

Barbara Leoni

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,024
citations

236612

25
h-index

253896

43
g-index

55
all docs

55
docs citations

55
times ranked

2306
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread deoxygenation of temperate lakes. <i>Nature</i> , 2021, 594, 66-70.	13.7	267
2	A critical review of interactions between microplastics, microalgae and aquatic ecosystem function. <i>Water Research</i> , 2021, 188, 116476.	5.3	195
3	Scientists's Warning to Humanity: Rapid degradation of the world's large lakes. <i>Journal of Great Lakes Research</i> , 2020, 46, 686-702.	0.8	140
4	Climatic effects on vertical mixing and deep-water oxygen content in the subalpine lakes in Italy. <i>Hydrobiologia</i> , 2018, 824, 33-50.	1.0	81
5	Effects of prenatal yolk androgens on armaments and ornaments of the ring-necked pheasant. <i>Behavioral Ecology and Sociobiology</i> , 2006, 59, 549-560.	0.6	78
6	Raman Spectroscopy for the Analysis of Microplastics in Aquatic Systems. <i>Applied Spectroscopy</i> , 2021, 75, 1341-1357.	1.2	78
7	Groundwater and surface water quality characterization through positive matrix factorization combined with GIS approach. <i>Water Research</i> , 2019, 159, 122-134.	5.3	74
8	Microplastics as a threat to coral reef environments: Detection of phthalate esters in neuston and scleractinian corals from the Faafu Atoll, Maldives. <i>Marine Pollution Bulletin</i> , 2019, 142, 234-241.	2.3	73
9	The effects of irrigation on groundwater quality and quantity in a human-modified hydro-system: The Oglio River basin, Po Plain, northern Italy. <i>Science of the Total Environment</i> , 2019, 672, 342-356.	3.9	54
10	Warming trends of perialpine lakes from homogenised time series of historical satellite and in-situ data. <i>Science of the Total Environment</i> , 2017, 578, 417-426.	3.9	51
11	Plankton dynamics across the freshwater, transitional and marine research sites of the LTER-Italy Network. Patterns, fluctuations, drivers. <i>Science of the Total Environment</i> , 2018, 627, 373-387.	3.9	51
12	Studies on the phytoplankton of the deep subalpine Lake Iseo. <i>Journal of Limnology</i> , 2003, 62, 177.	0.3	50
13	Sensitivity of the multiannual thermal dynamics of a deep pre-Alpine lake to climatic change. <i>Hydrological Processes</i> , 2015, 29, 767-779.	1.1	49
14	Influence of atmospheric modes of variability on the limnological characteristics of large lakes south of the Alps: a new emerging paradigm. <i>Hydrobiologia</i> , 2014, 731, 31-48.	1.0	47
15	Bioelectrochemical BTEX removal at different voltages: assessment of the degradation and characterization of the microbial communities. <i>Journal of Hazardous Materials</i> , 2018, 341, 120-127.	6.5	47
16	Identification of groundwater pollution sources in a landfill site using artificial sweeteners, multivariate analysis and transport modeling. <i>Waste Management</i> , 2019, 95, 116-128.	3.7	43
17	Examination marks of male university students positively correlate with finger length ratios (2D:4D). <i>Biological Psychology</i> , 2006, 71, 175-182.	1.1	33
18	Human digit ratios depend on birth order and sex of older siblings and predict maternal fecundity. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 34-45.	0.6	32

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19	Recent trends in chloride and sodium concentrations in the deep subalpine lakes (Northern Italy). <i>Environmental Science and Pollution Research</i> , 2015, 22, 19013-19026.	2.7	31
20	Choosing between linear and nonlinear models and avoiding overfitting for short and long term groundwater level forecasting in a linear system. <i>Journal of Hydrology</i> , 2019, 578, 124015.	2.3	30
21	Sexual dimorphism in metapodial and phalanges length ratios in the wood mouse. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005, 286A, 955-961.	2.0	29
22	Data set for hydrodynamic lake model calibration: A deep prealpine case. <i>Water Resources Research</i> , 2013, 49, 7159-7163.	1.7	27
23	Ammonium Transformation in 14 Lakes along a Trophic Gradient. <i>Water (Switzerland)</i> , 2018, 10, 265.	1.2	27
24	A new record of <i>Craspedacusta sowerbii</i> , Lankester 1880 (Cnidaria, Limnomedusae) in Northern Italy. <i>Journal of Limnology</i> , 2010, 69, 189.	0.3	26
25	Recent invasion by a non-native cyprinid (common bream <i>Abramis brama</i>) is followed by major changes in the ecological quality of a shallow lake in southern Europe. <i>Biological Invasions</i> , 2013, 15, 2065-2079.	1.2	26
26	Using time scales to characterize phytoplankton assemblages in a deep subalpine lake during the thermal stratification period: Lake Iseo, Italy. <i>Water Resources Research</i> , 2016, 52, 1762-1780.	1.7	26
27	An R package for estimating river compound load using different methods. <i>Environmental Modelling and Software</i> , 2019, 117, 100-108.	1.9	26
28	Responses to local and global stressors in the large southern perialpine lakes: Present status and challenges for research and management. <i>Journal of Great Lakes Research</i> , 2020, 46, 752-766.	0.8	25
29	How does interannual trophic variability caused by vertical water mixing affect reproduction and population density of the <i>Daphnia longispina</i> group in Lake Iseo, a deep stratified lake in Italy?. <i>Inland Waters</i> , 2014, 4, 193-203.	1.1	24
30	Response of planktonic communities to calcium hydroxide addition in a hardwater eutrophic lake: results from a mesocosm experiment. <i>Limnology</i> , 2007, 8, 121-130.	0.8	23
31	Zooplankton as an early warning system of persistent organic pollutants contamination in a deep lake (lake Iseo, Northern Italy). <i>Journal of Limnology</i> , 2012, 71, 36.	0.3	22
32	Summer spatial variations in phytoplankton composition and biomass in surface waters of a warm-temperate, deep, oligo-holomictic lake: Lake Iseo, Italy. <i>Inland Waters</i> , 2014, 4, 303-310.	1.1	22
33	Long-term trends of chemical and modelled photochemical parameters in four Alpine lakes. <i>Science of the Total Environment</i> , 2016, 541, 247-256.	3.9	21
34	Microalgae colonization of different microplastic polymers in experimental mesocosms across an environmental gradient. <i>Global Change Biology</i> , 2022, 28, 1402-1413.	4.2	19
35	Avian hindlimb digit length ratios measured from radiographs are sexually dimorphic. <i>Journal of Anatomy</i> , 2008, 213, 425-430.	0.9	16
36	Lipid classes and fatty acids composition of the roe of wild <i>Silurus glanis</i> from subalpine freshwater. <i>Food Chemistry</i> , 2017, 232, 163-168.	4.2	16

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37	Sub-lethal effects of acetone on <i>Daphnia magna</i> . <i>Ecotoxicology</i> , 2008, 17, 199-205.	1.1	15
38	Overlapping redox zones control arsenic pollution in Pleistocene multi-layer aquifers, the Po Plain (Italy). <i>Science of the Total Environment</i> , 2021, 758, 143646.	3.9	13
39	Prokaryoplankton and phytoplankton community compositions in five large deep perialpine lakes. <i>Hydrobiologia</i> , 2018, 824, 71-92.	1.0	12
40	Zooplankton predators and prey: body size and stable isotope to investigate the pelagic food web in a deep lake (Lake Iseo, Northern Italy). <i>Journal of Limnology</i> , 2016, , .	0.3	11
41	Long-term studies for evaluating the impacts of natural and anthropic stressors on limnological features and the ecosystem quality of Lake Iseo. <i>Advances in Oceanography and Limnology</i> , 2019, 10, .	0.2	11
42	Population dynamics of <i>Chaoborus flavicans</i> and <i>Daphnia</i> spp.: effects on a zooplankton community in a volcanic eutrophic lake with naturally high metal concentrations (L. Monticchio Grande, Southern Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	10
43	Relationships among climate variability, Cladocera phenology and the pelagic food web in deep lakes in different trophic states. <i>Marine and Freshwater Research</i> , 2018, 69, 1534.	0.7	10
44	The contribution of <i>Potamogeton crispus</i> to the phosphorus budget of an urban shallow lake: Lake Monger, Western Australia. <i>Limnology</i> , 2016, 17, 175-182.	0.8	9
45	Comparison of Different Procedures for Separating Microplastics from Sediments. <i>Water (Switzerland)</i> , 2021, 13, 2854.	1.2	9
46	Chloride Balance in Freshwater System of a Highly Anthropized Subalpine Area: Load and Source Quantification Through a Watershed Approach. <i>Water Resources Research</i> , 2020, 56, e2019WR026024.	1.7	8
47	Global data set of long-term summertime vertical temperature profiles in 153 lakes. <i>Scientific Data</i> , 2021, 8, 200.	2.4	7
48	Enzymatic variability in sympatric species of <i>Tubifex</i> (Clitellata: Tubificidae). , 1999, 406, 83-86.		6
49	Freshwater system of coral inhabited island: Availability and vulnerability (Magoodhoo Island of Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.9	6
50	Manganese-mediated hydrochemistry and microbiology in a meromictic subalpine lake (Lake Idro,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.9	6
51	Interspecific Relationship and Ecological Requirements of Two Potentially Harmful Cyanobacteria in a Deep South-Alpine Lake (L. Iseo, I). <i>Water (Switzerland)</i> , 2017, 9, 993.	1.2	4
52	Multivariate statistical analysis supporting the hydrochemical characterization of groundwater and surface water: a case study in northern Italy. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 47, 90-96.	0.3	4
53	Cladocera paleocommunity to disentangle the impact of anthropogenic and climatic stressors on a deep subalpine lake ecosystem (Lake Iseo, Italy). <i>Aquatic Ecology</i> , 2021, 55, 607-621.	0.7	3
54	Coccolithophore assemblages and a new species of <i>Alisphaera</i> from the Faafu Atoll, Maldives, Indian Ocean. <i>Marine Micropaleontology</i> , 2022, 172, 102110.	0.5	1

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55	Causes of Daphnia midsummer decline in two deep meromictic subalpine lakes. <i>Freshwater Biology</i> , 2020, 65, 731-744.	1.2	0