

# 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	Predicting Dissolved Organic Matter Lability and Carbon Accumulation in Temperate Freshwater Ecosystems. <i>Ecosystems</i> , 2022, 25, 795-811.	3.4	3
2	Nutrient limitation affects biofilm enzymatic activities in a glacier-fed river. <i>Hydrobiologia</i> , 2022, 849, 2877-2894.	2.0	4
3	Short term fluctuating temperature alleviates <i>Daphnia</i> stoichiometric constraints. <i>Scientific Reports</i> , 2021, 11, 12383.	3.3	1
4	Low-decomposition rates of riparian litter in a North Patagonian ultraoligotrophic lake. <i>Limnologia</i> , 2021, 90, 125906.	1.5	5
5	Litter decomposition of the invasive <i>Potentilla anserina</i> in an invaded and non-invaded freshwater environment of North Patagonia. <i>Biological Invasions</i> , 2020, 22, 1055-1065.	2.4	11
6	Effect of chronic UVR exposure on zooplankton molting and growth. <i>Environmental Pollution</i> , 2020, 267, 115448.	7.5	8
7	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
8	Modelling the consequence of glacier retreat on mixotrophic nanoflagellate bacterivory: a Bayesian approach. <i>Oikos</i> , 2020, 129, 1216-1228.	2.7	5
9	Melanin and antipredatory defenses in <i>Daphnia dadayana</i> under UVR exposure. <i>International Review of Hydrobiology</i> , 2020, 105, 106-114.	0.9	3
10	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
11	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
12	Nutritional stress by means of high C:N ratios in the diet and starvation affects nitrogen isotope ratios and trophic fractionation of omnivorous copepods. <i>Oecologia</i> , 2019, 190, 547-557.	2.0	11
13	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
14	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
15	Preface: Andean Patagonian lakes as sensors of global change. <i>Hydrobiologia</i> , 2018, 816, 1-2.	2.0	5
16	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
17	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
18	When eating a prey is risky: Implications for predator diel vertical migration. <i>Limnology and Oceanography</i> , 2018, 63, 939-950.	3.1	5

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19	Sustained effects of volcanic ash on biofilm stoichiometry, enzyme activity and community composition in North- Patagonia streams. <i>Science of the Total Environment</i> , 2018, 621, 235-244.	8.0	13
20	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
21	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
22	Glacier melting and response of Daphnia oxidative stress. <i>Journal of Plankton Research</i> , 2017, 39, 675-686.	1.8	14
23	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
24	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
25	Effects of Volcanic Pumice Inputs on Microbial Community Composition and Dissolved C/P Ratios in Lake Waters: an Experimental Approach. <i>Microbial Ecology</i> , 2016, 71, 18-28.	2.8	11
26	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
27	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
28	Does the stoichiometric carbon:phosphorus knife edge apply for predaceous copepods?. <i>Oecologia</i> , 2015, 178, 557-569.	2.0	24
29	The abundance of mixotrophic algae drives the carbon isotope composition of the copepod <i>Boeckella gracilipes</i> in shallow Patagonian lakes. <i>Journal of Plankton Research</i> , 2015, 37, 441-451.	1.8	12
30	Community Structure and Biogeochemical Impacts of Microbial Life on Floating Pumice. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1542-1549.	3.1	35
31	Prey C:P ratio and phosphorus recycling by a planktivorous fish: advantages of fish selection towards pelagic cladocerans. <i>Ecology of Freshwater Fish</i> , 2015, 24, 214-224.	1.4	13
32	Can increased glacial melting resulting from global change provide attached algae with transient protection against high irradiance?. <i>Freshwater Biology</i> , 2014, 59, 2290-2302.	2.4	14
33	Photosynthetic picoplankton in Argentina lakes. <i>Advances in Limnology</i> , 2014, 65, 343-357.	0.4	14
34	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
35	Mixotrophy in Argentina freshwaters. <i>Advances in Limnology</i> , 2014, 65, 359-374.	0.4	9
36	Phylogenetic diversity of nonmarine picocyanobacteria. <i>FEMS Microbiology Ecology</i> , 2013, 85, 293-301.	2.7	66

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37	Effect of volcanic eruption on nutrients, light, and phytoplankton in oligotrophic lakes. <i>Limnology and Oceanography</i> , 2013, 58, 1165-1175.	3.1	42
38	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
39	The susceptibility of cladocerans in N-orth A-ndean P-atagonian lakes to volcanic ashes. <i>Freshwater Biology</i> , 2013, 58, 1878-1888.	2.4	20
40	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
41	Precipitation patterns, dissolved organic matter and changes in the plankton assemblage in Lake Escondido (Patagonia, Argentina). <i>Hydrobiologia</i> , 2012, 691, 189-202.	2.0	14
42	Fish-mediated trait compensation in zooplankton. <i>Functional Ecology</i> , 2012, 26, 608-615.	3.6	28
43	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
44	Rapid Enzymatic Response to Compensate UV Radiation in Copepods. <i>PLoS ONE</i> , 2012, 7, e32046.	2.5	27
45	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
46	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
47	Glacial clay affects foraging performance in a Patagonian fish and cladoceran. <i>Hydrobiologia</i> , 2011, 663, 101-108.	2.0	25
48	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
49	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
50	Effect of Ultraviolet Radiation on Acetylcholinesterase Activity in Freshwater Copepods. <i>Photochemistry and Photobiology</i> , 2010, 86, 367-373.	2.5	30
51	Ultraviolet Radiation Induces Filamentation in Bacterial Assemblages from North Andean Patagonian Lakes. <i>Photochemistry and Photobiology</i> , 2010, 86, 871-881.	2.5	16
52	UVR induce optical changes and phosphorous release of lake water and macrophyte leachates in shallow Andean lakes. <i>Journal of Limnology</i> , 2010, 69, 112.	1.1	12
53	Herbivory versus omnivory: linking homeostasis and elemental imbalance in copepod development. <i>Journal of Plankton Research</i> , 2010, 32, 1573-1582.	1.8	36
54	Picocyanobacterial assemblages in ultraoligotrophic Andean lakes reveal high regional microdiversity. <i>Journal of Plankton Research</i> , 2010, 32, 357-366.	1.8	24

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55	Balance between primary and bacterial production in North Patagonian shallow lakes. <i>Aquatic Ecology</i> , 2009, 43, 867-878.	1.5	18
56	Chemical signals and habitat selection by three zooplankters in Andean Patagonian ponds. <i>Freshwater Biology</i> , 2009, 54, 480-494.	2.4	9
57	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
58	Temporal variations in the diet of the exotic rainbow trout ( <i>Oncorhynchus mykiss</i> ) in an Andean-Patagonian canopied stream. <i>Revista Chilena De Historia Natural</i> , 2009, 82, .	1.2	10
59	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
60	Zooplankton of Fishless Ponds of Northern Patagonia: Insights into Predation Effects of <i>Mesostoma ehrenbergii</i> . <i>International Review of Hydrobiology</i> , 2008, 93, 312-327.	0.9	9
61	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
62	Living in transparent lakes: Low food P:C ratio decreases antioxidant response to ultraviolet radiation in <i>Daphnia</i> . <i>Limnology and Oceanography</i> , 2008, 53, 2383-2390.	3.1	43
63	Susceptibility of bacterioplankton to nutrient enrichment of oligotrophic and ultraoligotrophic lake waters. <i>Journal of Limnology</i> , 2008, 67, 120.	1.1	26
64	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
65	Phytoplankton absorption spectra along the water column in deep North Patagonian Andean lakes (Argentina). <i>Limnologica</i> , 2007, 37, 3-16.	1.5	31
66	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
67	<i>Daphnia</i> distribution in Andean Patagonian lakes: effect of low food quality and fish predation. <i>Aquatic Ecology</i> , 2007, 41, 599-609.	1.5	44
68	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
69	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
70	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
71	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
72	When prey mating increases predation risk: the relationship between the flatworm <i>Mesostoma ehrenbergii</i> and the copepod <i>Boeckella gracilis</i> . <i>Archiv für Hydrobiologie</i> , 2005, 163, 555-569.	1.1	13

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73	Picocyanobacterial photosynthetic efficiency under Daphnia grazing pressure. Journal of Plankton Research, 2004, 26, 1471-1477.	1.8	15
74	Grazing impact of two aquatic invertebrates on periphyton from an Andean-Patagonian stream. Archiv für Hydrobiologie, 2004, 159, 455-471.	1.1	26
75	The Role of the Predaceous Copepod Parabroteas Sarsi in the Pelagic Food Web of a Large Deep Andean Lake. Hydrobiologia, 2004, 524, 67-77.	2.0	19
76	Increase in photosynthetic efficiency as a strategy of planktonic organisms exploiting deep lake layers. Freshwater Biology, 2004, 49, 160-169.	2.4	28
77	Experimental Analysis of Grazing by the Mayfly Meridialis chiloeensis on Different Successional Stages of Stream Periphyton. International Review of Hydrobiology, 2004, 89, 263-277.	0.9	8
78	Grazing impact on autotrophic picoplankton in two south Andean lakes (Patagonia, Argentina) with different light:nutrient ratios. Revista Chilena De Historia Natural, 2004, 77, .	1.2	25
79	Impact of different zooplankton structures on the microbial food web of a South Andean oligotrophic lake. Acta Oecologica, 2003, 24, S289-S298.	1.1	36
80	Mixotrophic ciliates in an Andean lake: dependence on light and prey of an Ophrydium naumannii population. Freshwater Biology, 2002, 47, 121-128.	2.4	40
81	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
82	Planktonic ciliates from an oligotrophic South Andean lake, Morenito Lake (Patagonia, Argentina). Brazilian Journal of Biology, 2001, 61, 389-395.	0.9	13
83	Title is missing!. Hydrobiologia, 1998, 387/387, 289-294.	2.0	20
84	Structure and dynamics of food webs in Andean lakes. Lakes and Reservoirs: Research and Management, 1998, 3, 179-186.	0.9	86
85	Phytoplankton responses to experimental enhancement of grazing pressure and nutrient recycling in a small Andean lake. Freshwater Biology, 1998, 40, 41-49.	2.4	26
86	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
87	Influence of abiotic and biotic factors on morphological variation of Keratella cochlearis (Gosse) in a small Andean lake. , 1998, , 289-294.		1
88	Nutrient recycling and shifts in N:P ratio by different zooplankton structures in a South Andes lake. Journal of Plankton Research, 1997, 19, 805-817.	1.8	39
89	Keratella distribution in North Patagonian lakes (Argentina). Hydrobiologia, 1996, 321, 1-6.	2.0	5
90	The attenuation of solar UV radiation in lakes and the role of dissolved organic carbon. Limnology and Oceanography, 1995, 40, 1381-1391.	3.1	692

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91	Spring-Summer Succession of Planktonic Rotifers in a South Andes Lake. <i>International Review of Hydrobiology</i> , 1994, 79, 373-383.	0.6	6
92	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
93	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
94	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
95	Evidence of interference of <i>Asterionella formosa</i> with the feeding of <i>Bosmina longirostris</i> : a field study in a south Andes lake. <i>Hydrobiologia</i> , 1991, 224, 111-116.	2.0	9
96	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
97	Modelling key variables for understanding the effects of grazing and nutrient recycling by zooplankton on the freshwater microbial loop. <i>Freshwater Biology</i> , 0, , .	2.4	3