

# Phillippe Archambault

## List of Publications by Year in descending order

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Version: 2024-02-01

140  
papers

4,130  
citations

101543

36  
h-index

149698

56  
g-index

169  
all docs

169  
docs citations

169  
times ranked

5028  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tipping points and multiple drivers in changing aquatic ecosystems: A review of experimental studies. <i>Limnology and Oceanography</i> , 2022, 67, .	3.1	16
2	Pull the trigger: interplay between benthic and pelagic cues driving the early recruitment of a natural bivalve assemblage. <i>Ecosphere</i> , 2022, 13, e03672.	2.2	6
3	Biomedical Research and Informatics Living Laboratory for Innovative Advances of New Technologies in Community Mobility Rehabilitation: Protocol for Evaluation and Rehabilitation of Mobility Across Continuums of Care. <i>JMIR Research Protocols</i> , 2022, 11, e12506.	1.0	3
4	Biodiversity of macrobenthic nematodes in the intertidal and shallow subtidal zones in the Eastern Canadian Arctic. <i>Polar Biology</i> , 2022, 45, 225-242.	1.2	2
5	Holistic environmental monitoring in ports as an opportunity to advance sustainable development, marine science, and social inclusiveness. <i>Elementa</i> , 2022, 10, .	3.2	3
6	Sea Ice and Substratum Shape Extensive Kelp Forests in the Canadian Arctic. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	13
7	Drivers of kelp distribution in the Gulf of St. Lawrence: insights from a transplant experiment. <i>Marine Biology</i> , 2022, 169, 1.	1.5	5
8	Influence of an Offshore Mussel Aquaculture Site on the Distribution of Epibenthic Macrofauna in Îles de la Madeleine, Eastern Canada. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	4
9	Underwater Multispectral Laser Serial Imager for Spectral Differentiation of Macroalgal and Coral Substrates. <i>Remote Sensing</i> , 2022, 14, 3105.	4.0	3
10	Characterization of marine microbial communities around an Arctic seabed hydrocarbon seep at Scott Inlet, Baffin Bay. <i>Science of the Total Environment</i> , 2021, 762, 143961.	8.0	12
11	Efficiency of sympagic-benthic coupling revealed by analyses of n-3 fatty acids, IP25 and other highly branched isoprenoids in two filter-feeding Arctic benthic molluscs: <i>Mya truncata</i> and <i>Serripes groenlandicus</i> . <i>Organic Geochemistry</i> , 2021, 151, 104160.	1.8	10
12	Functional trait-based approaches as a common framework for aquatic ecologists. <i>Limnology and Oceanography</i> , 2021, 66, 965-994.	3.1	99
13	Environmental stressors, complex interactions and marine benthic communities'™ responses. <i>Scientific Reports</i> , 2021, 11, 4194.	3.3	41
14	Determining the Ecological Status of Benthic Coastal Communities: A Case in an Anthropized Sub-Arctic Area. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
15	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. <i>Earth System Science Data</i> , 2021, 13, 1561-1592.	9.9	11
16	Pre-exposure to Cu <sup>2+</sup> and CuO NPs leads to infection of caged blue mussels, <i>Mytilus edulis</i> L., by pathogenic microalga: Pilot study in the Lower St. Lawrence Estuary (Québec, Canada). <i>Marine Pollution Bulletin</i> , 2021, 166, 112180.	5.0	2
17	Editorial: Biogeochemical Consequences of Climate-Driven Changes in the Arctic. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	0
18	A discrete interaction numerical model for coagulation and fragmentation of marine detritic particulate matter (Coagfrag v.1). <i>Geoscientific Model Development</i> , 2021, 14, 4535-4554.	3.6	0

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19	On the sensitivity of food webs to multiple stressors. <i>Ecology Letters</i> , 2021, 24, 2219-2237.	6.4	30
20	Kelp in the Eastern Canadian Arctic: Current and Future Predictions of Habitat Suitability and Cover. <i>Frontiers in Marine Science</i> , 2021, 18, .	2.5	20
21	Ecosystem-Based Quality Index in a harbor bay: Assessing the status of a heterogeneous system in a functional framework at a local scale. <i>Ecological Indicators</i> , 2021, 132, 108260.	6.3	4
22	Shell deformity as a marker for retrospective detection of a pathogenic unicellular alga, <i>Coccomyxa</i> sp., in mytilid mussels: A first case study and research agenda. <i>Journal of Invertebrate Pathology</i> , 2020, 169, 107311.	3.2	4
23	Response of tropical and subtropical chthamalid barnacles to increasing substrate temperatures. <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 524, 151281.	1.5	5
24	The BenBioDen database, a global database for meio-, macro- and megabenthic biomass and densities. <i>Scientific Data</i> , 2020, 7, 206.	5.3	18
25	Cold-Water Soft Corals (Cnidaria: Nephtheidae) as Habitat for Juvenile Basket Stars (Echinodermata: Tj ETQq1 1 0.784314 rgBT /Ove	2.5	4
26	Sea ice increases benthic community heterogeneity in a seagrass landscape. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 243, 106898.	2.1	2
27	Influence of Deep-Water Corals and Sponge Gardens on Infaunal Community Composition and Ecosystem Functioning in the Eastern Canadian Arctic. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	6
28	The changing Arctic Ocean: consequences for biological communities, biogeochemical processes and ecosystem functioning. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200266.	3.4	11
29	Shells of the bivalve <i>Astarte moerchi</i> give new evidence of a strong pelagic-benthic coupling shift occurring since the late 1970s in the North Water polynya. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190353.	3.4	14
30	Biodiversity and Habitat Assessment of Coastal Benthic Communities in a Sub-Arctic Industrial Harbor Area. <i>Water (Switzerland)</i> , 2020, 12, 2424.	2.7	8
31	Imprint of Climate Change on Pan-Arctic Marine Vegetation. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	63
32	What and where? Predicting invasion hotspots in the Arctic marine realm. <i>Global Change Biology</i> , 2020, 26, 4752-4771.	9.5	38
33	Characterizing Exposure to and Sharing Knowledge of Drivers of Environmental Change in the St. Lawrence System in Canada. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
34	Biodiversityâ€Ecosystem Functioning (BEF) approach to further understanding aquacultureâ€environment interactions with application to bivalve culture and benthic ecosystems. <i>Reviews in Aquaculture</i> , 2020, 12, 2027-2041.	9.0	19
35	Seafloor biodiversity of Canada's three oceans: Patterns, hotspots and potential drivers. <i>Diversity and Distributions</i> , 2020, 26, 226-241.	4.1	13
36	Assessment of Ba/Ca in <i>Arctica islandica</i> shells as a proxy for phytoplankton dynamics in the Northwestern Atlantic Ocean. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 237, 106628.	2.1	14

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37	First report of signs of infection by <i>Coccomyxa</i> like algae in wild blue mussels, <i>Mytilus</i> spp., in the Gulf of Maine (USA, Maine). <i>Journal of Fish Diseases</i> , 2020, 43, 775-778.	1.9	2
38	Spatial distribution of epifaunal communities in the Hudson Bay system. <i>Elementa</i> , 2020, 8, .	3.2	5
39	Reliance of deep-sea benthic macrofauna on ice-derived organic matter highlighted by multiple trophic markers during spring in Baffin Bay, Canadian Arctic. <i>Elementa</i> , 2020, 8, .	3.2	10
40	Optimization of Upper Extremity Rehabilitation by Combining Telerehabilitation With an Exergame in People With Chronic Stroke: Protocol for a Mixed Methods Study. <i>JMIR Research Protocols</i> , 2020, 9, e14629.	1.0	20
41	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. <i>Earth System Science Data</i> , 2020, 12, 151-176.	9.9	32
42	Oceans and human health navigating changes on Canada's coasts. <i>Facets</i> , 2020, 5, 1037-1070.	2.4	3
43	Practical advice on monitoring of U and Pu with marine bivalve mollusks near the Fukushima Daiichi Nuclear Power Plant. <i>Marine Pollution Bulletin</i> , 2020, 151, 110860.	5.0	3
44	Growth Response of <i>Arctica islandica</i> to North Atlantic Oceanographic Conditions Since 1850. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	17
45	The marine fish food web is globally connected. <i>Nature Ecology and Evolution</i> , 2019, 3, 1153-1161.	7.8	76
46	Changes in infaunal assemblage structure influence nutrient fluxes in sediment enriched by mussel biodeposition. <i>Science of the Total Environment</i> , 2019, 692, 39-48.	8.0	20
47	Predator traits determine food-web architecture across ecosystems. <i>Nature Ecology and Evolution</i> , 2019, 3, 919-927.	7.8	157
48	Ecological risk assessment of predicted marine invasions in the Canadian Arctic. <i>PLoS ONE</i> , 2019, 14, e0211815.	2.5	16
49	Remote rehabilitation training using the combination of an exergame and telerehabilitation application: A case report of an elderly chronic stroke survivor. , 2019, , .		1
50	Comparing eDNA metabarcoding and species collection for documenting Arctic metazoan biodiversity. <i>Environmental DNA</i> , 2019, 1, 342-358.	5.8	51
51	<i>Mytilus trossulus</i> and hybrid ( <i>M. edulis</i> - <i>M. trossulus</i> ) New hosts organisms for pathogenic microalgae <i>Coccomyxa</i> sp. from the Estuary and northwestern Gulf of St. Lawrence, Canada. <i>Journal of Invertebrate Pathology</i> , 2018, 153, 145-146.	3.2	8
52	Bioturbation activity of three macrofaunal species and the presence of meiofauna affect the abundance and composition of benthic bacterial communities. <i>Marine Environmental Research</i> , 2018, 136, 62-70.	2.5	19
53	Projecting present and future habitat suitability of ship-mediated aquatic invasive species in the Canadian Arctic. <i>Biological Invasions</i> , 2018, 20, 501-517.	2.4	66
54	Biogeography and adaptations of torquaratorid acorn worms (Hemichordata: Enteropneusta) including two new species from the Canadian Arctic. <i>Canadian Journal of Zoology</i> , 2018, 96, 1221-1229.	1.0	10

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55	Spatial Analysis of Benthic Functional Biodiversity in San Jorge Gulf, Argentina. <i>Oceanography</i> , 2018, 31, 104-112.	1.0	10
56	Our House Is Burning: Discrepancy in Climate Change vs. Biodiversity Coverage in the Media as Compared to Scientific Literature. <i>Frontiers in Ecology and Evolution</i> , 2018, 5, .	2.2	98
57	<scp>eDNA</scp> metabarcoding as a new surveillance approach for coastal Arctic biodiversity. <i>Ecology and Evolution</i> , 2018, 8, 7763-7777.	1.9	154
58	What's in a tide pool? Just as much food web network complexity as in large open ecosystems. <i>PLoS ONE</i> , 2018, 13, e0200066.	2.5	30
59	Comparing fluorescent and differential absorption LiDAR techniques for detecting algal biomass with applications to Arctic substrates. , 2018, , .		5
60	Low benthic impact of an offshore mussel farm in Îles-de-la-Madeleine, eastern Canada. <i>Aquaculture Environment Interactions</i> , 2018, 10, 473-485.	1.8	15
61	Short-term processing of ice algal- and phytoplankton-derived carbon by Arctic benthic communities revealed through isotope labelling experiments. <i>Marine Ecology - Progress Series</i> , 2018, 600, 21-39.	1.9	7
62	A new species and four new records of sedentary polychaetes from the Canadian High Arctic. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2017, 97, 1685-1694.	0.8	3
63	Influence of seabird colonies and other environmental variables on benthic community structure, Lancaster Sound Region, Canadian Arctic. <i>Journal of Marine Systems</i> , 2017, 167, 105-117.	2.1	9
64	Organic matter remineralization in marine sediments: A Pan-Arctic synthesis. <i>Global Biogeochemical Cycles</i> , 2017, 31, 190-213.	4.9	46
65	Creating an inclusive mall environment with the PRECEDE-PROCEED model: a living lab case study. <i>Disability and Rehabilitation</i> , 2017, 39, 2198-2206.	1.8	9
66	Incorporating public priorities in the Ocean Health Index: Canada as a case study. <i>PLoS ONE</i> , 2017, 12, e0178044.	2.5	19
67	â€œCommercially Sensitiveâ€-Environmental Data: A Case Study of Oil Seep Claims for the Old Harry Prospect in the Gulf of St. Lawrence, Canada. <i>Case Studies in the Environment</i> , 2017, 1, 1-9.	0.7	1
68	Benthic macroinfaunal community structure, resource utilisation and trophic relationships in two Canadian Arctic Archipelago polynyas. <i>PLoS ONE</i> , 2017, 12, e0183034.	2.5	9
69	Ice algae versus phytoplankton: resource utilization by Arctic deep sea macroinfauna revealed through isotope labelling experiments. <i>Marine Ecology - Progress Series</i> , 2017, 572, 1-18.	1.9	15
70	Notre Golfe: lâ€™Ã©mergence dâ€™un rÃ©seau intersectoriel pour lâ€™Ã©tude de lâ€™environnement socioÃ©cologique du golfe du Saint-Laurent. <i>Le Naturaliste Canadien</i> , 2016, 140, 41-44.	0.2	2
71	Environmental Drivers of Benthic Flux Variation and Ecosystem Functioning in Salish Sea and Northeast Pacific Sediments. <i>PLoS ONE</i> , 2016, 11, e0151110.	2.5	37
72	Influence of intertidal recreational fisheries and â€˜bouchotâ€™ mussel culture on bivalve recruitment. <i>Marine Environmental Research</i> , 2016, 117, 1-12.	2.5	11

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73	From coast to coast: Public perception of ocean-derived benefits in Canada. <i>Marine Policy</i> , 2016, 74, 77-84.	3.2	10
74	No complexity-stability relationship in empirical ecosystems. <i>Nature Communications</i> , 2016, 7, 12573.	12.8	121
75	Assessing marine ecosystems health, in an integrative way. <i>Continental Shelf Research</i> , 2016, 121, 1-2.	1.8	5
76	Potential for Local Fertilization: A Benthocosm Test of Long-Term and Short-Term Effects of Mussel Excretion on the Plankton. <i>PLoS ONE</i> , 2016, 11, e0156411.	2.5	4
77	Influence of intertidal Manila clam <i>Venerupis philippinarum</i> aquaculture on biogeochemical fluxes. <i>Aquaculture Environment Interactions</i> , 2016, 8, 117-130.	1.8	10
78	Metabolic Activity and Functional Diversity Changes in Sediment Prokaryotic Communities Organically Enriched with Mussel Biodeposits. <i>PLoS ONE</i> , 2015, 10, e0123681.	2.5	7
79	Impact of forest harvesting on water quality and fluorescence characteristics of dissolved organic matter in eastern Canadian Boreal Shield lakes in summer. <i>Biogeosciences</i> , 2015, 12, 6999-7011.	3.3	10
80	Resilience and adjustments of surface sediment bacterial communities in an enclosed shallow coastal lagoon, Magdalen Islands, Gulf of St. Lawrence, Canada. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	2.7	13
81	Scallop larval survival from erythromycin treated broodstock after conditioning without sediment. <i>Aquaculture</i> , 2015, 437, 312-317.	3.5	11
82	Benthic faunal assimilation pathways and depth-related changes in food-web structure across the Canadian Arctic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 102, 55-71.	1.4	35
83	Organizing, supporting and linking the world marine biodiversity research community. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 431-433.	0.8	4
84	No more detectable fishing effect on Northern Gulf of St Lawrence benthic invertebrates. <i>ICES Journal of Marine Science</i> , 2015, 72, 2457-2466.	2.5	12
85	Regional Variability of Megabenthic Community Structure across the Canadian Arctic. <i>Arctic</i> , 2015, 68, 180.	0.4	20
86	Influence of mussel aquaculture on the distribution of vagile benthic macrofauna in Îles de la Madeleine, eastern Canada. <i>Aquaculture Environment Interactions</i> , 2015, 6, 175-183.	1.8	24
87	Environmental Drivers of the Canadian Arctic Megabenthic Communities. <i>PLoS ONE</i> , 2014, 9, e100900.	2.5	56
88	Revealing the regime of shallow coral reefs at patch scale by continuous spatial modeling. <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	5
89	Effect of Disturbance Regime on Alpha and Beta Diversity of Rock Pools. <i>Diversity</i> , 2014, 6, 1-17.	1.7	17
90	Meiofauna affect the macrobenthic biodiversity-ecosystem functioning relationship. <i>Oikos</i> , 2014, 123, 203-213.	2.7	41

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91	Phylogenetic Differences in Attached and Free-Living Bacterial Communities in a Temperate Coastal Lagoon during Summer, Revealed via High-Throughput 16S rRNA Gene Sequencing. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2071-2083.	3.1	104
92	Body size as a predictor of species loss effect on ecosystem functioning. <i>Scientific Reports</i> , 2014, 4, 4616.	3.3	47
93	Impact of Forest Harvesting on Trophic Structure of Eastern Canadian Boreal Shield Lakes: Insights from Stable Isotope Analyses. <i>PLoS ONE</i> , 2014, 9, e96143.	2.5	11
94	Diversity, Abundance and Community Structure of Benthic Macro- and Megafauna on the Beaufort Shelf and Slope. <i>PLoS ONE</i> , 2014, 9, e101556.	2.5	20
95	Establishing a baseline for early detection of non-indigenous species in ports of the Canadian Arctic. <i>Aquatic Invasions</i> , 2014, 9, 327-342.	1.6	30
96	A new species of <i>Streptospinigera</i> Kudenov, 1983 (Polychaeta, Syllidae, Anoplosyllinae) from the Arctic and north-western Atlantic with a key to all species of the genus. <i>Polar Biology</i> , 2013, 36, 1499-1507.	1.2	8
97	Modeling reef health from upstream socio-ecological components using GIS and RS. , 2013, , .		0
98	Dose-dependent response of a benthic system to biodeposition from suspended blue mussel ( <i>Mytilus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	26
99	Identity effects dominate the impacts of multiple species extinctions on the functioning of complex food webs. <i>Ecology</i> , 2013, 94, 169-179.	3.2	20
100	Modelling spatial distribution of epibenthic communities in the Gulf of St. Lawrence (Canada). <i>Journal of Sea Research</i> , 2013, 78, 75-84.	1.6	25
101	Spatial distribution of <i>Alitta virens</i> burrows in intertidal sediments studied by axial tomodesitometry. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2013, 93, 1543-1552.	0.8	4
102	Are Hotspots Always Hotspots? The Relationship between Diversity, Resource and Ecosystem Functions in the Arctic. <i>PLoS ONE</i> , 2013, 8, e74077.	2.5	42
103	Bridging Ridge-to-Reef Patches: Seamless Classification of the Coast Using Very High Resolution Satellite. <i>Remote Sensing</i> , 2013, 5, 3583-3610.	4.0	12
104	Canadian Healthy Oceans Network (CHONe): An Academic-Government Partnership to Develop Scientific Guidelines for Conservation and Sustainable Usage of Marine Biodiversity. <i>Fisheries</i> , 2012, 37, 296-304.	0.8	10
105	Coastal Kelp Forest Habitat in the Baie des Chaleurs, Gulf of St. Lawrence, Canada. , 2012, , 201-211.		1
106	Current state and trends in Canadian Arctic marine ecosystems: II. Heterotrophic food web, pelagic-benthic coupling, and biodiversity. <i>Climatic Change</i> , 2012, 115, 179-205.	3.6	99
107	Merging land-marine realms: Spatial patterns of seamless coastal habitats using a multispectral LiDAR. <i>Remote Sensing of Environment</i> , 2012, 123, 390-399.	11.0	39
108	Spatial variation of benthic infaunal communities in baie de Gasp� (eastern Canada) - Influence of mussel aquaculture. <i>Aquaculture</i> , 2012, 356-357, 48-54.	3.5	11



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109	Meta-ecosystem engineering: Nutrient fluxes reveal intraspecific and interspecific feedbacks in fragmented mussel beds. <i>Ecology</i> , 2012, 93, 324-333.	3.2	32
110	Syllidae (Annelida: Polychaeta: Phyllodocida) from the Chausey Archipelago (English Channel, France), with a description of two new species of the Exogoninae Prosphaerosyllis. <i>Marine Biodiversity</i> , 2012, 42, 55-63.	1.0	12
111	Influence of "bouchot" mussel culture on the benthic environment in a dynamic intertidal system. <i>Aquaculture Environment Interactions</i> , 2012, 2, 117-131.	1.8	18
112	Influence of suspended and off-bottom mussel culture on the sea bottom and benthic habitats: a review<sup>1</sup>This review is part of a virtual symposium on current topics in aquaculture of marine fish and shellfish.. <i>Canadian Journal of Zoology</i> , 2011, 89, 622-646.	1.0	169
113	Benthic Classifications Using Bathymetric LIDAR Waveforms and Integration of Local Spatial Statistics and Textural Features. <i>Journal of Coastal Research</i> , 2011, 62, 86-98.	0.3	13
114	Biogenic carbon flows through the planktonic food web of the Amundsen Gulf (Arctic Ocean): A synthesis of field measurements and inverse modeling analyses. <i>Progress in Oceanography</i> , 2011, 91, 410-436.	3.2	138
115	Spring-to-summer changes and regional variability of benthic processes in the western Canadian Arctic. <i>Polar Biology</i> , 2011, 34, 2025-2038.	1.2	40
116	Towards a pan-Arctic inventory of the species diversity of the macro- and megabenthic fauna of the Arctic shelf seas. <i>Marine Biodiversity</i> , 2011, 41, 51-70.	1.0	150
117	Towards a pan-Arctic inventory of the species diversity of the macro- and megabenthic fauna of the Arctic shelf seas. , 2011, 41, 51.		1
118	Predicting Species Diversity of Benthic Communities within Turbid Nearshore Using Full-Waveform Bathymetric LiDAR and Machine Learners. <i>PLoS ONE</i> , 2011, 6, e21265.	2.5	43
119	Salt-marsh characterization, zonation assessment and mapping through a dual-wavelength LiDAR. <i>Remote Sensing of Environment</i> , 2010, 114, 520-530.	11.0	59
120	DNA Barcodes for Marine Biodiversity: Moving Fast Forward?. <i>Diversity</i> , 2010, 2, 450-472.	1.7	149
121	Effects of hypoxia on benthic macrofauna and bioturbation in the Estuary and Gulf of St. Lawrence, Canada. <i>Continental Shelf Research</i> , 2010, 30, 1302-1313.	1.8	29
122	From Sea to Sea: Canada's Three Oceans of Biodiversity. <i>PLoS ONE</i> , 2010, 5, e12182.	2.5	81
123	Responses of benthic macrofauna and biogeochemical fluxes to various levels of mussel biodeposition: An in situ "benthocosm" experiment. <i>Marine Pollution Bulletin</i> , 2009, 58, 1544-1553.	5.0	69
124	Shellfish-DEPOMOD: Modelling the biodeposition from suspended shellfish aquaculture and assessing benthic effects. <i>Aquaculture</i> , 2009, 288, 239-253.	3.5	110
125	Discriminating zooplankton communities in lakes with brook trout ( <i>Salvelinus fontinalis</i> ) and in fishless lakes. <i>Ecoscience</i> , 2009, 16, 271-281.	1.4	14
126	Mapping the Shallow Water Seabed Habitat With the SHOALS. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 2947-2955.	6.3	79



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127	THE RELATION BETWEEN PRODUCTIVITY AND SPECIES DIVERSITY IN TEMPERATE ARCTIC MARINE ECOSYSTEMS. <i>Ecology</i> , 2008, 89, S66-S80.	3.2	64
128	Statistical classification methodology of SHOALS 3000 backscatter to mapping coastal benthic habitats. , 2007, , .		2
129	Influence of suspended scallop cages and mussel lines on pelagic and benthic biogeochemical fluxes in Havre-aux-Maisons Lagoon, Îles-de-la-Madeleine (Quebec, Canada). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 1491-1505.	1.4	50
130	Influence of suspended mussel lines on the biogeochemical fluxes in adjacent water in the Îles-de-la-Madeleine (Quebec, Canada). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1198-1213.	1.4	52
131	A new method for three-dimensional visualization and quantification of biogenic structures in aquatic sediments using axial tomodesitometry. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 372-380.	2.0	42
132	Acoustic detection of a scallop bed from a single-beam echosounder in the St. Lawrence. <i>ICES Journal of Marine Science</i> , 2005, 62, 966-983.	2.5	29
133	Effects of mussel culture husbandry practices on various benthic characteristics. <i>Aquaculture</i> , 2005, 250, 138-154.	3.5	38
134	Large-scale Shoreline Configuration Influences Phytoplankton Concentration and Mussel Growth. <i>Estuarine, Coastal and Shelf Science</i> , 1999, 49, 193-208.	2.1	31
135	Influence of shoreline configuration on spatial variation of meroplanktonic larvae, recruitment and diversity of benthic subtidal communities. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 238, 161-184.	1.5	83
136	Nearshore abundance of zooplankton in relation to shoreline configuration and mechanisms involved. <i>Journal of Plankton Research</i> , 1998, 20, 671-690.	1.8	34
137	Scale of observation and distribution of adult conspecifics: their influence in assessing passive and active settlement mechanisms in the barnacle <i>Balanus crenatus</i> (Brugière). <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 201, 137-158.	1.5	38
138	The Great Whale River ecosystem: ecology of a subarctic river and its receiving waters in coastal Hudson Bay, Canada. <i>Ecoscience</i> , 0, , 1-20.	1.4	5
139	Évaluation des impacts cumulés dans l'estuaire et le golfe du Saint-Laurent: vers une planification systématique de l'exploitation des ressources. <i>Le Naturaliste Canadien</i> , 0, 140, 45-55.	0.2	5
140	Description and Spatial Modelling of Benthic Communities Distribution in the Canadian Arctic Archipelago. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	0