

Dolors Planas

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,815
citations

236612

25
h-index

264894

42
g-index

49
all docs

49
docs citations

49
times ranked

2131
citing authors

#	ARTICLE	IF	CITATIONS
1	Methanogens: Principal Methylators of Mercury in Lake Periphyton. <i>Environmental Science & Technology</i> , 2011, 45, 7693-7700.	4.6	271
2	Planktonic production and respiration in oligotrophic Shield lakes. <i>Limnology and Oceanography</i> , 2000, 45, 189-199.	1.6	168
3	Mercury Methylation in the Epilithon of Boreal Shield Aquatic Ecosystems. <i>Environmental Science & Technology</i> , 2006, 40, 1540-1546.	4.6	83
4	Relationship between Extracellular Low-Molecular-Weight Thiols and Mercury Species in Natural Lake Periphytic Biofilms. <i>Environmental Science & Technology</i> , 2015, 49, 7709-7716.	4.6	81
5	Pelagic and benthic algal responses in eastern Canadian Boreal Shield lakes following harvesting and wildfires. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 136-145.	0.7	75
6	Quantitative Use of Stable Carbon Isotope Analysis to Determine the Trophic Base of Invertebrate Communities in a Boreal Forest Lotic System. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 52-61.	0.7	66
7	Biomass and composition of macroinvertebrate communities associated with different types of macrophyte architectures and habitats in a large fluvial lake. <i>Fundamental and Applied Limnology</i> , 2008, 171, 119-130.	0.4	65
8	Nitrate uptake and diffusive nitrate supply in the Central Atlantic. <i>Limnology and Oceanography</i> , 1999, 44, 116-126.	1.6	63
9	Comparison of methods to determine algal $\delta^{13}\text{C}$ in freshwater. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 51-63.	1.0	59
10	Top-Down Effects of Brook Trout (<i>Salvelinus fontinalis</i>) in a Boreal Forest Stream. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 2093-2103.	0.7	55
11	Recognition of nutrient and light limitation in turbid mixed layers: Three approaches compared in the Parani floodplain (Argentina). <i>Limnology and Oceanography</i> , 1994, 39, 580-596.	1.6	47
12	Mercury methylation and demethylation by periphyton biofilms and their host in a fluvial wetland of the St. Lawrence River (QC, Canada). <i>Science of the Total Environment</i> , 2015, 512-513, 464-471.	3.9	47
13	Total mercury and methylmercury accumulation in periphyton of Boreal Shield Lakes: Influence of watershed physiographic characteristics. <i>Science of the Total Environment</i> , 2006, 355, 247-258.	3.9	43
14	Recurrent internal waves in a small lake: Potential ecological consequences for metalimnetic phytoplankton populations. <i>Limnology & Oceanography Fluids & Environments</i> , 2011, 1, 91-109.	1.7	38
15	Physical variables driving epiphytic algal biomass in a dense macrophyte bed of the St. Lawrence River (Quebec, Canada). <i>Hydrobiologia</i> , 2005, 534, 11-22.	1.0	37
16	Sources of organic matter and methylmercury in littoral macroinvertebrates: a stable isotope approach. <i>Biogeochemistry</i> , 2009, 94, 81-94.	1.7	37
17	Mercury concentration in tree rings of black spruce (<i>Picea mariana</i> Mill. B.S.P.) in boreal Quebec, Canada. <i>Water, Air, and Soil Pollution</i> , 1995, 81, 163-173.	1.1	36
18	Identification of two genera of N ₂ -fixing cyanobacteria growing on three feather moss species in boreal forests of Quebec, Canada. <i>Canadian Journal of Botany</i> , 2006, 84, 1025-1029.	1.2	36

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19	Structural Organization and Species Composition of a Lotic Periphyton Community in Response to Experimental Acidification. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1989, 46, 827-835.	0.7	33
20	Decoupling of pelagic and littoral food webs in oligotrophic Canadian Shield lakes. <i>Oikos</i> , 2005, 111, 534-546.	1.2	33
21	Watershed Impacts of Logging and Wildfire: Case Studies in Canada. <i>Lake and Reservoir Management</i> , 2002, 18, 307-318.	0.4	30
22	Assessing the importance of macroinvertebrate trophic dead ends in the lower transfer of methylmercury in littoral food webs. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2043-2052.	0.7	29
23	Limitation of water hyacinth by nitrogen in subtropical lakes of the Paraná floodplain (Argentina). <i>Limnology and Oceanography</i> , 1994, 39, 439-443.	1.6	28
24	Short-term responses to watershed logging on biomass mercury and methylmercury accumulation by periphyton in boreal lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1734-1745.	0.7	28
25	Alteration of trophic interactions between periphyton and invertebrates in an acidified stream: a stable carbon isotope study. <i>Hydrobiologia</i> , 1993, 262, 97-107.	1.0	27
26	Assessing factors underlying variation of CO ₂ emissions in boreal lakes vs. reservoirs. <i>FEMS Microbiology Ecology</i> , 2012, 79, 282-297.	1.3	25
27	Spring pond water chemistry and the reproduction of the wood frog, <i>Rana sylvatica</i> . <i>Canadian Journal of Zoology</i> , 1986, 64, 543-550.	0.4	23
28	Mercury concentrations in black spruce (<i>Picea mariana</i> Mill. B.S.P.) and lichens in boreal Quebec, Canada. <i>Water, Air, and Soil Pollution</i> , 1995, 81, 153-161.	1.1	22
29	Spatio-temporal variations in biomass and mercury concentrations of epiphytic biofilms and their host in a large river wetland (Lake St. Pierre, Qc, Canada). <i>Environmental Pollution</i> , 2015, 197, 221-230.	3.7	22
30	Equilibrium Partition Theory Applied to PCBs in Macrophytes. <i>Environmental Science & Technology</i> , 2001, 35, 4830-4833.	4.6	20
31	The fish or the egg: Maternal transfer and subcellular partitioning of mercury and selenium in Yellow Perch (<i>Perca flavescens</i>). <i>Science of the Total Environment</i> , 2019, 675, 604-614.	3.9	19
32	Understanding Food Web Mercury Accumulation Through Trophic Transfer and Carbon Processing along a River Affected by Recent Run-of-river Dams. <i>Environmental Science & Technology</i> , 2021, 55, 2949-2959.	4.6	18
33	Persistence and fate of PCBs in sediments of the Saint Lawrence River. <i>Science of the Total Environment</i> , 1996, 192, 229-244.	3.9	17
34	Influence of <i>Myriophyllum spicatum</i> L. on the species composition, biomass and primary productivity of phytoplankton. <i>Aquatic Botany</i> , 1986, 23, 299-308.	0.8	15
35	Potential for estimating macrophyte surface area from biomass. <i>Aquatic Botany</i> , 2003, 75, 173-179.	0.8	15
36	Influence of functional feeding groups and spatiotemporal variables on the $\delta^{15}N$ signature of littoral macroinvertebrates. <i>Hydrobiologia</i> , 2010, 647, 51-61.	1.0	15

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37	Macrozooplankton and the persistence of the deep chlorophyll maximum in a stratified lake. <i>Freshwater Biology</i> , 2015, 60, 1717-1733.	1.2	15
38	Mercury and selenium distribution in key tissues and early life stages of Yellow Perch (<i>Perca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	3.7	14
39	Age matters: Submersion period shapes community composition of lake biofilms under glyphosate stress. <i>Facets</i> , 2018, 3, 934-951.	1.1	13
40	Diet and Feeding Success of Fast-Growing Yellow Perch Larvae and Juveniles in Perturbed Boreal Lakes. <i>Transactions of the American Fisheries Society</i> , 2011, 140, 1193-1205.	0.6	11
41	Effects of a short-term experimental acidification on a microinvertebrate community: Rhizopoda, Testacea. <i>Canadian Journal of Zoology</i> , 1986, 64, 1224-1230.	0.4	10
42	Phytoplankton in Boreal SubArctic Lakes Following Enhanced Phosphorus Loading from Forest Fire: Impacts on Species Richness, Nitrogen and Light Limitation. <i>Lake and Reservoir Management</i> , 2002, 18, 138-148.	0.4	7
43	Microbial Diversity and Mercury Methylation Activity in Periphytic Biofilms at a Run-of-River Hydroelectric Dam and Constructed Wetlands. <i>MSphere</i> , 2021, 6, .	1.3	7
44	Contribution of the deep chlorophyll maximum to primary production, phytoplankton assemblages and diversity in a small stratified lake. <i>Journal of Plankton Research</i> , 2020, , .	0.8	5
45	Indirect effects of brook trout (<i>Salvelinus fontinalis</i>) on the structure of epilithic algal communities in an oligotrophic boreal forest stream. <i>Fundamental and Applied Limnology</i> , 2007, 169, 89-99.	0.4	4
46	Freshwater sample preservation for the analysis of dissolved low molecular mass thiols. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 875-886.	1.0	1
47	Variability of carbon stable isotope signatures of littoral macroinvertebrates in a fluvial lake. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 427-430.	0.1	0
48	Integrating spatial patterns and processes in food web and environmental studies: from "who eats whom" and "who eats where" to "who eats whom and where". <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 569-572.	0.1	0