbon dioxide: Production and extraction. <i>Bioelectrochemistry</i> , 2017, 117, 57-64.	4.6	159
23	Tracking bio-hydrogen-mediated production of commodity chemicals from carbon dioxide and renewable electricity. <i>Bioresource Technology</i> , 2017, 228, 201-209.	9.6	34
24	Microbes as Engines of Ecosystem Function: When Does Community Structure Enhance Predictions of Ecosystem Processes?. <i>Frontiers in Microbiology</i> , 2016, 7, 214.	3.5	479
25	Low Fermentation pH Is a Trigger to Alcohol Production, but a Killer to Chain Elongation. <i>Frontiers in Microbiology</i> , 2016, 7, 702.	3.5	97
26	Bidirectional microbial electron transfer: Switching an acetate oxidizing biofilm to nitrate reducing conditions. <i>Biosensors and Bioelectronics</i> , 2016, 75, 352-358.	10.1	88
27	External Resistances Applied to MFC Affect Core Microbiome and Swine Manure Treatment Efficiencies. <i>PLoS ONE</i> , 2016, 11, e0164044.	2.5	34
28	Incubation at 25 Â°C prevents acid crash and enhances alcohol production in <i>Clostridium carboxidivorans</i> P7. <i>Bioresource Technology</i> , 2015, 192, 296-303.	9.6	111
29	Microbiome characterization of MFCs used for the treatment of swine manure. <i>Journal of Hazardous Materials</i> , 2015, 288, 60-68.	12.4	55
30	Conversion of sewage sludge to commodity chemicals via syngas fermentation. <i>Water Science and Technology</i> , 2015, 72, 415-420.	2.5	12
31	How can alcohol production be improved in carboxydophilic clostridia?. <i>Process Biochemistry</i> , 2015, 50, 1047-1055.	3.7	25
32	Specific Archaeal Communities are Selected on the Root Surfaces of <i>Ruppia</i> spp. and <i>Phragmites australis</i> . <i>Wetlands</i> , 2014, 34, 403-411.	1.5	17
33	A compositional analysis approach to phytoplankton composition in coastal Mediterranean wetlands: Influence of salinity and nutrient availability. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 136, 72-81.	2.1	18
34	Assessment of biotic and abiotic graphite cathodes for hydrogen production in microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1297-1305.	7.1	80
35	Impact of formate on the growth and productivity of <i>Clostridium ljungdahlii</i> PETC and <i>Clostridium carboxidivorans</i> P7 grown on syngas. <i>International Microbiology</i> , 2014, 17, 195-204.	2.4	18
36	Changes of the phenol-degrading bacterial community during the decomposition of submersed <i>Platanus acerifolia</i> leaves. <i>FEMS Microbiology Letters</i> , 2013, 338, 184-191.	1.8	4

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37	Mass spectrometry identification of alkyl-substituted pyrazines produced by <i>Pseudomonas</i> spp. isolates obtained from wine corks. <i>Food Chemistry</i> , 2013, 138, 2382-2389.	8.2	18
38	Denitrifying Bacterial Communities Affect Current Production and Nitrous Oxide Accumulation in a Microbial Fuel Cell. <i>PLoS ONE</i> , 2013, 8, e63460.	2.5	74
39	Emergent Macrophytes Act Selectively on Ammonia-Oxidizing Bacteria and Archaea. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6352-6356.	3.1	46
40	Changes in the microbial communities along the environmental gradient created by a small Fe spring. <i>Freshwater Science</i> , 2012, 31, 599-609.	1.8	14
41	Abundance and Composition of Epiphytic Bacterial and Archaeal Ammonia Oxidizers of Marine Red and Brown Macroalgae. <i>Applied and Environmental Microbiology</i> , 2012, 78, 318-325.	3.1	47
42	The role of plant type and salinity in the selection for the denitrifying community structure in the rhizosphere of wetland vegetation. <i>International Microbiology</i> , 2012, 15, 89-99.	2.4	46
43	Genetic potential for N ₂ O emissions from the sediment of a free water surface constructed wetland. <i>Water Research</i> , 2011, 45, 5621-5632.	11.3	104
44	The microbiota of an unpolluted calcareous soil faces up chlorophenols: Evidences of resistant strains with potential for bioremediation. <i>Chemosphere</i> , 2011, 83, 104-116.	8.2	21
45	Maintenance of previously uncultured freshwater archaea from anoxic waters under laboratory conditions. <i>Antonie Van Leeuwenhoek</i> , 2011, 99, 403-408.	1.7	6
46	Multivariate analysis of volatile compounds detected by headspace solid-phase microextraction/gas chromatography: A tool for sensory classification of cork stoppers. <i>Food Chemistry</i> , 2011, 126, 1978-1984.	8.2	18
47	Autotrophic nitrite removal in the cathode of microbial fuel cells. <i>Bioresource Technology</i> , 2011, 102, 4462-4467.	9.6	132
48	Nitrogen removal efficiencies in a free water surface constructed wetland in relation to plant coverage. <i>Ecological Engineering</i> , 2011, 37, 678-684.	3.6	29
49	Phosphorus deficiency and kinetics of alkaline phosphatase in isolates and natural populations of phototrophic sulphur bacteria. <i>FEMS Microbiology Ecology</i> , 2010, 73, no-no.	2.7	6
50	Molecular Fingerprinting by PCR-Denaturing Gradient Gel Electrophoresis Reveals Differences in the Levels of Microbial Diversity for Musty-Earthy Tainted Corks. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1922-1931.	3.1	20
51	Structure and function of denitrifying and nitrifying bacterial communities in relation to the plant species in a constructed wetland. <i>FEMS Microbiology Ecology</i> , 2009, 67, 308-319.	2.7	148
52	Off-Odor Compounds Produced in Cork by Isolated Bacteria and Fungi: A Gas Chromatography-Mass Spectrometry and Gas Chromatography-Olfactometry Study. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7473-7479.	5.2	20
53	New phylotypes of mesophilic filamentous anoxygenic phototrophic bacteria enriched from sulfide-containing environments. <i>Environmental Microbiology Reports</i> , 2009, 1, 86-93.	2.4	8
54	New phylotypes of mesophilic filamentous anoxygenic phototrophic bacteria enriched from sulfide-containing environments. <i>Environmental Microbiology Reports</i> , 2009, 1, 169-169.	2.4	0

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55	Screening of musty-earthy compounds from tainted cork using water-based soaks followed by headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>European Food Research and Technology</i> , 2008, 227, 1085-1090.	3.3	17
56	Fingerprinting the genetic diversity of the biotin carboxylase gene (<i>accC</i>) in aquatic ecosystems as a potential marker for studies of carbon dioxide assimilation in the dark. <i>Environmental Microbiology</i> , 2008, 10, 2527-2536.	3.8	31
57	Bioprotection of Golden Delicious apples and Iceberg lettuce against foodborne bacterial pathogens by lactic acid bacteria. <i>International Journal of Food Microbiology</i> , 2008, 123, 50-60.	4.7	148
58	Bioprotective <i>Leuconostoc</i> strains against <i>Listeria monocytogenes</i> in fresh fruits and vegetables. <i>International Journal of Food Microbiology</i> , 2008, 127, 91-98.	4.7	71
59	Lactic acid bacteria from fresh fruit and vegetables as biocontrol agents of phytopathogenic bacteria and fungi. <i>International Microbiology</i> , 2008, 11, 231-6.	2.4	143
60	Diversity of the nitrite reductase gene <i>nirS</i> in the sediment of a free-water surface constructed wetland. <i>International Microbiology</i> , 2007, 10, 253-60.	2.4	23
61	Novel bacteriochlorophyll <i>e</i> structures and species-specific variability of pigment composition in green sulfur bacteria. <i>Archives of Microbiology</i> , 2002, 177, 475-485.	2.2	39
62	Are phototrophic sulfur bacteria phosphate-limited?. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2000, 27, 840-844.	0.1	0
63	Evaluation of soluble phosphate as a factor determining the density of sulfur photosynthetic bacteria in Lake SisÅ³. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2000, 27, 850-853.	0.1	2
64	Fast energy transfer between BChl <i>d</i> and BChl <i>c</i> in chlorosomes of the green sulfur bacterium <i>Chlorobium limicola</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1457, 71-80.	1.0	24
65	Identification of and Spatio-Temporal Differences between Microbial Assemblages from Two Neighboring Sulfurous Lakes: Comparison by Microscopy and Denaturing Gradient Gel Electrophoresis. <i>Applied and Environmental Microbiology</i> , 2000, 66, 499-508.	3.1	392
66	Title is missing!. <i>Photosynthesis Research</i> , 1999, 59, 231-241.	2.9	17
67	Growth-rate-dependent bacteriochlorophyll <i>c</i> / <i>d</i> ratio in the antenna of <i>Chlorobium limicola</i> strain UdG6040. <i>Archives of Microbiology</i> , 1999, 171, 350-354.	2.2	15
68	Temporal variability of <i>Chlorobium phaeobacteroides</i> antenna pigments in a meromictic karstic lake. <i>Aquatic Microbial Ecology</i> , 1999, 17, 121-129.	1.8	15
69	Contribution of photosynthetic sulfur bacteria to the alkaline phosphatase activity in anoxic aquatic ecosystems. <i>Aquatic Microbial Ecology</i> , 1999, 18, 15-22.	1.8	7
70	Environmental and physiological factors affecting the uptake of phosphate by <i>Chlorobium limicola</i> . <i>Archives of Microbiology</i> , 1998, 170, 252-258.	2.2	4
71	Structure and Function of Chlorosomes of <i>Chlorobium Limicola</i> UdG 6040 Containing Both Bchl <i>c</i> and Bchl <i>d</i> . , 1998, , 101-104.		1
72	Changes in the Antenna Composition of <i>Chlorobium Limicola</i> Growing in Continuous Culture. , 1998, , 173-176.		1

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73	Dynamics of Phototrophic Microbial Populations in the Chemocline of a Meromictic Basin of Lake Banyoles. <i>International Review of Hydrobiology</i> , 1993, 78, 283-294.	0.6	9
74	Dilution as a restoration method in the eutrophic Lake Vilar (Banyoles, Spain). <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1993, 25, 735-738.	0.1	0