

Guillaume St-Onge

List of Publications by Year in descending order

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112
papers

2,942
citations

126907

33
h-index

206112

48
g-index

114
all docs

114
docs citations

114
times ranked

2941
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene paleomagnetic records from the St. Lawrence Estuary, eastern Canada: centennial- to millennial-scale geomagnetic modulation of cosmogenic isotopes. <i>Earth and Planetary Science Letters</i> , 2003, 209, 113-130.	4.4	168
2	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.	3.0	163
3	Earthquake and flood-induced turbidites in the Saguenay Fjord (Qu�bec): a Holocene paleoseismicity record. <i>Quaternary Science Reviews</i> , 2004, 23, 283-294.	3.0	130
4	The subglacial origin of the Lake Agassiz�Ojibway final outburst flood. <i>Nature Geoscience</i> , 2008, 1, 184-188.	12.9	94
5	Isotopic constraints of sedimentary inputs and organic carbon burial rates in the Saguenay Fjord, Quebec. <i>Marine Geology</i> , 2001, 176, 1-22.	2.1	85
6	Quaternary history of sea ice in the western Arctic Ocean based on foraminifera. <i>Quaternary Science Reviews</i> , 2013, 79, 145-156.	3.0	75
7	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.	7.1	74
8	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.	2.1	72
9	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.	3.0	60
10	Authigenic $^{10}\text{Be}/^{9}\text{Be}$ ratios and ^{10}Be -fluxes (^{230}Th -normalized) in central Baffin Bay sediments during the last glacial cycle: Paleoenvironmental implications. <i>Quaternary Science Reviews</i> , 2016, 140, 142-162.	3.0	59
11	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.	2.1	57
12	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.	3.0	54
13	High-resolution paleomagnetic secular variation and relative paleointensity records from the western Canadian Arctic: implication for Holocene stratigraphy and geomagnetic field behaviour This article is one of a series of papers published in this Special Issue on the theme <i>Polar Climate Stability Network</i>. GEOTOP Contribution 2008-0024.. <i>Canadian Journal of Earth Sciences</i> , 2008, 45, 1265-1281.	1.3	51
14	Universal Nonlinear Infection Kernel from Heterogeneous Exposure on Higher-Order Networks. <i>Physical Review Letters</i> , 2021, 127, 158301.	7.8	51
15	Paleomagnetic constraints on the Holocene stratigraphy of the Arctic Alaskan margin. <i>Global and Planetary Change</i> , 2009, 68, 85-99.	3.5	50
16	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
17	Chapter Two Continuous Physical Properties of Cored Marine Sediments. <i>Developments in Marine Geology</i> , 2007, , 63-98.	0.4	46
18	Foraminiferal assemblage changes over the last 15,000 years on the Mackenzie�Beaufort Sea Slope and Amundsen Gulf, Canada: Implications for past sea ice conditions. <i>Paleoceanography</i> , 2009, 24, .	3.0	45

#	ARTICLE	IF	CITATIONS
19	Morphodynamics in sediment-starved inner-shelf submarine canyons (Lower St. Lawrence Estuary,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	43
20	Holocene paleoceanography of the northwest passage, Canadian Arctic Archipelago. Quaternary Science Reviews, 2010, 29, 3468-3488.	3.0	42
21	Late-Quaternary morpho-sedimentology and submarine mass movements of the Betsiamites area, Lower St. Lawrence Estuary, Quebec, Canada. Marine Geology, 2008, 251, 233-252.	2.1	41
22	Holocene dynamics of the Arctic's largest ice shelf. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18899-18904.	7.1	41
23	High-resolution paleomagnetic secular variations and relative paleointensity since the Late Pleistocene in southern South America. Quaternary Science Reviews, 2013, 71, 91-108.	3.0	41
24	Identification and dating of a key Late Pleistocene stratigraphic unit in the St. Lawrence Estuary and Gulf (Eastern Canada). Quaternary Science Reviews, 2008, 27, 2390-2400.	3.0	40
25	Submarine canyons and channels in the Lower St. Lawrence Estuary (Eastern Canada): Morphology, classification and recent sediment dynamics. Geomorphology, 2015, 241, 1-18.	2.6	40
26	New insights into paleoenvironmental changes in Laguna Potrok Aike, southern Patagonia, since the Late Pleistocene: The PASADO multiproxy record. Holocene, 2012, 22, 1323-1335.	1.7	39
27	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>.. Canadian Journal of Earth Sciences, 2008, 45, 1363-1375.	1.3	38
28	Role of the bedrock topography in the Quaternary filling of a giant estuarine basin: the Lower St. Lawrence Estuary, Eastern Canada. Basin Research, 2010, 22, 933-951.	2.7	37
29	Holocene sea ice history and climate variability along the main axis of the Northwest Passage, Canadian Arctic. Paleoceanography, 2010, 25, .	3.0	37
30	CAT-scan analysis of sedimentary sequences: An ultrahigh-resolution paleoclimatic tool. Engineering Geology, 2009, 103, 127-133.	6.3	36
31	Late Quaternary chronostratigraphic framework of deep Baffin Bay glaciomarine sediments from high-resolution paleomagnetic data. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	35
32	Late Quaternary glacial history and meltwater discharges along the Northeastern Newfoundland Shelf. Canadian Journal of Earth Sciences, 2013, 50, 1178-1194.	1.3	34
33	Baffin Bay paleoenvironments in the LGM and HS1: Resolving the ice-shelf question. Marine Geology, 2018, 402, 5-16.	2.1	34
34	Large-scale subaerial and submarine Holocene and recent mass movements in the Betsiamites area, Quebec, Canada. Engineering Geology, 2011, 121, 28-45.	6.3	30
35	Independently dated paleomagnetic secular variation records from the Tibetan Plateau. Earth and Planetary Science Letters, 2015, 416, 98-108.	4.4	30
36	Social Confinement and Mesoscopic Localization of Epidemics on Networks. Physical Review Letters, 2021, 126, 098301.	7.8	30

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37	Mineralogical, geochemical, and magnetic signatures of surface sediments from the <sc>C</sc>anadian <sc>B</sc>eaufort <sc>S</sc>elf and <sc>A</sc>mundsen <sc>G</sc>ulf (<sc>C</sc>anadian <sc>A</sc>rctic). <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 488-512.	2.5	29
38	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.	3.1	29
39	Large-scale seismically-induced mass-movements in a former glacial lake basin: Lake Tmiscouata, northeastern Appalachians (eastern Canada). <i>Marine Geology</i> , 2017, 384, 120-130.	2.1	28
40	Efficient sampling of spreading processes on complex networks using a composition and rejection algorithm. <i>Computer Physics Communications</i> , 2019, 240, 30-37.	7.5	26
41	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.	3.4	25
42	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.	2.3	25
43	Influential groups for seeding and sustaining nonlinear contagion in heterogeneous hypergraphs. <i>Communications Physics</i> , 2022, 5, .	5.3	25
44	Master equation analysis of mesoscopic localization in contagion dynamics on higher-order networks. <i>Physical Review E</i> , 2021, 103, 032301.	2.1	24
45	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.	3.0	22
46	High-resolution paleomagnetic and sedimentological investigations on the Tibetan Plateau for the past 16 ka cal B.P. The Tangra Yumco record. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 774-790.	2.5	22
47	Universality of the stochastic block model. <i>Physical Review E</i> , 2018, 98, .	2.1	22
48	Impact of diagenesis on the environmental magnetic record from a Holocene sedimentary sequence from the Chukchi-Alaskan margin, Arctic Ocean. <i>Global and Planetary Change</i> , 2009, 68, 100-114.	3.5	21
49	Phase transition of the susceptible-infected-susceptible dynamics on time-varying configuration model networks. <i>Physical Review E</i> , 2018, 97, 022305.	2.1	21
50	The Ad 1881 Earthquake-Triggered Slump And Late Holocene Flood-Induced Turbidites From Proglacial Lake Bramant, Western French Alps. , 2007, , 279-286.		20
51	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.	2.5	19
52	Evolution of sea-surface conditions on the northwestern Greenland margin during the Holocene. <i>Journal of Quaternary Science</i> , 2019, 34, 569-580.	2.1	19
53	Diatom-inferred wind activity at Lac du Sommet, southern Qubec, Canada: A multiproxy paleoclimate reconstruction based on diatoms, chironomids and pollen for the past 9500 years. <i>Holocene</i> , 2011, 21, 925-938.	1.7	18
54	High-resolution paleomagnetic records from Laguna Potrok Aike (Patagonia, Argentina) for the last 16,000 years. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	18

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55	Shallow-water longshore drift-fed submarine fan deposition (Moisie River Delta, Eastern Canada). <i>Geo-Marine Letters</i> , 2013, 33, 391-403.	1.1	18
56	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.	4.4	18
57	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.	2.4	18
58	Recent transfer of coastal sediments to the Laurentian Channel, Lower St. Lawrence Estuary (Eastern Tj ETQq0 0 0,rgBT /Overlock 10 Tf	1.1	16
59	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.	3.0	16
60	Chronostratigraphy and spatial distribution of magnetic sediments in the Chukchi and Beaufort seas since the last deglaciation. <i>Boreas</i> , 2018, 47, 544-564.	2.4	16
61	Late-Holocene NAO and oceanic forcing on high-altitude proglacial sedimentation (Lake Bramant,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	14
62	Are Paleomagnetic Records From UÃ©Channels Appropriate for Studies of Reversals and Excursions?. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4130-4142.	2.5	14
63	Threefold way to the dimension reduction of dynamics on networks: An application to synchronization. <i>Physical Review Research</i> , 2020, 2, .	3.6	14
64	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.	2.4	13
65	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.	2.4	13
66	New Evidence of Holocene Mass Wasting Events in Recent Volcanic Lakes from the French Massif Central (Lakes Pavin, Montcineyre and Chauvet) and Implications for Natural Hazards. , 2012, , 255-264.		13
67	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.	2.1	12
68	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.	3.0	12
69	Phase Transition in the Recoverability of Network History. <i>Physical Review X</i> , 2019, 9, .	8.9	12
70	Holocene chronostratigraphy of northeastern Baffin Bay based on radiocarbon and palaeomagnetic data. <i>Boreas</i> , 2019, 48, 147-165.	2.4	12
71	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.	1.3	11
72	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.	1.7	11

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73	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.	1.7	11
74	Multivariate modeling of glacial-marine lithostratigraphy combining scanning XRF, multisensory core properties, and CT imagery: IODP Site U1419. , 2018, 14, 1935-1960.		11
75	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.	2.1	10
76	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.	3.0	10
77	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.	2.9	10
78	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.	1.3	9
79	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.	1.3	9
80	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.	2.4	9
81	Diatom sedimentary assemblages and Holocene pH reconstruction from the Canadian Arctic Archipelago's largest lake. <i>Ecoscience</i> , 2021, 28, 347-360.	1.4	9
82	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
83	The Corossol 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.	1.6	8
84	Palaeoenvironmental history of the last six centuries in the Nettilling Lake area (Baffin Island,) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 302	1.7	8
85	Quantifying Provenance and Transport Pathways of Holocene Sediments From the Northwestern Greenland Margin. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003809.	2.9	8
86	Pro- and postglacial invertebrate communities of Pingualuit Crater Lake, Nunavik (Canada), and their paleoenvironmental implications. <i>Freshwater Science</i> , 2013, 32, 951-963.	1.8	7
87	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.	1.3	7
88	Multi-proxy records of environmental changes in Hudson Bay and Strait since the final outburst flood of Lake Agassiz's Ojibway. <i>Marine Geology</i> , 2010, 271, 93-105.	2.1	6
89	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.	2.1	6
90	Contrasting fates of organic matter in locations having different organic matter inputs and bottom water O ₂ concentrations. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 63-72.	2.1	6

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91	Chronology and sedimentology of a new 2.9 ka annually laminated record from South Sawtooth Lake, Ellesmere Island in this NOAA depository: https://www.ncdc.noaa.gov/paleo/study/33214 . Quaternary Science Reviews, 2019, 222, 105875.	3.0	6
92	Localization, epidemic transitions, and unpredictability of multistrain epidemics with an underlying genotype network. PLoS Computational Biology, 2021, 17, e1008606.	3.2	6
93	Inference, Model Selection, and the Combinatorics of Growing Trees. Physical Review Letters, 2021, 126, 038301.	7.8	6
94	Morphosedimentology Of Submarine Mass-Movements And Gravity Flows Offshore Sept-Îles, Nw Gulf Of St. Lawrence (Québec, Canada). , 2007, , 287-296.		6
95	Deglacial and postglacial evolution of the Pingualuit Crater Lake basin, northern Québec (Canada). Geomorphology, 2015, 248, 327-343.	2.6	5
96	Geometric evolution of complex networks with degree correlations. Physical Review E, 2018, 97, 032309.	2.1	5
97	Distribution of Modern Dinoflagellate Cyst Assemblages in Surface Sediments of San Jorge Gulf (Patagonia, Argentina). Oceanography, 2018, 31, 122-131.	1.0	5
98	Source-sink behavioural dynamics limit institutional evolution in a group-structured society. Royal Society Open Science, 2022, 9, 211743.	2.4	5
99	Lateglacial and Holocene sedimentary dynamics in northwestern Baffin Bay as recorded in sediment cores from Cape Norton Shaw Inlet (Nunavut, Canada). Boreas, 0, , .	2.4	5
100	Climate change and recent sedimentation in Nastapoka Sound, eastern coast of Hudson Bay. Canadian Journal of Earth Sciences, 2015, 52, 322-337.	1.3	4
101	Compositional changes in deglacial red mud event beds off the Laurentian Channel reveal source mixing, grain-size partitioning and ice retreat. Quaternary Science Reviews, 2019, 215, 98-115.	3.0	3
102	Submarine Mass Movements In The Betsiamites Area, Lower St. Lawrence Estuary, Québec, Canada. , 2007, , 233-241.		3
103	Earthquake Induced Landslides in Lake ȚternitȚ, Québec, Canada. Advances in Natural and Technological Hazards Research, 2016, , 361-370.	1.1	3
104	A new ~900-year varved record in Lake Walker, Québec North Shore, eastern Canada: insight on late Holocene climate mode of variability. Journal of Paleolimnology, 0, , 1.	1.6	3
105	Marine geology of the St. Lawrence Estuary. IOP Conference Series: Earth and Environmental Science, 2011, 14, 012003.	0.3	2
106	Recent sedimentation in three adjacent fjord-lakes on the Québec North Shore (eastern Canada): facies analysis, laminae preservation, and potential for varve formation. Canadian Journal of Earth Sciences, 2018, 55, 138-153.	1.3	2
107	Pollen dispersal patterns in marine surface sediments from the San Jorge Gulf, SE Patagonia (Argentina). Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 556, 109869.	2.3	2
108	The Betsiamites-Colombier slides along the St: Lawrence Estuary Linking a 7250 years BP submarine slide to a 1663 coastal landslide. , 2016, , 605-614.		1

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109	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.	0.6	1
110	Oceanography and Quaternary geology of the St. Lawrence Estuary and the Saguenay Fjord. IOP Conference Series: Earth and Environmental Science, 2011, 14, 012004.	0.3	0
111	Ocean and climate changes in polar and sub-polar environments: proceedings from the 2010 IODP-Canada/ECORD summer school. IOP Conference Series: Earth and Environmental Science, 2011, 14, 011001.	0.3	0
112	Landforms and Landscapes of the Magdalen Islands: The Role of Geology and Climate. World Geomorphological Landscapes, 2020, , 431-451.	0.3	0