LluÃ-s Camarero

List of Publications by Year
in descending order

82 papers	3,723 citations	101543 36 h-index	138484 58 g-index
84 all docs	84 docs citations	84 times ranked	4154 citing authors

#	Article	IF	Citations
1	Global change revealed by palaeolimnological records from remote lakes: a review. Journal of Paleolimnology, 2013, 49, 513-535.	1.6	173
2	A long-term survey unveils strong seasonal patterns in the airborne microbiome coupled to general and regional atmospheric circulations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12229-12234.	7.1	161
3	Dust inputs and bacteria influence dissolved organic matter in clear alpine lakes. Nature Communications, 2011, 2, 405.	12.8	154
4	Viability and potential for immigration of airborne bacteria from Africa that reach high mountain lakes in Europe. Environmental Microbiology, 2009, 11, 1612-1623.	3.8	141
5	Atmospheric Deposition of Organochlorine Compounds to Remote High Mountain Lakes of Europe. Environmental Science & Technology, 2002, 36, 2581-2588.	10.0	137
6	Title is missing!. Journal of Paleolimnology, 2002, 28, 25-46.	1.6	135
7	Soil organic carbon storage in mountain grasslands of the Pyrenees: effects of climate and topography. Biogeochemistry, 2007, 82, 279-289.	3.5	119
8	Atmospheric phosphorus deposition may cause lakes to revert from phosphorus limitation back to nitrogen limitation. Nature Communications, 2012, 3, 1118.	12.8	119
9	Recovery of Acidified European Surface Waters. Environmental Science & Technology, 2005, 39, 64A-72A.	10.0	117
10	Vertical segregation and phylogenetic characterization of ammonia-oxidizing Archaea in a deep oligotrophic lake. ISME Journal, 2012, 6, 1786-1797.	9.8	105
11	Lake RedÃ³ ecosystem response to an increasing warming the Pyrenees during the twentieth century. Journal of Paleolimnology, 2002, 28, 129-145.	1.6	98
12	Seasonal Changes of Freshwater Ammonia-Oxidizing Archaeal Assemblages and Nitrogen Species in Oligotrophic Alpine Lakes. Applied and Environmental Microbiology, 2011, 77, 1937-1945.	3.1	98
13	Regionalisation of chemical variability in European mountain lakes. Freshwater Biology, 2009, 54, 2452-2469.	2.4	91
14	Factors Governing the Atmospheric Deposition of Polycyclic Aromatic Hydrocarbons to Remote Areas. Environmental Science & Technology, 2003, 37, 3261-3267.	10.0	90
15	Atmospheric Semivolatile Organochlorine Compounds in European High-Mountain Areas (Central) Tj ETQq1 1 0.784314 rgBT /Overlo	10.0	85
16	An in situ enclosure experiment to test the solar UVB impact on plankton in a high-altitude mountain lake. I. Lack of effect on phytoplankton species composition and growth. Journal of Plankton Research, 1997, 19, 1671-1686.	1.8	82
17	Chemistry of bulk precipitation in the central and eastern Pyrenees, northeast Spain. Atmospheric Environment Part A General Topics, 1993, 27, 83-94.	1.3	81
18	Trace elements in alpine and arctic lake sediments as a record of diffuse atmospheric contamination across Europe. Freshwater Biology, 2009, 54, 2518-2532.	2.4	78

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19	Chemical composition of disturbed and undisturbed high-mountain lakes in the Pyrenees: A reference for acidified sites. Water Research, 1993, 27, 133-141.	11.3	74
20	Altitudinal Gradients of PBDEs and PCBs in Fish from European High Mountain Lakes. Environmental Science & Technology, 2007, 41, 2196-2202.	10.0	65
21	Modelling the effect of climate change on recovery of acidified freshwaters: Relative sensitivity of individual processes in the MAGIC model. Science of the Total Environment, 2006, 365, 154-166.	8.0	62
22	Macrophytes from lakes in the eastern Pyrenees: community composition and ordination in relation to environmental factors. Freshwater Biology, 1994, 32, 73-81.	2.4	58
23	Atmospherically deposited major and trace elements in the winter snowpack along a gradient of altitude in the Central Pyrenees: The seasonal record of long-range fluxes over SW Europe. Atmospheric Environment, 2010, 44, 582-595.	4.1	54
24	Title is missing!. Water, Air, and Soil Pollution, 1998, 105, 439-449.	2.4	52
25	Factors regulating carbon mineralization in the surface and subsurface soils of Pyrenean mountain grasslands. Soil Biology and Biochemistry, 2008, 40, 2803-2810.	8.8	52
26	High planktonic diversity in mountain lakes contains similar contributions of autotrophic, heterotrophic and parasitic eukaryotic life forms. Scientific Reports, 2018, 8, 4457.	3.3	51
27	The main features of seasonal variability in the external forcing and dynamics of a deep mountain lake (RedÃ³, Pyrenees). Journal of Limnology, 2000, 59, 97.	1.1	49
28	Temporal changes of microbial assemblages in the ice and snow cover of a high mountain lake. Limnology and Oceanography, 1999, 44, 973-987.	3.1	47
29	Acidification in European mountain lake districts: A regional assessment of critical load exceedance. Aquatic Sciences, 2005, 67, 237-251.	1.5	47
30	Fluxes of Al, Fe, Ti, Mn, Pb, Cd, Zn, Ni, Cu, and As in monthly bulk deposition over the Pyrenees (SW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 implications for high mountain lakes. Journal of Geophysical Research, 2009, 114, .	3.3	47
31	Modelling the dynamic airâ€“waterâ€“sediment coupled fluxes and occurrence of polychlorinated biphenyls in a high altitude lake. Environmental Pollution, 2006, 140, 546-560.	7.5	45
32	Whole-catchment inventories of trace metals in soils and sediments in mountain lake catchments in the Central Pyrenees: Apportioning the anthropogenic and natural contributions. Geochimica Et Cosmochimica Acta, 2012, 82, 52-67.	3.9	44
33	The DNRA-Denitrification Dichotomy Differentiates Nitrogen Transformation Pathways in Mountain Lake Benthic Habitats. Frontiers in Microbiology, 2019, 10, 1229.	3.5	44
34	An in situ enclosure experiment to test the solar UVB impact on plankton in a high-altitude mountain lake. II. Effects on the microbial food web. Journal of Plankton Research, 1999, 21, 859-876.	1.8	43
35	On the climate and weather of mountain and subâ€arctic lakes in Europe and their susceptibility to future climate change. Freshwater Biology, 2009, 54, 2433-2451.	2.4	42
36	Variability in the chemistry of precipitation in the Pyrenees (northeastern Spain): Dominance of storm origin and lack of altitude influence. Journal of Geophysical Research, 1996, 101, 29491-29498.	3.3	37

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37	Trends in the Water Chemistry of High Altitude Lakes in Europe. Water, Air and Soil Pollution, 2002, 2, 75-89.	0.8	36
38	The effects of the NAO on the ice phenology of Spanish alpine lakes. Climatic Change, 2015, 130, 101-113.	3.6	32
39	Denitrification Temperature Dependence in Remote, Cold, and Nâ€Poor Lake Sediments. Water Resources Research, 2018, 54, 1161-1173.	4.2	32
40	Title is missing!. Journal of Paleolimnology, 2003, 30, 21-34.	1.6	31
41	Polycyclic Aromatic Hydrocarbons in Soils from European High Mountain Areas. Water, Air, and Soil Pollution, 2011, 215, 655-666.	2.4	30
42	Remote mountain lakes as indicators of diffuse acidic and organic pollution in the Iberian peninsula (AL:PE 2 studies). Water, Air, and Soil Pollution, 1995, 85, 487-492.	2.4	29
43	Microbial food web components, bulk metabolism, and single-cell physiology of piconeuston in surface microlayers of high-altitude lakes. Frontiers in Microbiology, 2015, 6, 361.	3.5	29
44	A modelling assessment of acidification and recovery of European surface waters. Hydrology and Earth System Sciences, 2003, 7, 447-455.	4.9	28
45	Climate and CO2 saturation in an alpine lake throughout the Holocene. Limnology and Oceanography, 2009, 54, 2542-2552.	3.1	26
46	A SIMPLE MODEL OF REGIONAL ACIDIFICATION FOR HIGH MOUNTAIN LAKES: APPLICATION TO THE PYRENEAN LAKES (NORTH-EAST SPAIN). Water Research, 1998, 32, 1126-1136.	11.3	23
47	The relative importance of the planktonic food web in the carbon cycle of an oligotrophic mountain lake in a poorly vegetated catchment (RedÃ³, Pyrenees). Journal of Limnology, 1999, 58, 203.	1.1	23
48	Major and trace elements in soils in the Central Pyrenees: high altitude soils as a cumulative record of background atmospheric contamination over SW Europe. Environmental Science and Pollution Research, 2010, 17, 1606-1621.	5.3	23
49	Passive sampling of atmospheric organochlorine compounds by SPMDs in a remote high mountain area. Atmospheric Environment, 2005, 39, 5195-5204.	4.1	22
50	Decadal trends in atmospheric deposition in a high elevation station: Effects of climate and pollution on the long-range flux of metals and trace elements over SW Europe. Atmospheric Environment, 2017, 167, 542-552.	4.1	22
51	Regional community assembly drivers and microbial environmental sources shaping bacterioplankton in an alpine lacustrine district (Pyrenees, Spain). Environmental Microbiology, 2020, 22, 297-309.	3.8	22
52	Atmospheric deposition of polybromodiphenyl ethers in remote mountain regions of Europe. Atmospheric Chemistry and Physics, 2014, 14, 4441-4457.	4.9	21
53	Application of Static Critical Load Models for Acidity to High Mountain Lakes in Europe. Water, Air and Soil Pollution, 2002, 2, 115-126.	0.8	19
54	Phosphate Sorption Characteristics of European Alpine Soils. Soil Science Society of America Journal, 2011, 75, 862-870.	2.2	19

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55	Air temperature-driven CO2 consumption by rock weathering at short timescales: Evidence from a Holocene lake sediment record. Geochimica Et Cosmochimica Acta, 2014, 136, 67-79.	3.9	19
56	Drivers of atmospheric deposition of polycyclic aromatic hydrocarbons at European high-altitude sites. Atmospheric Chemistry and Physics, 2018, 18, 16081-16097.	4.9	18
57	Atmospheric Chemical Loadings in the High Mountain: Current Forcing and Legacy Pollution. Advances in Global Change Research, 2017, , 325-341.	1.6	18
58	Nitrogen in the Pyrenean lakes (Spain). Hydrobiologia, 1994, 274, 17-27.	2.0	17
59	Assay of soluble reactive phosphorus at nanomolar levels in nonsaline waters. Limnology and Oceanography, 1994, 39, 707-711.	3.1	17
60	Isotopic composition of dissolved inorganic nitrogen in high mountain lakes: variation with altitude in the Pyrenees. Biogeosciences, 2010, 7, 1469-1479.	3.3	17
61	Increasing and decreasing trends of the atmospheric deposition of organochlorine compounds in European remote areas during the last decade. Atmospheric Chemistry and Physics, 2015, 15, 6069-6085.	4.9	16
62	Denitrification rates in lake sediments of mountains affected by high atmospheric nitrogen deposition. Scientific Reports, 2020, 10, 3003.	3.3	16
63	Application of MAGIC to Lake RedÃ³ (Central Pyrenees): an assessment of the effects of possible climate driven changes in atmospheric precipitation, base cation deposition, and weathering rates on lake water chemistry. Journal of Limnology, 2004, 63, 123.	1.1	15
64	Title is missing!. Water, Air and Soil Pollution, 2002, 2, 251-260.	0.8	14
65	Spreading of trace metals and metalloids pollution in lake sediments over the PyrÃ©nÃ©es. European Physical Journal Special Topics, 2003, 107, 249-253.	0.2	13
66	Palaeoenvironmental and palaeoseismic implications of a 3700-year sedimentary record from proglacial Lake Barrancs (Maladeta Massif, Central Pyrenees, Spain). Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 294, 83-93.	2.3	13
67	Title is missing!. Water, Air and Soil Pollution, 2002, 2, 19-31.	0.8	11
68	Modelling Pb, Zn and As transfer from terrestrial to aquatic ecosystems during the ice-free season in three Pyrenean catchments. Science of the Total Environment, 2010, 408, 5854-5861.	8.0	11
69	A method for upscaling soil parameters for use in a dynamic modelling assessment of water quality in the Pyrenees. Science of the Total Environment, 2009, 407, 1701-1714.	8.0	8
70	Atmospheric Carbon Dioxide variability at AigÃ¼estortes, Central Pyrenees, Spain. Regional Environmental Change, 2019, 19, 313-324.	2.9	8
71	Mountain Waters as Witnesses of Global Pollution. , 2013, , 31-67.		6
72	Brown and brook trout populations in the Tatra Mountain lakes (Slovakia, Poland) and contamination by long-range transported pollutants. Biologia (Poland), 2015, 70, 516-529.	1.5	5

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73	Metal contaminations impact archaeal community composition, abundance and function in remote alpine lakes. Environmental Microbiology, 2018, 20, 2422-2437.	3.8	5
74	Acidification in European mountain lake districts: A regional assessment of critical load exceedance. Aquatic Sciences, 2005, 67, 237-251.	1.5	5
75	Stream chemistry response to changing nitrogen and sulfur deposition in two mountain areas in the Iberian Peninsula. Science of the Total Environment, 2020, 711, 134697.	8.0	4
76	Homeostasis and nonâ€linear shift in the stoichiometry of Pâ€limited planktonic communities. Ecosphere, 2020, 11, e03249.	2.2	4
77	Episodic nutrient enrichments stabilise protist coexistence in planktonic oligotrophic conditions. Journal of Ecology, 2021, 109, 1717-1729.	4.0	4
78	Applicability of mixing modelling to determine the contributions to surface flow in high mountain catchments. Hydrological Sciences Journal, 2021, 66, 2382-2394.	2.6	3
79	Horizontal heterogeneity of phytoplankton in a small high mountain lake. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1991, 24, 1005-1010.	0.1	2
80	Seasonal changes in alkalinity and pH in two Pyrenean lakes of very different water residence time. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1993, 25, 749-753.	0.1	2
81	Estimating Sediment Denitrification Rates Using Cores and N₂O Microsensors. Journal of Visualized Experiments, 2018, , .	0.3	1
82	Deployment of ENEX Enclosures in Highâ€Mountain Lake Redon (Spain). Bulletin of the Ecological Society of America, 2021, 102, e01799.	0.2	0