Serge Demers

List of Publications by Year in descending order

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46 papers	1,952 citations	279798 23 h-index	302126 39 g-index
48 all docs	48 docs citations	48 times ranked	2016 citing authors

#	Article	IF	Citations
1	Climate change enhances primary production in the western Antarctic Peninsula. Global Change Biology, 2015, 21, 2191-2205.	9.5	58
2	Photosynthetic characteristics of sinking microalgae under the sea ice. Polar Science, 2014, 8, 385-396.	1.2	5
3	Shell malformations in seven species of pond snail (Gastropoda, Lymnaeidae): analysis of large museum collections. Zoosystematics and Evolution, 2012, 88, 365-368.	1.1	7
4	Biosorption of thorium on the external shell surface of bivalve mollusks: The role of shell surface microtopography. Chemosphere, 2012, 86, 680-683.	8.2	14
5	Response of phytoplankton dynamics to 19-year (1991â€“2009) climate trends in Potter Cove (Antarctica). Journal of Marine Systems, 2012, 92, 53-66.	2.1	178
6	The combined effect of ultraviolet B radiation and temperature increase on phytoplankton dynamics and cell cycle using pulse shape recording flow cytometry. Journal of Experimental Marine Biology and Ecology, 2011, 406, 95-107.	1.5	13
7	Colloidal complexed silver and silver nanoparticles in extrapallial fluid of Mytilus edulis. Marine Environmental Research, 2011, 71, 17-21.	2.5	59
8	Alteration of shell nacre micromorphology in blue mussel Mytilus edulis after exposure to free-ionic silver and silver nanoparticles. Chemosphere, 2011, 84, 701-706.	8.2	23
9	Does radioactive contamination affect the shell morphology of the pond snail Lymnaea stagnalis in the exclusion zone of the Chernobyl NPP (Ukraine)?. The Environmentalist, 2011, 31, 369-375.	0.7	6
10	Variability of the microbial community in the western Antarctic Peninsula from late fall to spring during a low ice cover year. Polar Biology, 2010, 33, 1599-1614.	1.2	24
11	Method for repeated extrapallial fluid extraction from bivalve molluscs. Journal of Molluscan Studies, 2010, 76, 399-400.	1.2	3
12	Multiple stressors on an Antarctic microplankton assemblage: water soluble crude oil and enhanced UVBR level at Ushuaia (Argentina). Polar Biology, 2007, 30, 829-841.	1.2	31
13	Metazoan meiofauna dynamics and pelagicâ€“benthic coupling in the Southeastern Beaufort Sea, Arctic Ocean. Polar Biology, 2007, 30, 1123-1135.	1.2	29
14	Effects of Enhanced UV-B on Pigment-based Phytoplankton Biomass and Composition of Mesocosm-enclosed Natural Marine Communities from Three Latitudes. Photochemistry and Photobiology, 2006, 82, 909.	2.5	30
15	UV Effects on Marine Planktonic Food Webs: A Synthesis of Results from Mesocosm Studies. Photochemistry and Photobiology, 2006, 82, 850.	2.5	24
16	The Whole Is More Than the Sum of Its Parts: Modeling Community-Level Effects of UVR in Marine Ecosystems. Photochemistry and Photobiology, 2006, 82, 903.	2.5	4
17	Ultraviolet-B Radiation Effects on the Structure and Function of Lower Trophic Levels of the Marine Planktonic Food Web. Photochemistry and Photobiology, 2006, 82, 887.	2.5	35
18	TBT toxicity on a natural planktonic assemblage exposed to enhanced ultraviolet-B radiation. Aquatic Toxicology, 2005, 73, 299-314.	4.0	16

#	Article	IF	Citations
19	Effects of ultraviolet-B radiation and vertical mixing on nitrogen uptake by a natural planktonic community shifting from nitrate to silicic acid deficiency. Limnology and Oceanography, 2003, 48, 18-30.	3.1	12
20	Mechanisms of UV damage to aquatic organisms. , 2000, , 149-176.		152
21	Strategies for the minimisation of UV-induced damage. , 2000, , 177-205.		92
22	UV radiation effects on heterotrophic bacterioplankton and viruses in marine ecosystems. , 2000, , 206-236.		45
23	Effects of UV radiation on the physiology and ecology of marine phytoplankton. , 2000, , 237-278.		33
24	Implications of UV radiation for the food web structure and consequences on the carbon flow. , 2000, , 310-320.		11
25	Interactions of ultravioletâ€B radiation, mixing, and biological activity on photobleaching of natural chromophoric dissolved organic matter: A mesocosm study. Limnology and Oceanography, 2000, 45, 278-291.	3.1	101
26	INFLUENCE OF UV-B RADIATION ON NITROGEN UTILIZATION BY A NATURAL ASSEMBLAGE OF PHYTOPLANKTON. Journal of Phycology, 2000, 36, 484-496.	2.3	30
27	Spectral weighting functions for quantifying effects of UV radiation in marine ecosystems. , 2000, , 72-100.		47
28	Bacterial dynamics in first year sea ice and underlying seawater of Saroma-ko Lagoon (Sea of Okhotsk,) Tj ETQq0 0 0 rgBT /Overlock 10 T dynamics. Canadian Journal of Microbiology, 2000, 46, 623-632.	1.7	18
29	Crue Ã©clair de juillet 1996 dans la rÃ©gion du Saguenay (QuÃ©bec). 1. Impacts sur la colonne d'eau de la baie des Ha! Ha! et du fjord du Saguenay. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 2120-2135.	1.4	11
30	An endogenous periodicity exhibited in the activity of a natural bacterioplankton community isolated in mesocosms. Canadian Journal of Microbiology, 1999, 45, 555-564.	1.7	5
31	Experimental test of the effect of ultravioletâ€B radiation in a planktonic community. Limnology and Oceanography, 1999, 44, 586-596.	3.1	106
32	Coastal management and sustainable development. Ocean and Coastal Management, 1998, 39, 1-24.	4.4	25
33	Ice-brine and planktonic microheterotrophs from Saroma-ko Lagoon, Hokkaido (Japan): quantitative importance and trophodynamics. Journal of Marine Systems, 1997, 11, 149-161.	2.1	21
34	Carbon flows through the microbial food web of first-year ice in resolute passage (Canadian High) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	34
35	Springtime coupling between ice algal and phytoplankton assemblages in southeastern Hudson Bay, Canadian Arctic. Polar Biology, 1993, 13, 441.	1.2	67
36	Chlorophyll a biomass and growth of sea-ice microalgae along a salinity gradient (southeastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.2	28

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37	LIGHT AND NUTRIENT LIMITATION OF SEA-ICE MICROALGAE (HUDSON BAY, CANADIAN ARCTIC)1. Journal of Phycology, 1990, 26, 220-232.	2.3	128
38	Oceanography and ecology of phytoplankton in the St. Lawrence Estuary. Coastal and Estuarine Studies, 1990, , 269-295.	0.4	11
39	Oceanography and Ecology of Phytoplankton in the St.Lawrence Estuary. , 1990, , 269-295.		8
40	Nitrogenous nutrition of sea-ice microalgae. Polar Biology, 1989, 9, 377-383.	1.2	36
41	Photosynthetic responses of Arctic sea-ice microalgae to short-term temperature acclimation. Polar Biology, 1989, 9, 437-442.	1.2	26
42	Resuspension in the shallow sublittoral zone of a macrotidal estuarine environment: Wind influence1. Limnology and Oceanography, 1987, 32, 327-339.	3.1	118
43	Sea-ice microalgae to test the hypothesis of photosynthetic adaptation to high frequency light fluctuations. Journal of Experimental Marine Biology and Ecology, 1986, 97, 321-326.	1.5	24
44	Photosynthetic and pigment responses of sea-ice microalgae to changes in light intensity and quality. Journal of Experimental Marine Biology and Ecology, 1986, 101, 211-226.	1.5	32
45	Nutrient limitation of the bottom-ice microalgal biomass (southeastern Hudson Bay, Canadian) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.1	50
46	The ¹⁴C method: Patterns of dark CO₂ fixation and DCMU correction to replace the dark bottle1,2. Limnology and Oceanography, 1983, 28, 996-1003.	3.1	90