

# Mathieu Cusson

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,435  
citations

394421

19  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity mediates top-down control in eelgrass ecosystems: a global comparative experimental approach. <i>Ecology Letters</i> , 2015, 18, 696-705.	6.4	188
2	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
3	Global patterns of macroinvertebrate production in marine benthic habitats. <i>Marine Ecology - Progress Series</i> , 2005, 297, 1-14.	1.9	136
4	Blue Carbon Storage Capacity of Temperate Eelgrass ( <i>Zostera marina</i> ) Meadows. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1457-1475.	4.9	130
5	Secondary production as a tool for better understanding of aquatic ecosystems. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 1230-1253.	1.4	112
6	Latitude, temperature, and habitat complexity predict predation pressure in eelgrass beds across the Northern Hemisphere. <i>Ecology</i> , 2018, 99, 29-35.	3.2	70
7	THE RELATION BETWEEN PRODUCTIVITY AND SPECIES DIVERSITY IN TEMPERATE-ARCTIC MARINE ECOSYSTEMS. <i>Ecology</i> , 2008, 89, S66-S80.	3.2	64
8	Biodiversity of benthic assemblages on the Arctic continental shelf: historical data from Canada. <i>Marine Ecology - Progress Series</i> , 2007, 331, 291-304.	1.9	57
9	Allochthonous carbon is a major regulator to bacterial growth and community composition in subarctic freshwaters. <i>Scientific Reports</i> , 2016, 6, 34456.	3.3	55
10	Temporal stability of European rocky shore assemblages: variation across a latitudinal gradient and the role of habitat-formers. <i>Oikos</i> , 2012, 121, 1801-1809.	2.7	53
11	Influence of topographic heterogeneity and spatial scales on the structure of the neighbouring intertidal endobenthic macrofaunal community. <i>Marine Ecology - Progress Series</i> , 1997, 150, 181-193.	1.9	48
12	Large-Scale Variation in Combined Impacts of Canopy Loss and Disturbance on Community Structure and Ecosystem Functioning. <i>PLoS ONE</i> , 2013, 8, e66238.	2.5	45
13	Climate drives the geography of marine consumption by changing predator communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28160-28166.	7.1	29
14	Modeling the depuration potential of blue mussels ( <i>Mytilus</i> spp.) in response to thermal shock. <i>Aquaculture</i> , 2005, 250, 183-193.	3.5	27
15	Fall Composition of Storage Lipids is Associated with the Overwintering Strategy of <i>Daphnia</i> . <i>Lipids</i> , 2017, 52, 83-91.	1.7	26
16	Small-scale variations in mussel ( <i>Mytilus</i> spp.) dynamics and local production. <i>Journal of Sea Research</i> , 2005, 53, 255-268.	1.6	25
17	Effects of Habitat-Forming Species Richness, Evenness, Identity, and Abundance on Benthic Intertidal Community Establishment and Productivity. <i>PLoS ONE</i> , 2014, 9, e109261.	2.5	24
18	Meta-Analysis of Reciprocal Linkages between Temperate Seagrasses and Waterfowl with Implications for Conservation. <i>Frontiers in Plant Science</i> , 2017, 8, 2119.	3.6	22

#	ARTICLE	IF	CITATIONS
19	Dissolved organic matter concentration, optical parameters and attenuation of solar radiation in high-latitude lakes across three vegetation zones. <i>Ecoscience</i> , 2015, 22, 17-31.	1.4	21
20	The BenBioDen database, a global database for meio-, macro- and megabenthic biomass and densities. <i>Scientific Data</i> , 2020, 7, 206.	5.3	18
21	Spatial organisation of fish communities in the St. Lawrence River: a test for longitudinal gradients and spatial heterogeneities in a large river system. <i>Hydrobiologia</i> , 2018, 809, 155-173.	2.0	17
22	Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis. <i>Journal of Sea Research</i> , 2015, 98, 5-14.	1.6	16
23	Hidden Stores of Organic Matter in Northern Lake Ice: Selective Retention of Terrestrial Particles, Phytoplankton and Labile Carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006233.	3.0	14
24	Impact of multiple disturbances and stress on the temporal trajectories and resilience of benthic intertidal communities. <i>Ecosphere</i> , 2018, 9, e02467.	2.2	13
25	Seafloor biodiversity of Canada's three oceans: Patterns, hotspots and potential drivers. <i>Diversity and Distributions</i> , 2020, 26, 226-241.	4.1	13
26	Not just an engineering problem: The role of knowledge and understanding of ecosystem services for adaptive management of coastal erosion. <i>Ecosystem Services</i> , 2021, 51, 101349.	5.4	12
27	Joint effects of patch edges and habitat degradation on faunal predation risk in a widespread marine foundation species. <i>Ecology</i> , 2021, 102, e03316.	3.2	10
28	The biogeography of community assembly: latitude and predation drive variation in community trait distribution in a guild of epifaunal crustaceans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211762.	2.6	9
29	Latitudinal variation in plant defence against herbivory in a marine foundation species does not follow a linear pattern: The importance of resource availability. <i>Global Ecology and Biogeography</i> , 2021, 30, 220-234.	5.8	8
30	Form-function relationships in a marine foundation species depend on scale: a shoot to global perspective from a distributed ecological experiment. <i>Oikos</i> , 2018, 127, 364-374.	2.7	7
31	Effect of different sampling designs and methods on the estimation of secondary production: A simulation. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 38-48.	2.0	6
32	Remote Sensing of Coastal Vegetation Phenology in a Cold Temperate Intertidal System: Implications for Classification of Coastal Habitats. <i>Remote Sensing</i> , 2022, 14, 3000.	4.0	6
33	Notre Golfe: l'émergence d'un réseau intersectoriel pour l'étude de l'environnement socio-écologique du golfe du Saint-Laurent. <i>Le Naturaliste Canadien</i> , 2016, 140, 41-44.	0.2	6
34	Towards a pan-Arctic inventory of the species diversity of the macro- and megabenthic fauna of the Arctic shelf seas. , 2011, 41, 51.		1
35	Resistance of benthic intertidal communities to multiple disturbances and stresses. <i>Marine Ecology - Progress Series</i> , 2015, 534, 49-64.	1.9	1