

# Guillaume St-Onge

## List of Publications by Year in descending order

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101  
papers

2,743  
citations

145106

33  
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242451

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103  
docs citations

103  
times ranked

3149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diatom sedimentary assemblages and Holocene pH reconstruction from the Canadian Arctic Archipelago's largest lake. <i>Ecoscience</i> , 2021, 28, 347-360.	0.6	9
2	Sedimentary Processes Within the Canadian Arctic Archipelago: Relationships Among Sedimentological, Geochemical, and Magnetic Sediment Properties. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009719.	1.0	1
3	Defining the maximum extent of the Laurentide Ice Sheet in Home Bay (eastern Arctic Canada) during the Last Glacial episode. <i>Boreas</i> , 2020, 49, 52-70.	1.2	13
4	Storm-induced turbidity currents on a sediment-starved shelf: Insight from direct monitoring and repeat seabed mapping of upslope migrating bedforms. <i>Sedimentology</i> , 2020, 67, 1045-1068.	1.6	29
5	Annually resolved Atlantic sea surface temperature variability over the past 2,900 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27171-27178.	3.3	38
6	Pollen dispersal patterns in marine surface sediments from the San Jorge Gulf, SE Patagonia (Argentina). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 556, 109869.	1.0	2
7	Quantifying Provenance and Transport Pathways of Holocene Sediments From the Northwestern Greenland Margin. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003809.	1.3	8
8	Landforms and Landscapes of the Magdalen Islands: The Role of Geology and Climate. <i>World Geomorphological Landscapes</i> , 2020, , 431-451.	0.1	0
9	Evolution of sea-surface conditions on the northwestern Greenland margin during the Holocene. <i>Journal of Quaternary Science</i> , 2019, 34, 569-580.	1.1	19
10	Chronology and sedimentology of a new 2.9 ka annually laminated record from South Sawtooth Lake, Ellesmere Island in this NOAA depository: <a href="https://www.ncdc.noaa.gov/paleo/study/33214">https://www.ncdc.noaa.gov/paleo/study/33214</a> . <i>Quaternary Science Reviews</i> , 2019, 222, 105875.	1.4	6
11	Compositional changes in deglacial red mud event beds off the Laurentian Channel reveal source mixing, grain-size partitioning and ice retreat. <i>Quaternary Science Reviews</i> , 2019, 215, 98-115.	1.4	3
12	Holocene Changes in Deep Water Circulation Inferred From Authigenic Nd and Hf Isotopes in Sediment Records From the Chukchi-Alaskan and Canadian Beaufort Margins. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1038-1056.	1.3	10
13	REE distribution and Nd isotope composition of estuarine waters and bulk sediment leachates tracing lithogenic inputs in eastern Canada. <i>Marine Chemistry</i> , 2019, 211, 117-130.	0.9	25
14	Holocene chronostratigraphy of northeastern Baffin Bay based on radiocarbon and palaeomagnetic data. <i>Boreas</i> , 2019, 48, 147-165.	1.2	12
15	Late-Quaternary glacial to postglacial sedimentation in three adjacent fjord-lakes of the QuÃ©bec North Shore (eastern Canadian Shield). <i>Quaternary Science Reviews</i> , 2018, 186, 91-110.	1.4	16
16	Sedimentary and rock magnetic signatures and event scenarios of deglacial outburst floods from the Laurentian Channel Ice Stream. <i>Quaternary Science Reviews</i> , 2018, 186, 27-46.	1.4	12
17	Baffin Bay paleoenvironments in the LGM and HS1: Resolving the ice-shelf question. <i>Marine Geology</i> , 2018, 402, 5-16.	0.9	34
18	Chronostratigraphy and spatial distribution of magnetic sediments in the Chukchi and Beaufort seas since the last deglaciation. <i>Boreas</i> , 2018, 47, 544-564.	1.2	16

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19	Recent sedimentation in three adjacent fjord-lakes on the QuÃ©bec North Shore (eastern Canada): facies analysis, laminae preservation, and potential for varve formation. <i>Canadian Journal of Earth Sciences</i> , 2018, 55, 138-153.	0.6	2
20	Deglacial to postglacial history of Nares Strait, Northwest Greenland: a marine perspective from Kane Basin. <i>Climate of the Past</i> , 2018, 14, 1991-2010.	1.3	25
21	Multivariate modeling of glacial-marine lithostratigraphy combining scanning XRF, multisensory core properties, and CT imagery: IODP Site U1419. , 2018, 14, 1935-1960.		11
22	Are Paleomagnetic Records From UÃ©Channels Appropriate for Studies of Reversals and Excursions?. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4130-4142.	1.0	14
23	Sediment Provenance Changes in the Western Arctic Ocean in Response to Ice Rafting, Sea Level, and Oceanic Circulation Variations Since the Last Deglaciation. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2147-2165.	1.0	19
24	Distribution of Modern Dinoflagellate Cyst Assemblages in Surface Sediments of San Jorge Gulf (Patagonia, Argentina). <i>Oceanography</i> , 2018, 31, 122-131.	0.5	5
25	Large-scale seismically-induced mass-movements in a former glacial lake basin: Lake TÃ©miscouata, northeastern Appalachians (eastern Canada). <i>Marine Geology</i> , 2017, 384, 120-130.	0.9	28
26	Mineralogical, geochemical, and magnetic signatures of surface sediments from the <sc>C</sc>anadian <sc>B</sc>eaufort <sc>S</sc>half and <sc>A</sc>mundsen <sc>G</sc>ulf (<sc>C</sc>anadian <sc>A</sc>rtic). <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 488-512.	1.0	29
27	Influence of the Laurentide Ice Sheet and relative sea-level changes on sediment dynamics in the Estuary and Gulf of St. Lawrence since the last deglaciation. <i>Boreas</i> , 2017, 46, 541-561.	1.2	9
28	Contrasting fates of organic matter in locations having different organic matter inputs and bottom water O <sub>2</sub> concentrations. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 63-72.	0.9	6
29	Relative sea-level changes and glacio-isostatic adjustment on the Magdalen Islands archipelago (Atlantic Canada) from MIS 5 to the late Holocene. <i>Quaternary Science Reviews</i> , 2017, 171, 216-233.	1.4	10
30	Sediment records of the influence of river damming on the dynamics of the Nelson and Churchill Rivers, western Hudson Bay, Canada, during the last centuries. <i>Holocene</i> , 2017, 27, 712-725.	0.9	11
31	Authigenic <sup>10</sup> Be/ <sup>9</sup> Be ratios and <sup>10</sup> Be-fluxes ( <sup>230</sup> Thxs-normalized) in central Baffin Bay sediments during the last glacial cycle: Paleoenvironmental implications. <i>Quaternary Science Reviews</i> , 2016, 140, 142-162.	1.4	59
32	Chronology and stratigraphy of the Magdalen Islands archipelago from the last glaciation to the early Holocene: new insights into the glacial and sea-level history of eastern Canada. <i>Boreas</i> , 2016, 45, 604-628.	1.2	18
33	High-resolution paleomagnetic and sedimentological investigations on the Tibetan Plateau for the past 16 ka cal B.P.â€”The Tangra Yumco record. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 774-790.	1.0	22
34	Palaeoenvironmental history of the last six centuries in the Nettilling Lake area (Baffin Island,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	0.9	8
35	Unravelling the past 1,000 years of history of human climate-landscape interactions at the Lindu plain, Sulawesi, Indonesia. <i>Vegetation History and Archaeobotany</i> , 2016, 25, 1-17.	1.0	6
36	Earthquake Induced Landslides in Lake Ã©ternitÃ©, QuÃ©bec, Canada. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 361-370.	1.1	3

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37	Deglacial and postglacial evolution of the Pingualuit Crater Lake basin, northern Québec (Canada). <i>Geomorphology</i> , 2015, 248, 327-343.	1.1	5
38	Chronology and palaeoenvironmental implications of the ice-wedge pseudomorphs and composite-wedge casts on the Magdalen Islands (eastern Canada). <i>Boreas</i> , 2015, 44, 658-675.	1.2	13
39	Independently dated paleomagnetic secular variation records from the Tibetan Plateau. <i>Earth and Planetary Science Letters</i> , 2015, 416, 98-108.	1.8	30
40	Climate change and recent sedimentation in Nastapoka Sound, eastern coast of Hudson Bay. <i>Canadian Journal of Earth Sciences</i> , 2015, 52, 322-337.	0.6	4
41	Submarine canyons and channels in the Lower St. Lawrence Estuary (Eastern Canada): Morphology, classification and recent sediment dynamics. <i>Geomorphology</i> , 2015, 241, 1-18.	1.1	40
42	Mid-Pleistocene climate transition drives net mass loss from rapidly uplifting St. Elias Mountains, Alaska. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15042-15047.	3.3	74
43	Rock-magnetic proxies of wind intensity and dust since 51,200 cal BP from lacustrine sediments of Laguna Potrok Aike, southeastern Patagonia. <i>Earth and Planetary Science Letters</i> , 2015, 411, 72-86.	1.8	18
44	Microfacies and microstructures of subglacial and deglacial sediments from the Pingualuit Crater Lake (Ungava Peninsula, Canada). <i>Canadian Journal of Earth Sciences</i> , 2014, 51, 1084-1096.	0.6	7
45	Stratigraphy and infill history of the glacially eroded Matane River Valley, eastern Quebec, Canada. <i>Canadian Journal of Earth Sciences</i> , 2014, 51, 105-124.	0.6	9
46	North-eastern Laurentide, western Greenland and southern Innuitian ice stream dynamics during the last glacial cycle. <i>Journal of Quaternary Science</i> , 2014, 29, 14-26.	1.1	57
47	Environmental changes in Baffin Bay during the Holocene based on the physical and magnetic properties of sediment cores. <i>Journal of Quaternary Science</i> , 2014, 29, 41-56.	1.1	12
48	Morphodynamics in sediment-starved inner-shelf submarine canyons (Lower St. Lawrence Estuary). <i>Journal of Quaternary Science</i> , 2014, 29, 109-123.	0.9	43
49	Destructive and non-destructive density determination: method comparison and evaluation from the Laguna Potrok Aike sedimentary record. <i>Quaternary Science Reviews</i> , 2013, 71, 147-153.	1.4	54
50	Late-Holocene NAO and oceanic forcing on high-altitude proglacial sedimentation (Lake Bramant). <i>Journal of Quaternary Science</i> , 2013, 28, 109-123.	0.9	14
51	The Corossal structure: A possible impact crater on the seafloor of the northwestern Gulf of St. Lawrence, Eastern Canada. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2542-2558.	0.7	8
52	Late Quaternary glacial history and meltwater discharges along the Northeastern Newfoundland Shelf. <i>Canadian Journal of Earth Sciences</i> , 2013, 50, 1178-1194.	0.6	34
53	Pro- and postglacial invertebrate communities of Pingualuit Crater Lake, Nunavik (Canada), and their palaeoenvironmental implications. <i>Freshwater Science</i> , 2013, 32, 951-963.	0.9	7
54	High-resolution multiproxy records of sedimentological changes induced by dams in the Sept-Îles area (Gulf of St. Lawrence, Canada). <i>Marine Geology</i> , 2013, 338, 17-29.	0.9	10

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55	Quaternary history of sea ice in the western Arctic Ocean based on foraminifera. <i>Quaternary Science Reviews</i> , 2013, 79, 145-156.	1.4	75
56	High-resolution paleomagnetic secular variations and relative paleointensity since the Late Pleistocene in southern South America. <i>Quaternary Science Reviews</i> , 2013, 71, 91-108.	1.4	41
57	Lithology, radiocarbon chronology and sedimentological interpretation of the lacustrine record from Laguna Potrok Aike, southern Patagonia. <i>Quaternary Science Reviews</i> , 2013, 71, 54-69.	1.4	60
58	Shallow-water longshore drift-fed submarine fan deposition (Moisie River Delta, Eastern Canada). <i>Geo-Marine Letters</i> , 2013, 33, 391-403.	0.5	18
59	Evaluating Late Holocene radiocarbon-based chronologies by matching palaeomagnetic secular variations to geomagnetic field models: an example from Lake Kalimpa (Sulawesi, Indonesia). <i>Geological Society Special Publication</i> , 2013, 373, 245-259.	0.8	9
60	The Late Quaternary Flow through the Bering Strait Has Been Forced by the Southern Ocean Winds. <i>Journal of Physical Oceanography</i> , 2012, 42, 2014-2029.	0.7	11
61	New insights into paleoenvironmental changes in Laguna Potrok Aike, southern Patagonia, since the Late Pleistocene: The PASADO multiproxy record. <i>Holocene</i> , 2012, 22, 1323-1335.	0.9	39
62	High-resolution paleomagnetic records from Laguna Potrok Aike (Patagonia, Argentina) for the last 16,000 years. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	18
63	Late Quaternary chronostratigraphic framework of deep Baffin Bay glaciomarine sediments from high-resolution paleomagnetic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	35
64	Comparison of earthquake-triggered turbidites from the Saguenay (Eastern Canada) and Reloncavi (Chilean margin) Fjords: Implications for paleoseismicity and sedimentology. <i>Sedimentary Geology</i> , 2012, 243-244, 89-107.	1.0	72
65	New insights into Late Pleistocene glacial and postglacial history of northernmost Ungava (Canada) from Pingualuit Crater Lake sediments. <i>Quaternary Science Reviews</i> , 2011, 30, 3892-3907.	1.4	22
66	Paleomagnetism Near the North Magnetic Pole: A Unique Vantage Point for Understanding the Dynamics of the Geomagnetic Field and Its Secular Variations. <i>Oceanography</i> , 2011, 24, 42-50.	0.5	18
67	Oceanography and Quaternary geology of the St. Lawrence Estuary and the Saguenay Fjord. <i>IOP Conference Series: Earth and Environmental Science</i> , 2011, 14, 012004.	0.2	0
68	Marine geology of the St. Lawrence Estuary. <i>IOP Conference Series: Earth and Environmental Science</i> , 2011, 14, 012003.	0.2	2
69	Large-scale subaerial and submarine Holocene and recent mass movements in the Betsiamites area, Quebec, Canada. <i>Engineering Geology</i> , 2011, 121, 28-45.	2.9	30
70	Diatom-inferred wind activity at Lac du Sommet, southern Québec, Canada: A multiproxy paleoclimate reconstruction based on diatoms, chironomids and pollen for the past 9500 years. <i>Holocene</i> , 2011, 21, 925-938.	0.9	18
71	Holocene dynamics of the Arctic's largest ice shelf. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18899-18904.	3.3	41
72	Multi-proxy records of environmental changes in Hudson Bay and Strait since the final outburst flood of Lake Agassiz-Ojibway. <i>Marine Geology</i> , 2010, 271, 93-105.	0.9	6

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73	Role of the bedrock topography in the Quaternary filling of a giant estuarine basin: the Lower St. Lawrence Estuary, Eastern Canada. <i>Basin Research</i> , 2010, 22, 933-951.	1.3	37
74	Holocene sea ice history and climate variability along the main axis of the Northwest Passage, Canadian Arctic. <i>Paleoceanography</i> , 2010, 25, .	3.0	37
75	Holocene paleoceanography of the northwest passage, Canadian Arctic Archipelago. <i>Quaternary Science Reviews</i> , 2010, 29, 3468-3488.	1.4	42
76	Recent transfer of coastal sediments to the Laurentian Channel, Lower St. Lawrence Estuary (Eastern Tj ETQq0 0 0,rgBT /Overlock 10 T	0.5	16
77	CAT-scan analysis of sedimentary sequences: An ultrahigh-resolution paleoclimatic tool. <i>Engineering Geology</i> , 2009, 103, 127-133.	2.9	36
78	Paleomagnetic constraints on the Holocene stratigraphy of the Arctic Alaskan margin. <i>Global and Planetary Change</i> , 2009, 68, 85-99.	1.6	50
79	Impact of diagenesis on the environmental magnetic record from a Holocene sedimentary sequence from the Chukchiâ€Alaskan margin, Arctic Ocean. <i>Global and Planetary Change</i> , 2009, 68, 100-114.	1.6	21
80	Foraminiferal assemblage changes over the last 15,000 years on the Mackenzieâ€Beaufort Sea Slope and Amundsen Gulf, Canada: Implications for past sea ice conditions. <i>Paleoceanography</i> , 2009, 24, .	3.0	45
81	Late-Quaternary morpho-sedimentology and submarine mass movements of the Betsiamites area, Lower St. Lawrence Estuary, Quebec, Canada. <i>Marine Geology</i> , 2008, 251, 233-252.	0.9	41
82	The subglacial origin of the Lake Agassizâ€Ojibway final outburst flood. <i>Nature Geoscience</i> , 2008, 1, 184-188.	5.4	94
83	High-resolution paleomagnetic secular variation and relative paleointensity records from the western Canadian Arctic: implication for Holocene stratigraphy and geomagnetic field behaviourThis article is one of a series of papers published in this Special Issue on the theme <i>Polar Climate Stability Network</i>. <i>GEOTOP Contribution 2008-0024.. Canadian Journal of Earth Sciences</i> , 2008, 45, 1265-1281.	0.6	51
84	Identification and dating of a key Late Pleistocene stratigraphic unit in the St. Lawrence Estuary and Gulf (Eastern Canada). <i>Quaternary Science Reviews</i> , 2008, 27, 2390-2400.	1.4	40
85	Palynological evidence of Holocene climate change in the eastern Arctic: a possible shift in the Arctic oscillation at the millennial time scaleThis article is one of a series of papers published in this Special Issue on the theme <i>Polar Climate Stability Network</i>.. <i>Canadian Journal of Earth Sciences</i> , 2008, 45, 1363-1375.	0.6	38
86	High-resolution seismo-stratigraphy and sedimentological properties of late- and postglacial sediments in Lac Guillaume-Delisle Estuary and Nastapoka Sound, eastern Hudson Bay. <i>Canadian Journal of Earth Sciences</i> , 2008, 45, 427-441.	0.6	11
87	Chapter Three Magnetic Stratigraphy in <i>Paleoceanography: Reversals, Excursions, Paleointensity, and Secular Variation</i> . <i>Developments in Marine Geology</i> , 2007, 1, 99-138.	0.4	47
88	Chapter Two Continuous Physical Properties of Cored Marine Sediments. <i>Developments in Marine Geology</i> , 2007, , 63-98.	0.4	46
89	High-altitude varve records of abrupt environmental changes and mining activity over the last 4000 years in the Western French Alps (Lake Bramant, Grandes Rousses Massif). <i>Quaternary Science Reviews</i> , 2007, 26, 2644-2660.	1.4	163
90	Flood-Induced Turbidites From Northern Hudson Bay And Western Hudson Strait: A Two-Pulse Record Of Lake Agassiz Final Outburst Flood?. , 2007, , 129-137.		9

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91	Submarine Mass Movements In The Betsiamites Area, Lower St. Lawrence Estuary, QuÃ©bec, Canada. , 2007, , 233-241.		3
92	The Ad 1881 Earthquake-Triggered Slump And Late Holocene Flood-Induced Turbidites From Proglacial Lake Bramant, Western French Alps. , 2007, , 279-286.		20
93	Morphosedimentology Of Submarine Mass-Movements And Gravity Flows Offshore Sept-ÃŽles, Nw Gulf Of St. Lawrence (QuÃ©bec, Canada). , 2007, , 287-296.		6
94	Earthquake and flood-induced turbidites in the Saguenay Fjord (QuÃ©bec): a Holocene paleoseismicity record. Quaternary Science Reviews, 2004, 23, 283-294.	1.4	130
95	Holocene paleomagnetic records from the St. Lawrence Estuary, eastern Canada: centennial- to millennial-scale geomagnetic modulation of cosmogenic isotopes. Earth and Planetary Science Letters, 2003, 209, 113-130.	1.8	168
96	Isotopic constraints of sedimentary inputs and organic carbon burial rates in the Saguenay Fjord, Quebec. Marine Geology, 2001, 176, 1-22.	0.9	85
97	Timing and controls on the delivery of coarse sediment to deltas and submarine fans on a formerly glaciated coast and shelf. Bulletin of the Geological Society of America, 0, , .	1.6	3
98	A new ~â€‰900-year varved record in Lake Walker, QuÃ©bec North Shore, eastern Canada: insight on late Holocene climate mode of variability. Journal of Paleolimnology, 0, , 1.	0.8	3
99	IODP workshop: developing scientific drilling proposals for the Argentina Passive Volcanic Continental Margin (APVCM) â€” basin evolution, deep biosphere, hydrates, sediment dynamics and ocean evolution. Scientific Drilling, 0, 22, 49-61.	1.0	1
100	High resolution inclination records from the Gulf of Alaska, Iodp Expedition 341 sites U1418 and U1419. Geophysical Journal International, 0, , .	1.0	2
101	Lateglacial and Holocene sedimentary dynamics in northwestern Baffin Bay as recorded in sediment cores from Cape Norton Shaw Inlet (Nunavut, Canada). Boreas, 0, , .	1.2	5