Dolors Planas

List of Publications by Year
in descending order

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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	Understanding Food Web Mercury Accumulation Through Trophic Transfer and Carbon Processing along a River Affected by Recent Run-of-river Dams. Environmental Science & Technology, 2021, 55, 2949-2959.	4.6	18
2	Microbial Diversity and Mercury Methylation Activity in Periphytic Biofilms at a Run-of-River Hydroelectric Dam and Constructed Wetlands. MSphere, 2021, 6, .	1.3	7
3	Contribution of the deep chlorophyll maximum to primary production, phytoplankton assemblages and diversity in a small stratified lake. Journal of Plankton Research, 2020, , .	0.8	5
4	Mercury and selenium distribution in key tissues and early life stages of Yellow Perch (Perca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	3.7	14
5	The fish or the egg: Maternal transfer and subcellular partitioning of mercury and selenium in Yellow Perch (Perca flavescens). Science of the Total Environment, 2019, 675, 604-614.	3.9	19
6	Age matters: Submersion period shapes community composition of lake biofilms under glyphosate stress. Facets, 2018, 3, 934-951.	1.1	13
7	Freshwater sample preservation for the analysis of dissolved low molecular mass thiols. Limnology and Oceanography: Methods, 2017, 15, 875-886.	1.0	1
8	Macrozooplankton and the persistence of the deep chlorophyll maximum in a stratified lake. Freshwater Biology, 2015, 60, 1717-1733.	1.2	15
9	Relationship between Extracellular Low-Molecular-Weight Thiols and Mercury Species in Natural Lake Periphytic Biofilms. Environmental Science & Technology, 2015, 49, 7709-7716.	4.6	81
10	Mercury methylation and demethylation by periphyton biofilms and their host in a fluvial wetland of the St. Lawrence River (QC, Canada). Science of the Total Environment, 2015, 512-513, 464-471.	3.9	47
11	Spatio-temporal variations in biomass and mercury concentrations of epiphytic biofilms and their host in a large river wetland (Lake St. Pierre, Qc, Canada). Environmental Pollution, 2015, 197, 221-230.	3.7	22
12	Assessing factors underlying variation of CO2 emissions in boreal lakes vs. reservoirs. FEMS Microbiology Ecology, 2012, 79, 282-297.	1.3	25
13	Methanogens: Principal Methylators of Mercury in Lake Periphyton. Environmental Science & Technology, 2011, 45, 7693-7700.	4.6	271
14	Diet and Feeding Success of Fast-Growing Yellow Perch Larvae and Juveniles in Perturbed Boreal Lakes. Transactions of the American Fisheries Society, 2011, 140, 1193-1205.	0.6	11
15	Recurrent internal waves in a small lake: Potential ecological consequences for metalimnetic phytoplankton populations. Limnology & Oceanography Fluids & Environments, 2011, 1, 91-109.	1.7	38
16	Influence of functional feeding groups and spatiotemporal variables on the Î´15N signature of littoral macroinvertebrates. Hydrobiologia, 2010, 647, 51-61.	1.0	15
17	Sources of organic matter and methylmercury in littoral macroinvertebrates: a stable isotope approach. Biogeochemistry, 2009, 94, 81-94.	1.7	37
18	Assessing the importance of macroinvertebrate trophic dead ends in the lower transfer of methylmercury in littoral food webs. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 2043-2052.	0.7	29

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19	Comparison of methods to determine algal Î´¹³C in freshwater. Limnology and Oceanography: Methods, 2008, 6, 51-63.	1.0	59
20	Biomass and composition of macroinvertebrate communities associated with different types of macrophyte architectures and habitats in a large fluvial lake. Fundamental and Applied Limnology, 2008, 171, 119-130.	0.4	65
21	Variability of carbon stable isotope signatures of littoral macroinvertebrates in a fluvial lake. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2008, 30, 427-430.	0.1	0
22	Integrating spatial patterns and processes in food web and environmental studies: from â€œwho eats whomâ€•and â€œwho eats whereâ€•to â€œwho eats whom and whereâ€• Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2008, 30, 569-572.	0.1	0
23	Indirect effects of brook trout (Salvelinus fontinalis) on the structure of epilithic algal communities in an oligotrophic boreal forest stream. Fundamental and Applied Limnology, 2007, 169, 89-99.	0.4	4
24	Short-term responses to watershed logging on biomass mercury and methylmercury accumulation by periphyton in boreal lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 1734-1745.	0.7	28
25	Identification of two genera of N2-fixing cyanobacteria growing on three feather moss species in boreal forests of Quebec, Canada. Canadian Journal of Botany, 2006, 84, 1025-1029.	1.2	36
26	Mercury Methylation in the Epilithon of Boreal Shield Aquatic Ecosystems. Environmental Science & Technology, 2006, 40, 1540-1546.	4.6	83
27	Total mercury and methylmercury accumulation in periphyton of Boreal Shield Lakes: Influence of watershed physiographic characteristics. Science of the Total Environment, 2006, 355, 247-258.	3.9	43
28	Decoupling of pelagic and littoral food webs in oligotrophic Canadian Shield lakes. Oikos, 2005, 111, 534-546.	1.2	33
29	Physical variables driving epiphytic algal biomass in a dense macrophyte bed of the St. Lawrence River (Quebec, Canada). Hydrobiologia, 2005, 534, 11-22.	1.0	37
30	Potential for estimating macrophyte surface area from biomass. Aquatic Botany, 2003, 75, 173-179.	0.8	15
31	Watershed Impacts of Logging and Wildfire: Case Studies in Canada. Lake and Reservoir Management, 2002, 18, 307-318.	0.4	30
32	Phytoplankton in Boreal SubArctic Lakes Following Enhanced Phosphorus Loading from Forest Fire: Impacts on Species Richness, Nitrogen and Light Limitation. Lake and Reservoir Management, 2002, 18, 138-148.	0.4	7
33	Equilibrium Partition Theory Applied to PCBs in Macrophytes. Environmental Science & Technology, 2001, 35, 4830-4833.	4.6	20
34	Planktonic production and respiration in oligotrophic Shield lakes. Limnology and Oceanography, 2000, 45, 189-199.	1.6	168
35	Pelagic and benthic algal responses in eastern Canadian Boreal Shield lakes following harvesting and wildfires. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 136-145.	0.7	75
36	Nitrate uptake and diffusive nitrate supply in the Central Atlantic. Limnology and Oceanography, 1999, 44, 116-126.	1.6	63

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37	Persistence and fate of PCBs in sediments of the Saint Lawrence River. Science of the Total Environment, 1996, 192, 229-244.	3.9	17
38	Mercury concentrations in black spruce (Picea mariana Mill. B.S.P.) and lichens in boreal Quebec, Canada. Water, Air, and Soil Pollution, 1995, 81, 153-161.	1.1	22
39	Mercury concentration in tree rings of black spruce (Picea mariana Mill. B.S.P.) in boreal Quebec, Canada. Water, Air, and Soil Pollution, 1995, 81, 163-173.	1.1	36
40	Quantitative Use of Stable Carbon Isotope Analysis to Determine the Trophic Base of Invertebrate Communities in a Boreal Forest Lotic System. Canadian Journal of Fisheries and Aquatic Sciences, 1994, 51, 52-61.	0.7	66
41	Limitation of water hyacinth by nitrogen in subtropical lakes of the ParanÃ¡ floodplain (Argentina). Limnology and Oceanography, 1994, 39, 439-443.	1.6	28
42	Recognition of nutrient and light limitation in turbid mixed layers: Three approaches compared in the Parani floodplain (Argentina). Limnology and Oceanography, 1994, 39, 580-596.	1.6	47
43	Alteration of trophic interactions between periphyton and invertebrates in an acidified stream: a stable carbon isotope study. Hydrobiologia, 1993, 262, 97-107.	1.0	27
44	Top-Down Effects of Brook Trout (Salvelinus fontinalis) in a Boreal Forest Stream. Canadian Journal of Fisheries and Aquatic Sciences, 1992, 49, 2093-2103.	0.7	55
45	Structural Organization and Species Composition of a Lotic Periphyton Community in Response to Experimental Acidification. Canadian Journal of Fisheries and Aquatic Sciences, 1989, 46, 827-835.	0.7	33
46	Spring pond water chemistry and the reproduction of the wood frog, Rana sylvatica. Canadian Journal of Zoology, 1986, 64, 543-550.	0.4	23
47	Effects of a short-term experimental acidification on a microinvertebrate community: Rhizopoda, Testacea. Canadian Journal of Zoology, 1986, 64, 1224-1230.	0.4	10
48	Influence of Myriophyllum spicatum L. on the species composition, biomass and primary productivity of phytoplankton. Aquatic Botany, 1986, 23, 299-308.	0.8	15