

Beatriz E Modenutti

List of Publications by Year in descending order

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97
papers

2,741
citations

218677

26
h-index

214800

47
g-index

98
all docs

98
docs citations

98
times ranked

2141
citing authors

#	ARTICLE	IF	CITATIONS
1	The attenuation of solar UV radiation in lakes and the role of dissolved organic carbon. <i>Limnology and Oceanography</i> , 1995, 40, 1381-1391.	3.1	692
2	Structure and dynamics of food webs in Andean lakes. <i>Lakes and Reservoirs: Research and Management</i> , 1998, 3, 179-186.	0.9	86
3	Impact of fish introduction on planktonic food webs in lakes of the Patagonian Plateau. <i>Biological Conservation</i> , 2006, 132, 437-447.	4.1	79
4	Production and biomass of picophytoplankton and larger autotrophs in Andean ultraoligotrophic lakes: differences in light harvesting efficiency in deep layers. <i>Aquatic Ecology</i> , 2007, 41, 511-523.	1.5	70
5	Phylogenetic diversity of nonmarine picocyanobacteria. <i>FEMS Microbiology Ecology</i> , 2013, 85, 293-301.	2.7	66
6	Glacier melting and stoichiometric implications for lake community structure: zooplankton species distributions across a natural light gradient. <i>Global Change Biology</i> , 2013, 19, 316-326.	9.5	62
7	Climate-induced input of turbid glacial meltwater affects vertical distribution and community composition of phyto- and zooplankton. <i>Journal of Plankton Research</i> , 2011, 33, 1239-1248.	1.8	56
8	Impact of exotic rainbow trout on the benthic macroinvertebrate community from Andean-Patagonian headwater streams. <i>Fundamental and Applied Limnology</i> , 2007, 168, 145-154.	0.7	49
9	Daphnia distribution in Andean Patagonian lakes: effect of low food quality and fish predation. <i>Aquatic Ecology</i> , 2007, 41, 599-609.	1.5	44
10	Living in transparent lakes: Low food P:C ratio decreases antioxidant response to ultraviolet radiation in Daphnia. <i>Limnology and Oceanography</i> , 2008, 53, 2383-2390.	3.1	43
11	Effect of volcanic eruption on nutrients, light, and phytoplankton in oligotrophic lakes. <i>Limnology and Oceanography</i> , 2013, 58, 1165-1175.	3.1	42
12	Mixotrophic ciliates in an Andean lake: dependence on light and prey of an Ophrydium naumannii population. <i>Freshwater Biology</i> , 2002, 47, 121-128.	2.4	40
13	Nutrient recycling and shifts in N:P ratio by different zooplankton structures in a South Andes lake. <i>Journal of Plankton Research</i> , 1997, 19, 805-817.	1.8	39
14	Impact of different zooplankton structures on the microbial food web of a South Andean oligotrophic lake. <i>Acta Oecologica</i> , 2003, 24, S289-S298.	1.1	36
15	Herbivory versus omnivory: linking homeostasis and elemental imbalance in copepod development. <i>Journal of Plankton Research</i> , 2010, 32, 1573-1582.	1.8	36
16	Community Structure and Biogeochemical Impacts of Microbial Life on Floating Pumice. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1542-1549.	3.1	35
17	Environmental changes affecting light climate in oligotrophic mountain lakes: the deep chlorophyll maxima as a sensitive variable. <i>Aquatic Sciences</i> , 2013, 75, 361-371.	1.5	34
18	Antioxidant Defences in Planktonic Crustaceans Exposed to Different Underwater Light Irradiances in Andean Lakes. <i>Water, Air, and Soil Pollution</i> , 2007, 183, 49-57.	2.4	33

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19	Effect of UV-B and different PAR intensities on the primary production of the mixotrophic planktonic ciliate <i>Stentor araucanus</i> . <i>Limnology and Oceanography</i> , 2005, 50, 864-871.	3.1	31
20	Phytoplankton absorption spectra along the water column in deep North Patagonian Andean lakes (Argentina). <i>Limnologica</i> , 2007, 37, 3-16.	1.5	31
21	Effect of UVR on Lake Water and Macrophyte Leachates in Shallow Andean Patagonian Lakes: Bacterial Response to Changes in Optical Features. <i>Photochemistry and Photobiology</i> , 2009, 85, 332-340.	2.5	30
22	Effect of Ultraviolet Radiation on Acetylcholinesterase Activity in Freshwater Copepods. <i>Photochemistry and Photobiology</i> , 2010, 86, 367-373.	2.5	30
23	Light versus food supply as factors modulating niche partitioning in two pelagic mixotrophic ciliates. <i>Limnology and Oceanography</i> , 2008, 53, 446-455.	3.1	29
24	Stoichiometric dietary constraints influence the response of copepods to ultraviolet radiation-induced oxidative stress. <i>Limnology and Oceanography</i> , 2010, 55, 1024-1032.	3.1	29
25	Increase in photosynthetic efficiency as a strategy of planktonic organisms exploiting deep lake layers. <i>Freshwater Biology</i> , 2004, 49, 160-169.	2.4	28
26	Fish-mediated trait compensation in zooplankton. <i>Functional Ecology</i> , 2012, 26, 608-615.	3.6	28
27	Bacterial diversity and morphology in deep ultraoligotrophic Andean lakes: The role of UVR on vertical distribution. <i>Limnology and Oceanography</i> , 2009, 54, 1098-1112.	3.1	27
28	Rapid Enzymatic Response to Compensate UV Radiation in Copepods. <i>PLoS ONE</i> , 2012, 7, e32046.	2.5	27
29	Effect of the selective feeding of <i>Galaxias maculatus</i> (Salmoniformes, Galaxiidae) on zooplankton of a South Andes lake. <i>Aquatic Sciences</i> , 1993, 55, 65-75.	1.5	26
30	Phytoplankton responses to experimental enhancement of grazing pressure and nutrient recycling in a small Andean lake. <i>Freshwater Biology</i> , 1998, 40, 41-49.	2.4	26
31	Grazing impact of two aquatic invertebrates on periphyton from an Andean-Patagonian stream. <i>Archiv für Hydrobiologie</i> , 2004, 159, 455-471.	1.1	26
32	Susceptibility of bacterioplankton to nutrient enrichment of oligotrophic and ultraoligotrophic lake waters. <i>Journal of Limnology</i> , 2008, 67, 120.	1.1	26
33	Does predation by the introduced rainbow trout cascade down to detritus and algae in a forested small stream in Patagonia?. <i>Hydrobiologia</i> , 2010, 651, 161-172.	2.0	26
34	Zooplankton Dynamics of Lake Escondido (Rio Negro, Argentina), with Special Reference to a Population of <i>Boeckella gracilipes</i> (Copepoda, Calanoida). <i>International Review of Hydrobiology</i> , 1990, 75, 475-491.	0.6	25
35	Summer population of <i>Hexarthra bulgarica</i> in a high elevation lake of south Andes. <i>Hydrobiologia</i> , 1993, 259, 33-37.	2.0	25
36	Glacial clay affects foraging performance in a Patagonian fish and cladoceran. <i>Hydrobiologia</i> , 2011, 663, 101-108.	2.0	25

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37	Grazing impact on autotrophic picoplankton in two south Andean lakes (Patagonia, Argentina) with different light:nutrient ratios. <i>Revista Chilena De Historia Natural</i> , 2004, 77, .	1.2	25
38	Picocyanobacterial assemblages in ultraoligotrophic Andean lakes reveal high regional microdiversity. <i>Journal of Plankton Research</i> , 2010, 32, 357-366.	1.8	24
39	Does the stoichiometric carbon:phosphorus knife edge apply for predaceous copepods?. <i>Oecologia</i> , 2015, 178, 557-569.	2.0	24
40	Effect of light on particulate and dissolved organic matter production of native and exotic macrophyte species in Patagonia. <i>Hydrobiologia</i> , 2016, 766, 29-42.	2.0	23
41	Title is missing!. <i>Hydrobiologia</i> , 1998, 387/387, 289-294.	2.0	20
42	Alien vs. native plants in a Patagonian wetland: elemental ratios and ecosystem stoichiometric impacts. <i>Biological Invasions</i> , 2012, 14, 179-189.	2.4	20
43	The susceptibility of cladocerans in N-rich A-andean P-atagonian lakes to volcanic ashes. <i>Freshwater Biology</i> , 2013, 58, 1878-1888.	2.4	20
44	Bacterial Community Structure in Patagonian Andean Lakes Above and Below Timberline: From Community Composition to Community Function. <i>Microbial Ecology</i> , 2014, 68, 528-541.	2.8	20
45	The Role of the Predaceous Copepod <i>Parabroteas Sarsi</i> in the Pelagic Food Web of a Large Deep Andean Lake. <i>Hydrobiologia</i> , 2004, 524, 67-77.	2.0	19
46	Balance between primary and bacterial production in North Patagonian shallow lakes. <i>Aquatic Ecology</i> , 2009, 43, 867-878.	1.5	18
47	Vulnerability of mixotrophic algae to nutrient pulses and UVR in an oligotrophic Southern and Northern Hemisphere lake. <i>Scientific Reports</i> , 2017, 7, 6333.	3.3	18
48	Influence of spatial heterogeneity on predation by the flatworm <i>Mesostoma ehrenbergii</i> (Focke) on calanoid and cyclopoid copepods. <i>Journal of Plankton Research</i> , 2006, 28, 267-274.	1.8	17
49	Interactive effects of temperature, ultraviolet radiation and food quality on zooplankton alkaline phosphatase activity. <i>Environmental Pollution</i> , 2016, 213, 135-142.	7.5	17
50	Effect of glacial lake outburst floods on the light climate in an Andean Patagonian lake: implications for planktonic phototrophs. <i>Hydrobiologia</i> , 2018, 816, 39-48.	2.0	17
51	The coexistence of <i>Bosmina</i> and <i>Ceriodaphnia</i> in a south Andes lake.. <i>Freshwater Biology</i> , 1992, 28, 93-101.	2.4	16
52	Ultraviolet Radiation Induces Filamentation in Bacterial Assemblages from North Andean Patagonian Lakes. <i>Photochemistry and Photobiology</i> , 2010, 86, 871-881.	2.5	16
53	Forest Structure Affects the Stoichiometry of Periphyton Primary Producers in Mountain Streams of Northern Patagonia. <i>Ecosystems</i> , 2016, 19, 1225-1239.	3.4	16
54	Melting of clean and debris-rich ice differentially affect nutrients, dissolved organic matter and bacteria respiration in the early ontogeny of the newly formed proglacial Ventisquero Negro Lake (Patagonia Argentina). <i>Freshwater Biology</i> , 2018, 63, 1341-1351.	2.4	16

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55	Picocyanobacterial photosynthetic efficiency under Daphnia grazing pressure. Journal of Plankton Research, 2004, 26, 1471-1477.	1.8	15
56	Precipitation patterns, dissolved organic matter and changes in the plankton assemblage in Lake Escondido (Patagonia, Argentina). Hydrobiologia, 2012, 691, 189-202.	2.0	14
57	Can increased glacial melting resulting from global change provide attached algae with transient protection against high irradiance?. Freshwater Biology, 2014, 59, 2290-2302.	2.4	14
58	Photosynthetic picoplankton in Argentina lakes. Advances in Limnology, 2014, 65, 343-357.	0.4	14
59	Glacier melting and response of Daphnia oxidative stress. Journal of Plankton Research, 2017, 39, 675-686.	1.8	14
60	Planktonic ciliates from an oligotrophic South Andean lake, Morenito Lake (Patagonia, Argentina). Brazilian Journal of Biology, 2001, 61, 389-395.	0.9	13
61	When prey mating increases predation risk: the relationship between the flatworm <i>Mesostoma ehrenbergii</i> and the copepod <i>Boeckella gracilis</i> . Archiv für Hydrobiologie, 2005, 163, 555-569.	1.1	13
62	Prey C:P ratio and phosphorus recycling by a planktivorous fish: advantages of fish selection towards pelagic cladocerans. Ecology of Freshwater Fish, 2015, 24, 214-224.	1.4	13
63	Sustained effects of volcanic ash on biofilm stoichiometry, enzyme activity and community composition in North- Patagonia streams. Science of the Total Environment, 2018, 621, 235-244.	8.0	13
64	UVB induce optical changes and phosphorous release of lake water and macrophyte leachates in shallow Andean lakes. Journal of Limnology, 2010, 69, 112.	1.1	12
65	The abundance of mixotrophic algae drives the carbon isotope composition of the copepod <i>Boeckella gracilipes</i> in shallow Patagonian lakes. Journal of Plankton Research, 2015, 37, 441-451.	1.8	12
66	Effects of Volcanic Pumice Inputs on Microbial Community Composition and Dissolved C/P Ratios in Lake Waters: an Experimental Approach. Microbial Ecology, 2016, 71, 18-28.	2.8	11
67	Nutritional stress by means of high C:N ratios in the diet and starvation affects nitrogen isotope ratios and trophic fractionation of omnivorous copepods. Oecologia, 2019, 190, 547-557.	2.0	11
68	Litter decomposition of the invasive <i>Potentilla anserina</i> in an invaded and non-invaded freshwater environment of North Patagonia. Biological Invasions, 2020, 22, 1055-1065.	2.4	11
69	Temporal variations in the diet of the exotic rainbow trout (<i>Oncorhynchus mykiss</i>) in an Andean-Patagonian canopied stream. Revista Chilena De Historia Natural, 2009, 82, .	1.2	10
70	Evidence of interference of <i>Asterionella formosa</i> with the feeding of <i>Bosmina longirostris</i> : a field study in a south Andes lake. Hydrobiologia, 1991, 224, 111-116.	2.0	9
71	Zooplankton of Fishless Ponds of Northern Patagonia: Insights into Predation Effects of <i>Mesostoma ehrenbergii</i> . International Review of Hydrobiology, 2008, 93, 312-327.	0.9	9
72	Chemical signals and habitat selection by three zooplankters in Andean Patagonian ponds. Freshwater Biology, 2009, 54, 480-494.	2.4	9

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73	Light intensity regulates stoichiometry of benthic grazers through changes in the quality of stream periphyton. <i>Freshwater Science</i> , 2019, 38, 391-405.	1.8	9
74	Mixotrophy in Argentina freshwaters. <i>Advances in Limnology</i> , 2014, 65, 359-374.	0.4	9
75	Experimental Analysis of Grazing by the Mayfly <i>Meridialaris chiloeensis</i> on Different Successional Stages of Stream Periphyton. <i>International Review of Hydrobiology</i> , 2004, 89, 263-277.	0.9	8
76	Resource versus consumer regulation of phytoplankton: testing the role of UVR in a Southern and Northern hemisphere lake. <i>Hydrobiologia</i> , 2018, 816, 107-120.	2.0	8
77	High phosphorus content in leachates of the austral beech <i>Nothofagus pumilio</i> stimulates bacterioplankton C-consumption. <i>Freshwater Science</i> , 2019, 38, 435-447.	1.8	8
78	Effect of chronic UVR exposure on zooplankton molting and growth. <i>Environmental Pollution</i> , 2020, 267, 115448.	7.5	8
79	Effect of ultraviolet radiation on clearance rate of planktonic copepods with different photoprotective strategies. <i>International Review of Hydrobiology</i> , 2019, 104, 34-44.	0.9	7
80	Spring-Summer Succession of Planktonic Rotifers in a South Andes Lake. <i>International Review of Hydrobiology</i> , 1994, 79, 373-383.	0.6	6
81	UV radiation simultaneously affects phototrophy and phagotrophy in nanoflagellate-dominated phytoplankton from an Andean shallow lake. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1318-1325.	2.9	6
82	Seasonal variability in glacial influence affects macroinvertebrate assemblages in North-Andean Patagonian glacier-fed streams. <i>Inland Waters</i> , 2019, 9, 522-533.	2.2	6
83	<i>Keratella</i> distribution in North Patagonian lakes (Argentina). <i>Hydrobiologia</i> , 1996, 321, 1-6.	2.0	5
84	Preface: Andean Patagonian lakes as sensors of global change. <i>Hydrobiologia</i> , 2018, 816, 1-2.	2.0	5
85	When eating a prey is risky: Implications for predator diel vertical migration. <i>Limnology and Oceanography</i> , 2018, 63, 939-950.	3.1	5
86	Modelling the consequence of glacier retreat on mixotrophic nanoflagellate bacterivory: a Bayesian approach. <i>Oikos</i> , 2020, 129, 1216-1228.	2.7	5
87	Low-decomposition rates of riparian litter in a North Patagonian ultraoligotrophic lake. <i>Limnologica</i> , 2021, 90, 125906.	1.5	5
88	Goose and hare faeces as a source of nutrients and dissolved organic matter for bacterial communities in the newly formed proglacial lake Ventisquero Negro (Patagonia, Argentina). <i>Hydrobiologia</i> , 2020, 847, 1479-1489.	2.0	4
89	Nutrient limitation affects biofilm enzymatic activities in a glacier-fed river. <i>Hydrobiologia</i> , 2022, 849, 2877-2894.	2.0	4
90	Differences in bacterial community-level physiological profiles between deep and shallow North-Patagonian Andean lakes. <i>Fundamental and Applied Limnology</i> , 2018, 192, 91-102.	0.7	3

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91	Melanin and antipredatory defenses in <i>Daphnia dadayana</i> under UVR exposure. International Review of Hydrobiology, 2020, 105, 106-114.	0.9	3
92	Predicting Dissolved Organic Matter Lability and Carbon Accumulation in Temperate Freshwater Ecosystems. Ecosystems, 2022, 25, 795-811.	3.4	3
93	Summer population development and diurnal vertical distribution of dinoflagellates in an ultraoligotrophic Andean lake (Patagonia, Argentina). Algological Studies, 2002, 107, 117-129.	0.1	3
94	Modelling key variables for understanding the effects of grazing and nutrient recycling by zooplankton on the freshwater microbial loop. Freshwater Biology, 0, , .	2.4	3
95	Short term fluctuating temperature alleviates Daphnia stoichiometric constraints. Scientific Reports, 2021, 11, 12383.	3.3	1
96	Influence of abiotic and biotic factors on morphological variation of Keratella cochlearis (Gosse) in a small Andean lake. , 1998, , 289-294.		1
97	Distribution of planktonic rotifers in North Patagonian lakes (Argentina). Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1998, 26, 1968-1972.	0.1	0