

# Marie-Elodie Perga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6703716/publications.pdf>

Version: 2024-02-01

73  
papers

2,559  
citations

147801

31  
h-index

214800

47  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced bioavailability of dissolved organic matter (DOM) in human-disturbed streams in Alpine fluvial networks. <i>Biogeosciences</i> , 2022, 19, 187-200.	3.3	7
2	Whiting Events in a Large Perialpine Lake: Evidence of a Catchmentâ€Scale Process. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	6
3	Reframing Lake Geneva ecological trajectory in a context of multiple but asynchronous pressures. <i>Journal of Paleolimnology</i> , 2021, 65, 353-368.	1.6	3
4	<sc>EXPLORE</sc>: A floating laboratory on Lake Geneva offering unique lake research opportunities. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1544.	6.5	20
5	Heterogeneous responses of lake CO <sub>2</sub> to nutrients and warming in perialpine lakes imprinted in subfossil cladoceran $\delta^{13}C$ values. <i>Science of the Total Environment</i> , 2021, 782, 146923.	8.0	0
6	Paleoecological evidence for a multi-trophic regime shift in a perialpine lake (Lake Joux, Switzerland). <i>Anthropocene</i> , 2021, 35, 100301.	3.3	12
7	Fasting or feeding: A planktonic food web under lake ice. <i>Freshwater Biology</i> , 2021, 66, 570-581.	2.4	5
8	Accounting for surface waves improves gas flux estimation at high wind speed in a large lake. <i>Earth System Dynamics</i> , 2021, 12, 1169-1189.	7.1	5
9	A rotiferan version of the punishment of Sisyphus?. <i>Ecology</i> , 2020, 101, e02934.	3.2	3
10	Scientistsâ€™ Warning to Humanity: Rapid degradation of the worldâ€™s large lakes. <i>Journal of Great Lakes Research</i> , 2020, 46, 686-702.	1.9	140
11	Hydropower operations modulate sensitivity to meteorological forcing in a high altitude reservoir. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	2
12	Variability in epilimnion depth estimations in lakes. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5559-5577.	4.9	25
13	Non-conservative patterns of dissolved organic matter degradation when and where lake water mixes. <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	16
14	Trophic position and individual feeding habits as drivers of differential PCB bioaccumulation in fish populations. <i>Science of the Total Environment</i> , 2019, 674, 472-481.	8.0	19
15	Using stable isotope approach to quantify pond dam impacts on isotopic niches and assimilation of resources by invertebrates in temporary streams: a case study. <i>Hydrobiologia</i> , 2019, 834, 163-181.	2.0	6
16	Lateral variations and vertical structure of the microbial methane cycle in the sediment of Lake Onego (Russia). <i>Inland Waters</i> , 2019, 9, 205-226.	2.2	8
17	Seeking alternative stable states in a deep lake. <i>Freshwater Biology</i> , 2018, 63, 553-568.	2.4	26
18	Causal networks reveal the dominance of bottom-up interactions in large, deep lakes. <i>Ecological Modelling</i> , 2018, 368, 136-146.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Can we detect ecosystem critical transitions and signals of changing resilience from paleoecological records?. <i>Ecosphere</i> , 2018, 9, e02438.	2.2	25
20	Parasitic versus nutritional regulation of natural fish populations. <i>Ecology and Evolution</i> , 2018, 8, 8713-8725.	1.9	9
21	There's no harm in having too much: A comprehensive toolbox of methods in trophic ecology. <i>Food Webs</i> , 2018, 17, e00100.	1.2	47
22	Large and deep perialpine lakes: a paleolimnological perspective for the advance of ecosystem science. <i>Hydrobiologia</i> , 2018, 824, 291-321.	2.0	16
23	Storm impacts on alpine lakes: Antecedent weather conditions matter more than the event intensity. <i>Global Change Biology</i> , 2018, 24, 5004-5016.	9.5	41
24	Bioconcentration may be favoured over biomagnification for fish PCB contamination in high altitude lakes. <i>Inland Waters</i> , 2017, 7, 14-26.	2.2	5
25	Tracking a century of changes in microbial eukaryotic diversity in lakes driven by nutrient enrichment and climate warming. <i>Environmental Microbiology</i> , 2017, 19, 2873-2892.	3.8	64
26	Are flood-driven turbidity currents hot spots for priming effect in lakes?. <i>Biogeosciences</i> , 2016, 13, 3573-3584.	3.3	15
27	Local human pressures influence gene flow in a hybridizing <i>Daphnia</i> species complex. <i>Journal of Evolutionary Biology</i> , 2016, 29, 720-735.	1.7	18
28	A century of human-driven changes in the carbon dioxide concentration of lakes. <i>Global Biogeochemical Cycles</i> , 2016, 30, 93-104.	4.9	46
29	Global spread of hypoxia in freshwater ecosystems during the last three centuries is caused by rising local human pressure. <i>Global Change Biology</i> , 2016, 22, 1481-1489.	9.5	248
30	Tracking a century of change in trophic structure and dynamics in a floodplain wetland: integrating palaeoecological and palaeoisotopic evidence. <i>Freshwater Biology</i> , 2015, 60, 711-723.	2.4	27
31	High-resolution paleolimnology opens new management perspectives for lakes adaptation to climate warming. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	2.2	45
32	Mass budget in two high altitude lakes reveals their role as atmospheric PCB sinks. <i>Science of the Total Environment</i> , 2015, 511, 203-213.	8.0	17
33	Historical Profiles of PCB in Dated Sediment Cores Suggest Recent Lake Contamination through the "Halo Effect". <i>Environmental Science &amp; Technology</i> , 2015, 49, 1303-1310.	10.0	22
34	Changes in carbon sources fueling benthic secondary production over depth and time: coupling Chironomidae stable carbon isotopes to larval abundance. <i>Oecologia</i> , 2015, 178, 603-614.	2.0	15
35	Particle-Dissolved Phase Partition of Polychlorinated Biphenyls in High Altitude Alpine Lakes. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9620-9628.	10.0	14
36	Climate controls on the Holocene development of a subarctic lake in northern Fennoscandia. <i>Quaternary Science Reviews</i> , 2015, 126, 175-185.	3.0	15

#	ARTICLE	IF	CITATIONS
37	Effects of nutrients and warming on <i>Plectonanthus</i> dynamics and diversity: a palaeolimnological view based on sedimentary DNA and RNA. <i>Freshwater Biology</i> , 2015, 60, 31-49.	2.4	34
38	Indicators of climate: Ecrins National Park participates in long-term monitoring to help determine the effects of climate change. <i>Eco Mont</i> , 2015, 8, 44-52.	0.1	2
39	Depth-specific responses of a chironomid assemblage to contrasting anthropogenic pressures: a palaeolimnological perspective from the last 150 years. <i>Freshwater Biology</i> , 2014, 59, 26-40.	2.4	13
40	A 4D sedimentological approach to reconstructing the flood frequency and intensity of the Rhône River (Lake Bourget, NW European Alps). <i>Journal of Paleolimnology</i> , 2014, 51, 469-483.	1.6	42
41	Sensitivity and responses of diatoms to climate warming in lakes heavily influenced by humans. <i>Freshwater Biology</i> , 2014, 59, 1755-1767.	2.4	40
42	Reconstructing long-term changes (150 years) in the carbon cycle of a clearwater lake based on the stable carbon isotope composition ( $\delta^{13}C$ ) of chironomid and cladoceran subfossil remains. <i>Freshwater Biology</i> , 2014, 59, 789-802.	2.4	33
43	Inherited hypoxia: A new challenge for reoligotrophic lakes under global warming. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1413-1423.	4.9	41
44	Chironomid assemblages in cores from multiple water depths reflect oxygen-driven changes in a deep French lake over the last 150 years. <i>Journal of Paleolimnology</i> , 2013, 50, 257-273.	1.6	25
45	Are cyanobacterial blooms trophic dead ends?. <i>Oecologia</i> , 2013, 172, 551-562.	2.0	34
46	Local forcings affect lake zooplankton vulnerability and response to climate warming. <i>Ecology</i> , 2013, 94, 2767-2780.	3.2	49
47	How pollen organic matter enters freshwater food webs. <i>Limnology and Oceanography</i> , 2013, 58, 1185-1195.	3.1	43
48	A spatiotemporal investigation of varved sediments highlights the dynamics of hypolimnetic hypoxia in a large hardwater lake over the last 150 years. <i>Limnology and Oceanography</i> , 2013, 58, 1395-1408.	3.1	55
49	DNA from lake sediments reveals the long-term dynamics and diversity of <i>Synechococcus</i> assemblages. <i>Biogeosciences</i> , 2013, 10, 3817-3838.	3.3	42
50	Trophic history of French sub-alpine lakes over the last ~150 years: phosphorus reconstruction and assessment of taphonomic biases. <i>Journal of Limnology</i> , 2013, 72, 34.	1.1	25
51	Assessing the reliability of fatty acid-specific stable isotope analysis for trophic studies. <i>Methods in Ecology and Evolution</i> , 2011, 2, 651-659.	5.2	74
52	Food quality of anemophilous plant pollen for zooplankton. <i>Limnology and Oceanography</i> , 2011, 56, 939-946.	3.1	33
53	Fatty acid transfer in the food web of a coastal Mediterranean lagoon: Evidence for high arachidonic acid retention in fish. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 91, 450-461.	2.1	50
54	Effects of production, sedimentation and taphonomic processes on the composition and size structure of sedimenting cladoceran remains in a large deep subalpine lake: paleo-ecological implications. <i>Hydrobiologia</i> , 2011, 676, 101-116.	2.0	15

#	ARTICLE	IF	CITATIONS
55	Taphonomic and early diagenetic effects on the C and N stable isotope composition of cladoceran remains: implications for paleoecological studies. <i>Journal of Paleolimnology</i> , 2011, 46, 203-213.	1.6	30
56	Quantitative PCR Enumeration of Total/Toxic <i>Planktothrix rubescens</i> and Total Cyanobacteria in Preserved DNA Isolated from Lake Sediments. <i>Applied and Environmental Microbiology</i> , 2011, 77, 8744-8753.	3.1	51
57	Potential of $\delta^{13}C$ and $\delta^{15}N$ of cladoceran subfossil exoskeletons for paleo-ecological studies. <i>Journal of Paleolimnology</i> , 2010, 44, 387-395.	1.6	39
58	Re-examination of the temperature-dependent relationship between $\delta^{18}O$ diatoms and $\delta^{18}O$ lake water and implications for paleoclimate inferences. <i>Journal of Paleolimnology</i> , 2010, 44, 547-557.	1.6	34
59	How well can the fatty acid content of lake seston be predicted from its taxonomic composition?. <i>Freshwater Biology</i> , 2010, 55, 1958-1972.	2.4	25
60	Laboratory measures of isotope discrimination factors: comments on Caut, Angulo & Courchamp (2008, 2009). <i>Journal of Applied Ecology</i> , 2010, 47, 942-947.	4.0	46
61	Nutritional importance of minor dietary sources for leaping grey mullet <i>Liza saliens</i> (Mugilidae) during settlement: insights from fatty acid $\delta^{13}C$ analysis. <i>Marine Ecology - Progress Series</i> , 2010, 404, 207-217.	1.9	40
62	A century of bottom-up and top-down driven changes on a lake planktonic food web: A paleoecological and paleoisotopic study of Lake Annecy, France. <i>Limnology and Oceanography</i> , 2010, 55, 803-816.	3.1	47
63	Essential fatty acid concentrations of different seston sizes and zooplankton: a field study of monomictic coastal lakes. <i>Journal of Plankton Research</i> , 2009, 31, 635-645.	1.8	35
64	Origins of carbon sustaining the growth of whitefish <i>Coregonus lavaretus</i> early larval stages in Lake Annecy: insights from fatty acid biomarkers. <i>Journal of Fish Biology</i> , 2009, 74, 2-17.	1.6	21
65	Terrestrial carbon contribution to lake food webs: could the classical stable isotope approach be misleading?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2719-2727.	1.4	9
66	Seasonal variability in the $\delta^{13}C$ and $\delta^{15}N$ values of zooplankton taxa in two Alpine lakes. <i>Acta Oecologica</i> , 2006, 30, 69-77.	1.1	36
67	Changes in whitefish scales $\delta^{13}C$ during eutrophication and reoligotrophication of subalpine lakes. <i>Limnology and Oceanography</i> , 2006, 51, 772-780.	3.1	35
68	Hydroacoustic assessment of young-of-year perch, <i>Perca fluviatilis</i> , population dynamics in an oligotrophic lake (Lake Annecy, France). <i>Fisheries Management and Ecology</i> , 2006, 13, 319-327.	2.0	39
69	Carbon pathways to zooplankton: insights from the combined use of stable isotope and fatty acid biomarkers. <i>Freshwater Biology</i> , 2006, 51, 2041-2051.	2.4	49
70	Are fish what they eat all year round?. <i>Oecologia</i> , 2005, 144, 598-606.	2.0	229
71	Seasonal variations in fish $\delta^{13}C$ and $\delta^{15}N$ in two West African reservoirs, Sanku and Manantali (Mali): Modifications of trophic links in relation to water level. <i>Isotopes in Environmental and Health Studies</i> , 2005, 41, 109-123.	1.0	9
72	Changes in the $\delta^{13}C$ of pelagic food webs: the influence of lake area and trophic status on the isotopic signature of whitefish ( <i>Coregonus lavaretus</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 1485-1492.	1.4	29

#	ARTICLE	IF	CITATIONS
73	Using the $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of whitefish scales for retrospective ecological studies: changes in isotope signatures during the restoration of Lake Geneva, 1980-2001. <i>Journal of Fish Biology</i> , 2003, 63, 1197-1207.	1.6	80