Meryem BeklioÄlu

List of Publications by Year
in descending order

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87 papers	4,951 citations	147801 31 h-index	98798 67 g-index
88 all docs	88 docs citations	88 times ranked	5309 citing authors

#	Article	IF	Citations
1	Climate Change Effects on Runoff, Catchment Phosphorus Loading and Lake Ecological State, and Potential Adaptations. Journal of Environmental Quality, 2009, 38, 1930-1941.	2.0	502
2	The role of water-level fluctuations in shallow lake ecosystems â€“ workshop conclusions. Hydrobiologia, 2003, 506-509, 23-27.	2.0	406
3	Ecological impacts of global warming and water abstraction on lakes and reservoirs due to changes in water level and related changes in salinity. Hydrobiologia, 2015, 750, 201-227.	2.0	355
4	Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. Nature Ecology and Evolution, 2020, 4, 1060-1068.	7.8	336
5	Climate change effects on nitrogen loading from cultivated catchments in Europe: implications for nitrogen retention, ecological state of lakes and adaptation. Hydrobiologia, 2011, 663, 1-21.	2.0	242
6	Climate change impacts on lakes: an integrated ecological perspective based on a multi-faceted approach, with special focus on shallow lakes. Journal of Limnology, 2014, 73, .	1.1	235
7	Environmental Warming in Shallow Lakes. Advances in Ecological Research, 2012, 46, 259-349.	2.7	161
8	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. Toxins, 2018, 10, 156.	3.4	159
9	State of the art in the functioning of shallow Mediterranean lakes: workshop conclusions. Hydrobiologia, 2007, 584, 317-326.	2.0	152
10	Water level control over submerged macrophyte development in five shallow lakes of Mediterranean Turkey. Archiv FÃ¼r Hydrobiologie, 2006, 166, 535-556.	1.1	108
11	Modeling the effects of climatic and land use changes on phytoplankton and water quality of the largest Turkish freshwater lake: Lake BeyÄŸehir. Science of the Total Environment, 2018, 621, 802-816.	8.0	97
12	Freshwater salinisation: a research agenda for a saltier world. Trends in Ecology and Evolution, 2022, 37, 440-453.	8.7	93
13	A structurally dynamic modellingâ€"Lake Mogan, Turkey as a case study. Ecological Modelling, 2003, 164, 103-120.	2.5	80
14	Climate Change and the Future of Freshwater Biodiversity in Europe: A Primer for Policy-Makers. Freshwater Reviews: A Journal of the Freshwater Biological Association, 2009, 2, 103-130.	1.0	80
15	Hysteresis in vegetation shiftâ€"Lake Mogan prognoses. Ecological Modelling, 2003, 164, 227-238.	2.5	78
16	Consequences of reduced nutrient loading on a lake system in a lowland catchment: deviations from the norm?. Freshwater Biology, 2005, 50, 1687-1705.	2.4	73
17	Drought-induced changes in nutrient concentrations and retention in two shallow Mediterranean lakes subjected to different degrees of management. Hydrobiologia, 2010, 646, 61-72.	2.0	71
18	Salinization Increase due to Climate Change Will Have Substantial Negative Effects on Inland Waters: A Call for Multifaceted Research at the Local and Global Scale. Innovation(China), 2020, 1, 100030.	9.1	68

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19	The response of periphyton and submerged macrophytes to nitrogen and phosphorus loading in shallow warm lakes: a mesocosm experiment. Freshwater Biology, 2010, 55, 463-475.	2.4	65
20	Future water availability in the largest freshwater Mediterranean lake is at great risk as evidenced from simulations with the SWAT model. Science of the Total Environment, 2017, 581-582, 413-425.	8.0	62
21	Restoration of a shallow Mediterranean lake by biomanipulation complicated by drought. Fundamental and Applied Limnology, 2008, 171, 105-118.	0.7	61
22	Mesocosm experiments on the interaction of sediment influence, fish predation and aquatic plants with the structure of phytoplankton and zooplankton communities. Freshwater Biology, 1996, 36, 315-325.	2.4	57
23	Identification and mapping of submerged plants in a shallow lake using quickbird satellite data. Journal of Environmental Management, 2009, 90, 2138-2143.	7.8	56
24	Longâ€term effects of warming and nutrients on microbes and other plankton in mesocosms. Freshwater Biology, 2013, 58, 483-493.	2.4	56
25	The influence of water level on macrophyte growth and trophic interactions in eutrophic Mediterranean shallow lakes: a mesocosm experiment with and without fish. Freshwater Biology, 2012, 57, 1631-1642.	2.4	54
26	Temperature effects on body size of freshwater crustacean zooplankton from Greenland to the tropics. Hydrobiologia, 2015, 743, 27-35.	2.0	53
27	Changes in a deep lake following sewage diversion - a challenge to the orthodoxy of external phosphorus control as a restoration strategy?. Freshwater Biology, 1995, 34, 399-410.	2.4	49
28	The impact of pH on interactions among phytoplankton algae, zooplankton and perch (Perca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.4	46
29	Exposure to a microplastic mixture is altering the life traits and is causing deformities in the non-biting midge Chironomus riparius Meigen (1804). Environmental Pollution, 2020, 262, 114248.	7.5	43
30	Impacts of salinity and fish-exuded kairomone on the survival and macromolecular profile of Daphnia pulex. Ecotoxicology, 2012, 21, 601-614.	2.4	36
31	Effects of water temperature on summer periphyton biomass in shallow lakes: a pan-European mesocosm experiment. Aquatic Sciences, 2015, 77, 499-510.	1.5	34
32	Impact of nutrients and water level changes on submerged macrophytes along a temperature gradient: A panâ€European mesocosm experiment. Global Change Biology, 2020, 26, 6831-6851.	9.5	33
33	Sediments, not plants, offer the preferred refuge for Daphnia against fish predation in Mediterranean shallow lakes: an experimental demonstration. Freshwater Biology, 2012, 57, 795-802.	2.4	31
34	Similarity between contemporary vegetation and plant remains in the surface sediment in Mediterranean lakes. Freshwater Biology, 2014, 59, 724-736.	2.4	31
35	The future depends on what we do today â€“ Projecting Europe's surface water quality into three different future scenarios. Science of the Total Environment, 2019, 668, 470-484.	8.0	31
36	Food web effects of titanium dioxide nanoparticles in an outdoor freshwater mesocosm experiment. Nanotoxicology, 2016, 10, 902-912.	3.0	30

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37	The impact of climate change on a Mediterranean shallow lake: insights based on catchment and lake modelling. Regional Environmental Change, 2020, 20, 1.	2.9	30
38	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. Scientific Data, 2018, 5, 180226.	5.3	30
39	Modeling complex nonlinear responses of shallow lakes to fish and hydrology using artificial neural networks. Ecological Modelling, 2006, 196, 183-194.	2.5	29
40	Phytoplankton Community Response to Nutrients, Temperatures, and a Heat Wave in Shallow Lakes: An Experimental Approach. Water (Switzerland), 2020, 12, 3394.	2.7	29
41	Impact of alternating wet and dry periods on long-term seasonal phosphorus and nitrogen budgets of two shallow Mediterranean lakes. Science of the Total Environment, 2016, 563-564, 456-467.	8.0	28
42	Predictive models in ecology: Comparison of performances and assessment of applicability. Ecological Informatics, 2006, 1, 195-211.	5.2	25
43	Danish and other European experiences in managing shallow lakes. Lake and Reservoir Management, 2007, 23, 439-451.	1.3	25
44	Restoration of Eutrophic Lakes with Fluctuating Water Levels: A 20-Year Monitoring Study of Two Inter-Connected Lakes. Water (Switzerland), 2017, 9, 127.	2.7	24
45	Effects of waterfowl, large fish and periphyton on the spring growth of Potamogeton pectinatus L. in Lake Mogan, Turkey. Hydrobiologia, 2005, 537, 239-248.	2.0	23
46	Fish and mucus-dwelling bacteria interact to produce a kairomone that induces diel vertical migration in Daphnia. Freshwater Biology, 2006, 51, 2200-2206.	2.4	23
47	Effects of nutrient and water level changes on the composition and size structure of zooplankton communities in shallow lakes under different climatic conditions: a pan-European mesocosm experiment. Aquatic Ecology, 2017, 51, 257-273.	1.5	23
48	Effects of trophic status, water level, and temperature on shallow lake metabolism and metabolic balance: A standardized panâ€European mesocosm experiment. Limnology and Oceanography, 2019, 64, 616-631.	3.1	23
49	Effects of a microplastic mixture differ across trophic levels and taxa in a freshwater food web: In situ mesocosm experiment. Science of the Total Environment, 2022, 836, 155407.	8.0	23
50	Catastrophic-like shifts in shallow Turkish lakes: a modeling approach. Ecological Modelling, 2005, 183, 425-434.	2.5	20
51	Preface: Shallow lakes in a fast changing world. Hydrobiologia, 2016, 778, 9-11.	2.0	20
52	State of the art in the functioning of shallow Mediterranean lakes: workshop conclusions. , 2007, , 317-326.		20
53	Eutrophication and Restoration of Shallow Lakes from a Cold Temperate to a Warm Mediterranean and a (Sub)Tropical Climate. , 2010, , 91-108.		19
54	Decadal changes in size, salinity, waterbirds, and fish in lakes of the Konya Closed Basin, Turkey, associated with climate change and increasing water abstraction for agriculture. Inland Waters, 2021, 11, 538-555.	2.2	19

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55	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
56	Size-based diel migration of zooplankton in Mediterranean shallow lakes assessed from in situ experiments with artificial plants. Hydrobiologia, 2015, 753, 47-59.	2.0	18
57	Effects of warming and nutrients on the microbial food web in shallow lake mesocosms. European Journal of Protistology, 2018, 64, 1-12.	1.5	18
58	Molecular approach to the chemical characterization of fish-exuded kairomone: a Fourier transform infrared spectroscopic study. Aquatic Sciences, 2010, 72, 71-83.	1.5	17
59	Relatedness between contemporary and subfossil cladoceran assemblages in Turkish lakes. Journal of Paleolimnology, 2014, 52, 367-383.	1.6	17
60	The influence of nutrient loading, climate and water depth on nitrogen and phosphorus loss in shallow lakes: a pan-European mesocosm experiment. Hydrobiologia, 2016, 778, 13-32.	2.0	17
61	Absence of typical diel vertical migration in Daphnia: varying role of water clarity, food, and dissolved oxygen in Lake Eymir, Turkey. Hydrobiologia, 2005, 537, 125-133.	2.0	16
62	Fish assemblage and diversity in lakes of western and central Turkey: role of geo-climatic and other environmental variables. Hydrobiologia, 2016, 771, 31-44.	2.0	16
63	Sizeâ€based interactions across trophic levels in food webs of shallow Mediterranean lakes. Freshwater Biology, 2017, 62, 1819-1830.	2.4	16
64	Impact of food concentration on diel vertical migration behaviour of Daphnia pulex under fish predation risk. Hydrobiologia, 2008, 614, 321-327.	2.0	15
65	Effects of 4-nonylphenol, fish predation and food availability on survival and life history traits of Daphnia magna straus. Ecotoxicology, 2010, 19, 901-910.	2.4	15
66	Factors influencing nitrogen processing in lakes: an experimental approach. Freshwater Biology, 2015, 60, 646-662.	2.4	14
67	Non-native Fish Occurrence and Biomass in 1943 Western Palearctic Lakes and Reservoirs and their Abiotic and Biotic Correlates. Ecosystems, 2018, 21, 395-409.	3.4	14
68	Influences of climate and nutrient enrichment on the multiple trophic levels of Turkish shallow lakes. Inland Waters, 2020, 10, 173-185.	2.2	14
69	Multi-proxy palaeoecological responses to water-level fluctuations in three shallow Turkish lakes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 449, 553-566.	2.3	13
70	Patterns of microbial food webs in Mediterranean shallow lakes with contrasting nutrient levels and predation pressures. Hydrobiologia, 2018, 806, 13-27.	2.0	13
71	Snapshot Surveys for Lake Monitoring, More Than a Shot in the Dark. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	13
72	Impact of Nutrients, Temperatures, and a Heat Wave on Zooplankton Community Structure: An Experimental Approach. Water (Switzerland), 2020, 12, 3416.	2.7	13

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73	Energyâ€based topâ€down and bottomâ€up relationships between fish community energy demand or production and phytoplankton across lakes at a continental scale. Limnology and Oceanography, 2020, 65, 892-902.	3.1	13
74	Role of planktonic bacteria in biodegradation of fish-exuded kairomone in laboratory bioassays of diel vertical migration. Archiv FÃ¼r Hydrobiologie, 2006, 165, 89-104.	1.1	12
75	Title is missing!. Aquatic Ecology, 1999, 33, 167-173.	1.5	10
76	Inferring past environmental changes in three Turkish lakes from sub-fossil Cladocera. Hydrobiologia, 2016, 778, 295-312.	2.0	10
77	Size diversity and species diversity relationships in fish assemblages of Western Palearctic lakes. Ecography, 2018, 41, 1064-1076.	4.5	10
78	Nutrient Loading, Temperature and Heat Wave Effects on Nutrients, Oxygen and Metabolism in Shallow Lake Mesocosms Pre-Adapted for 11 Years. Water (Switzerland), 2021, 13, 127.	2.7	10
79	Increased Water Abstraction and Climate Change Have Substantial Effect on Morphometry, Salinity, and Biotic Communities in Lakes: Examples from the Semi-Arid Burdur Basin (Turkey). Water (Switzerland), 2022, 14, 1241.	2.7	10
80	Title is missing!. Aquatic Ecology, 1998, 32, 229-240.	1.5	7
81	Water level and fish-mediated cascading effects on the microbial community in eutrophic warm shallow lakes: a mesocosm experiment. Hydrobiologia, 2014, 740, 25-35.	2.0	7
82	Metadata of European Lake Fishes Dataset. Freshwater Metadata Journal, 0, , 1-8.	0.0	7
83	Macroecological Patterns of Resilience Inferred from a Multinational, Synchronized Experiment. Sustainability, 2015, 7, 1142-1160.	3.2	6
84	Changes in functional composition and diversity of waterbirds: The roles of water level and submerged macrophytes. Freshwater Biology, 2020, 65, 1845-1857.	2.4	5
85	The importance of allochthonous organic matter quality when investigating pulse disturbance events in freshwater lakes: a mesocosm experiment. Hydrobiologia, 2022, 849, 3905-3929.	2.0	5
86	Determinants of phytoplankton size structure in warm, shallow lakes. Journal of Plankton Research, 2021, 43, 353-366.	1.8	3
87	Brian Moss: the wizard of shallow lakes. Inland Waters, 2020, 10, 153-158.	2.2	0