

Alexandre Bec

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,147
citations

394421

19
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414414

32
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43
all docs

43
docs citations

43
times ranked

1533
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgal food sources greatly improve macroinvertebrate growth in detritus-based headwater streams: Evidence from an instream experiment. <i>Freshwater Biology</i> , 2022, 67, 1380-1394.	2.4	7
2	Quantifying the energetic cost of food quality constraints on resting metabolism to integrate nutritional and metabolic ecology. <i>Ecology Letters</i> , 2021, 24, 2339-2349.	6.4	15
3	Early spring food resources and the trophic structure of macroinvertebrates in a small headwater stream as revealed by bulk and fatty acid stable isotope analysis. <i>Hydrobiologia</i> , 2021, 848, 5147-5167.	2.0	5
4	Stable isotopes of fatty acids: current and future perspectives for advancing trophic ecology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190641.	4.0	61
5	U-shaped response Unifies views on temperature dependency of stoichiometric requirements. <i>Ecology Letters</i> , 2020, 23, 860-869.	6.4	16
6	Temperature and nutrient effects on the relative importance of brown and green pathways for stream ecosystem functioning: A mesocosm approach. <i>Freshwater Biology</i> , 2020, 65, 1239-1255.	2.4	12
7	High food quality increases infection of <i>Gammarus pulex</i> (Crustacea: Amphipoda) by the acanthocephalan parasite <i>Pomphorhynchus laevis</i> . <i>International Journal for Parasitology</i> , 2019, 49, 805-817.	3.1	7
8	Interactive Impacts of Silver and Phosphorus on Autotrophic Biofilm Elemental and Biochemical Quality for a Macroinvertebrate Consumer. <i>Frontiers in Microbiology</i> , 2019, 10, 732.	3.5	7
9	Comparison of sterol and fatty acid profiles of chytrids and their hosts reveals trophic upgrading of nutritionally inadequate phytoplankton by fungal parasites. <i>Environmental Microbiology</i> , 2019, 21, 949-958.	3.8	48
10	Additive effect of calcium depletion and low resource quality on <i>Gammarus fossarum</i> (Crustacea, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.3	9
11	There's no harm in having too much: A comprehensive toolbox of methods in trophic ecology. <i>Food Webs</i> , 2018, 17, e00100.	1.2	47
12	A microcalorimetric approach for investigating stoichiometric constraints on the standard metabolic rate of a small invertebrate. <i>Ecology Letters</i> , 2018, 21, 1714-1722.	6.4	15
13	Minor food sources can play a major role in secondary production in detritus-based ecosystems. <i>Freshwater Biology</i> , 2017, 62, 1155-1167.	2.4	51
14	Carbon and nutrients of indigestible pollen are transferred to zooplankton by chytrid fungi. <i>Freshwater Biology</i> , 2017, 62, 954-964.	2.4	24
15	Phospholipid-bound eicosapentaenoic acid (EPA) supports higher fecundity than free EPA in <i>Daphnia magna</i> . <i>Journal of Plankton Research</i> , 2017, 39, 843-848.	1.8	8
16	Aquatic hyphomycetes: a potential source of polyunsaturated fatty acids in detritus-based stream food webs. <i>Fungal Ecology</i> , 2015, 13, 205-210.	1.6	44
17	Community structure and nutrient level control the tolerance of autotrophic biofilm to silver contamination. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13739-13752.	5.3	9
18	Resource partitioning among cladocerans in a littoral macrophyte zone: implications for the transfer of essential compounds. <i>Aquatic Sciences</i> , 2014, 76, 73-81.	1.5	20

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19	Temporal changes in essential fatty acid availability in different food sources in the littoral macrophyte zone. <i>Hydrobiologia</i> , 2014, 736, 127-137.	2.0	6
20	How pollen organic matter enters freshwater food webs. <i>Limnology and Oceanography</i> , 2013, 58, 1185-1195.	3.1	43
21	Feeding of pike larvae (<i>Esox lucius</i> L.) in an alluvial river backwater: fatty acid as markers of two organic matter flows. <i>Fundamental and Applied Limnology</i> , 2013, 183, 337-350.	0.7	4
22	Trophic partitioning among three littoral microcrustaceans: relative importance of periphyton as food resource. <i>Journal of Limnology</i> , 2012, 71, 28.	1.1	13
23	Accumulation of polyunsaturated fatty acids by cladocerans: effects of taxonomy, temperature and food. <i>Freshwater Biology</i> , 2012, 57, 696-703.	2.4	44
24	Assessing the reliability of fatty acid-specific stable isotope analysis for trophic studies. <i>Methods in Ecology and Evolution</i> , 2011, 2, 651-659.	5.2	74
25	Food quality of anemophilous plant pollen for zooplankton. <i>Limnology and Oceanography</i> , 2011, 56, 939-946.	3.1	33
26	Fatty acid transfer in the food web of a coastal Mediterranean lagoon: Evidence for high arachidonic acid retention in fish. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 91, 450-461.	2.1	50
27	How well can the fatty acid content of lake seston be predicted from its taxonomic composition?. <i>Freshwater Biology</i> , 2010, 55, 1958-1972.	2.4	25
28	Impact of macroinvertebrate diet on growth and fatty acid profiles of restocked 0+ Atlantic salmon (<i>Salmo salar</i>) parr from a large European river (the Allier). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 659-672.	1.4	11
29	Development of a Real-Time PCR assay for quantitative assessment of uncultured freshwater zoospore fungi. <i>Journal of Microbiological Methods</i> , 2010, 81, 69-76.	1.6	29
30	Fatty acid composition of the heterotrophic nanoflagellate <i>Paraphysomonas</i> sp.: influence of diet and de novo biosynthesis. <i>Aquatic Biology</i> , 2010, 9, 107-112.	1.4	19
31	Nutritional importance of minor dietary sources for leaping grey mullet <i>Liza saliens</i> (Mugilidae) during settlement: insights from fatty acid $\delta^{13}C$ analysis. <i>Marine Ecology - Progress Series</i> , 2010, 404, 207-217.	1.9	40
32	Origins of carbon sustaining the growth of whitefish <i>Coregonus lavaretus</i> early larval stages in Lake Annecy: insights from fatty acid biomarkers. <i>Journal of Fish Biology</i> , 2009, 74, 2-17.	1.6	21
33	Feeding, growth and nutritional status of restocked salmon parr along the longitudinal gradient of a large European river: the Allier. <i>Ecology of Freshwater Fish</i> , 2009, 18, 282-296.	1.4	11
34	Formation and Transfer of Fatty Acids in Aquatic Microbial Food Webs: Role of Heterotrophic Protists. , 2009, , 25-42.		32
35	Combined effects of food quality and temperature on somatic growth and reproduction of two freshwater cladocerans. <i>Limnology and Oceanography</i> , 2009, 54, 1323-1332.	3.1	77
36	From Aquatic to Terrestrial Food Webs: Decrease of the Docosahexaenoic Acid/Linoleic Acid Ratio. <i>Lipids</i> , 2008, 43, 461-466.	1.7	42

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37	Supplementation with Sterols Improves Food Quality of a Ciliate for <i>Daphnia magna</i> . <i>Protist</i> , 2006, 157, 477-486.	1.5	21
38	Trophic upgrading of autotrophic picoplankton by the heterotrophic nanoflagellate <i>Paraphysomonas</i> sp.. <i>Limnology and Oceanography</i> , 2006, 51, 1699-1707.	3.1	98
39	Nutritional value of different food sources for the benthic Daphnidae <i>Simocephalus vetulus</i> : role of fatty acids. <i>Archiv für Hydrobiologie</i> , 2003, 156, 145-163.	1.1	44
40	Upstream/downstream food quality differences in a Caribbean Island River. <i>Aquatic Ecology</i> , 0, , 1.	1.5	0