Giovanna Flaim

List of Publications by Year
in descending order

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63 papers	2,103 citations	201674 27 h-index	243625 44 g-index
63 all docs	63 docs citations	63 times ranked	2683 citing authors

#	Article	IF	Citations
1	Widespread deoxygenation of temperate lakes. Nature, 2021, 594, 66-70.	27.8	267
2	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. Toxins, 2018, 10, 156.	3.4	159
3	Automatic High Frequency Monitoring for Improved Lake and Reservoir Management. Environmental Science & Technology, 2016, 50, 10780-10794.	10.0	104
4	Using the guild ratio to characterize pelagic rotifer communities. Hydrobiologia, 2011, 662, 157-162.	2.0	85
5	Widespread diminishing anthropogenic effects on calcium in freshwaters. Scientific Reports, 2019, 9, 10450.	3.3	84
6	Consequences of lake and river ice loss on cultural ecosystem services. Limnology and Oceanography Letters, 2019, 4, 119-131.	3.9	81
7	Dinoflagellates of the Trentino Province, Italy. Journal of Limnology, 2007, 66, 107.	1.1	76
8	Global CO2 emissions from dry inland waters share common drivers across ecosystems. Nature Communications, 2020, 11, 2126.	12.8	73
9	Water residence time as a driving force of zooplankton structure and succession. Aquatic Sciences, 2007, 69, 575-583.	1.5	66
10	Temperature and the size of freshwater phytoplankton. Hydrobiologia, 2021, 848, 143-155.	2.0	62
11	Plankton dynamics across the freshwater, transitional and marine research sites of the LTER-Italy Network. Patterns, fluctuations, drivers. Science of the Total Environment, 2018, 627, 373-387.	8.0	51
12	Saving water for the future: Public awareness of water usage and water quality. Journal of Environmental Management, 2019, 242, 246-257.	7.8	50
13	The unique methodological challenges of winter limnology. Limnology and Oceanography: Methods, 2019, 17, 42-57.	2.0	47
14	Temperatureâ€induced changes in lipid biomarkers and mycosporineâ€like amino acids in the psychrophilic dinoflagellate <scp>P</scp>eridinium aciculiferum. Freshwater Biology, 2014, 59, 985-997.	2.4	45
15	Cryptic diversity within the rotifer Polyarthra dolichoptera along an altitudinal gradient. Freshwater Biology, 2014, 59, 2413-2427.	2.4	43
16	Studies on woloszynskioid dinoflagellates II: OnTovellia sanguineasp. nov., the dinoflagellate responsible for the reddening of Lake Tovel, N. Italy. European Journal of Phycology, 2006, 41, 47-65.	2.0	40
17	Multifactorial nature of rotifer water layer preferences in an oligotrophic lake. Journal of Plankton Research, 2008, 30, 633-643.	1.8	39
18	Comparative Analysis of Membrane Lipids in Psychrophilic and Mesophilic Freshwater Dinoflagellates. Frontiers in Plant Science, 2016, 7, 524.	3.6	39

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19	Dissolved oxygen dynamics under ice: Three winters of highâ€frequency data from <scp>L</scp>ake <scp>T</scp>ovel, <scp>I</scp>taly. Water Resources Research, 2017, 53, 7234-7246.	4.2	37
20	An affordable and reliable assessment of aquatic decomposition: Tailoring the Tea Bag Index to surface waters. Water Research, 2019, 151, 31-43.	11.3	37
21	Planktothrix populations in subalpine lakes: selection for strains with strong gas vesicles as a function of lake depth, morphometry and circulation. Freshwater Biology, 2011, 56, 1481-1493.	2.4	36
22	Using DNA taxonomy to investigate the ecological determinants of plankton diversity: explaining the occurrence of Synchaeta spp. (Rotifera, Monogononta) in mountain lakes. Freshwater Biology, 2012, 57, 1545-1553.	2.4	34
23	A new method for the identification and the structural characterisation of carotenoid esters in freshwater microorganisms by liquid chromatography/electrospray ionisation tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3531-3539.	1.5	32
24	Community assembly of rotifers based on morphological traits. Hydrobiologia, 2015, 753, 31-45.	2.0	32
25	Taxonomic and functional diversity of rotifers, what do they tell us about community assembly?. Hydrobiologia, 2018, 823, 79-91.	2.0	32
26	LTSER platforms as a place-based transdisciplinary research infrastructure: learning landscape approach through evaluation. Landscape Ecology, 2019, 34, 1461-1484.	4.2	32
27	Effects of reâ€oligotrophication and climate change on lake thermal structure. Freshwater Biology, 2016, 61, 1802-1814.	2.4	31
28	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. Scientific Data, 2018, 5, 180226.	5.3	30
29	Ice Cover and Extreme Events Determine Dissolved Oxygen in a Placid Mountain Lake. Water Resources Research, 2020, 56, e2020WR027321.	4.2	26
30	Rotifer species richness along an altitudinal gradient in the Alps. Global Ecology and Biogeography, 2010, 19, 895-904.	5.8	23
31	Phytoplankton functional response to spatial and temporal differences in a cold and oligotrophic lake. Hydrobiologia, 2016, 764, 199-209.	2.0	23
32	Trophi morphology and its usefulness for identification of formalin-preserved species of Synchaeta Ehrenberg, 1832 (Rotifera: Monogononta: Synchaetidae). Zoologischer Anzeiger, 2006, 245, 109-120.	0.9	21
33	Changes in galactolipid composition of the cold freshwater dinoflagellate Borghiella dodgei in response to temperature. Hydrobiologia, 2012, 698, 285-293.	2.0	21
34	Increased winter drownings in ice-covered regions with warmer winters. PLoS ONE, 2020, 15, e0241222.	2.5	21
35	Stratification strength and light climate explain variation in chlorophyll <scp>a</scp> at the continental scale in a European multilake survey in a heatwave summer. Limnology and Oceanography, 2021, 66, 4314-4333.	3.1	19
36	High production of unexpected carotenoids in Dinophyceae. Astaxanthin esters from the freshwater dinoflagellate Tovellia sanguinea. Biochemical Systematics and Ecology, 2006, 34, 843-853.	1.3	18

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37	Eco-fingerprinting of the dinoflagellate Borghiella dodgei: experimental evidence of a specific environmental niche. Hydrobiologia, 2010, 639, 85-98.	2.0	18
38	Use of Î´18O in the interpretation of hydrological dynamics in lakes. Journal of Limnology, 2009, 68, 174.	1.1	15
39	Rotiferâ€“crustacean interactions in a pseudokarstic lake: influence of hydrology. Aquatic Ecology, 2010, 44, 121-130.	1.5	15
40	Title is missing!. Water, Air, and Soil Pollution, 2001, 125, 189-200.	2.4	14
41	A filtering unit for the removal of pesticide residues from aqueous solutions. Water Research, 1988, 22, 657-661.	11.3	13
42	Reinterpretation of the dinoflagellate â€˜Glenodinium sanguineumâ€™ in the reddening of Lake Tovel, Italian Alps. Phycologia, 2004, 43, 737-743.	1.4	13
43	Research questions to facilitate the future development of European long-term ecosystem research infrastructures: A horizon scanning exercise. Journal of Environmental Management, 2019, 250, 109479.	7.8	13
44	Stable isotopes of lakes and precipitation along an altitudinal gradient in the Eastern Alps. Biogeochemistry, 2013, 116, 187-198.	3.5	11
45	Temporal variability of bacterioplankton is habitat driven. Molecular Ecology, 2018, 27, 4322-4335.	3.9	11
46	ADAPTATION OF A PSYCHROPHILIC FRESHWATER DINOFLAGELLATE TO ULTRAVIOLET RADIATION1. Journal of Phycology, 2011, 47, 811-820.	2.3	10
47	Long-term trends in species composition and diurnal migration of dinoflagellates in Lake Tovel (Trentino, Italy). Hydrobiologia, 2003, 502, 357-366.	2.0	9
48	Virtual Growing Pains: Initial Lessons Learned from Organizing Virtual Workshops, Summits, Conferences, and Networking Events during a Global Pandemic. Limnology and Oceanography Bulletin, 2021, 30, 1-11.	0.4	9
49	Shift from nival to pluvial recharge of an aquifer-fed lake increases water temperature. Inland Waters, 2019, 9, 261-274.	2.2	7
50	Preface: phytoplankton responses to human impacts at different scales. Hydrobiologia, 2012, 698, 1-3.	2.0	6
51	Multifaceted aspects of synchrony between freshwater prokaryotes and protists. Molecular Ecology, 2019, 28, 4500-4512.	3.9	6
52	Do inferences about freshwater phytoplankton communities change when based on microscopy or highâ€throughput sequencing data?. Freshwater Biology, 2021, 66, 640-655.	2.4	4
53	Habitat constraints of Synchaeta (Rotifera) in North Italian lakes (Trentino-South Tyrol). Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2008, 30, 302-306.	0.1	3
54	Treatment of post-harvest pesticide residues. Agriculture, Ecosystems and Environment, 1989, 27, 505-511.	5.3	2

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55	A 40-year perspective of an alpine lake: Is everything the same?. Limnologica, 2021, 91, 125929.	1.5	2
56	Long-term trends in species composition and diurnal migration of dinoflagellates in Lake Tovel (Trentino, Italy). , 2003, , 357-366.		2
57	Anthropogenically induced phytoplankton blooms in Lake Serraia, N. Italy. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2001, 27, 3370-3373.	0.1	1
58	The importance of hydraulic conditions in determining ecological equilibrium in Lake Tovel, Italy. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2006, 29, 1327-1330.	0.1	1
59	Tracking of algal cells: case study of swimming speed of cold-adapted dinoflagellates. Hydrobiologia, 2020, 847, 2203-2210.	2.0	1
60	SIMULATED SOFC EXHAUSTS AND THEIR FIXATION ON CHLORELLA VULGARIS: STUDY ON AFFECTING PARAMETERS. Detritus, 2019, In Press, 1.	0.9	1
61	The influence of biotic and abiotic factors on the seasonality of meso-zooplankton in Lake Tovel (Trentino, Italy). Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2005, 29, 865-868.	0.1	0
62	Investigation of the dinoflagellate community of Lake Tovel by genetic analysis of environmental samples. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2005, 29, 478-481.	0.1	0
63	Changes in galactolipid composition of the cold freshwater dinoflagellate Borghiella dodgei in response to temperature. , 2012, , 285-293.		0