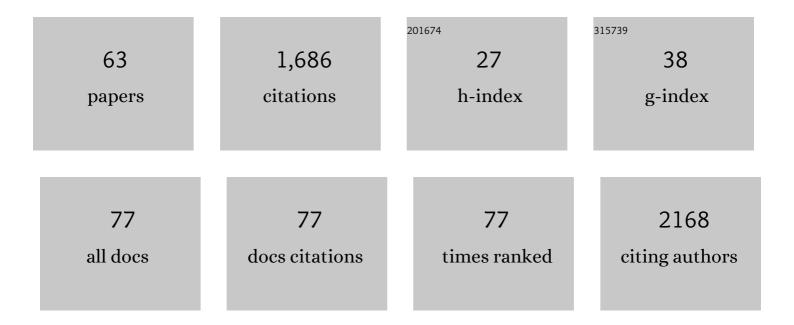
Sebastien Bertrand

List of Publications by Year in descending order

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SERASTIEN REDTRAND

#	Article	IF	CITATIONS
1	Provenance of Baker River sediments (Chile, 48°S): Implications for the identification of flood deposits in fjord sediments. Earth Surface Processes and Landforms, 2022, 47, 825-838.	2.5	5
2	Long-lasting impacts of a 20th century glacial lake outburst flood on a Patagonian fjord-river system (Pascua River). Geomorphology, 2022, 399, 108080.	2.6	5
3	Glacial isostatic adjustment near the center of the former Patagonian Ice Sheet (48°S) during the last 16.5 kyr. Quaternary Science Reviews, 2022, 277, 107346.	3.0	4
4	Seasonal Variations in Fjord Sediment Grain Size: A Preâ€requisite for Hydrological and Climate Reconstructions in Partially Glacierized Watersheds (Baker River, Patagonia). Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	4
5	Highâ€resolution fjord sediment record of a receding glacier with growing intermediate proglacial lake (Steffen Fjord, Chilean Patagonia). Earth Surface Processes and Landforms, 2021, 46, 239-251.	2.5	11
6	Sediment Provenance in the Baker-MartÃnez Fjord System (Chile, 48°S) Indicated by Magnetic Susceptibility and Inorganic Geochemistry. Frontiers in Marine Science, 2021, 8, .	2.5	2
7	Signature of modern glacial lake outburst floods in fjord sediments (Baker River, southern Chile). Sedimentology, 2021, 68, 2798-2819.	3.1	14
8	Late Holocene current patterns in the northern Patagonian fjords recorded by sediment drifts in Aysén Fjord. Marine Geology, 2021, 441, 106604.	2.1	1
9	Modern sedimentary processes at the heads of MartÃnez Channel and Steffen Fjord, Chilean Patagonia. Marine Geology, 2020, 419, 106076.	2.1	15
10	The Influence of Glacial Cover on Riverine Silicon and Iron Exports in Chilean Patagonia. Global Biogeochemical Cycles, 2020, 34, e2020GB006611.	4.9	12
11	Provenance of northwestern Patagonian river sediments (44–48°S): A critical evaluation of mineralogical, geochemical and isotopic tracers. Sedimentary Geology, 2020, 408, 105744.	2.1	8
12	Neoglacial increase in high-magnitude glacial lake outburst flood frequency, upper Baker River, Chilean Patagonia (47°S). Quaternary Science Reviews, 2020, 248, 106572.	3.0	17
13	Fjords as Aquatic Critical Zones (ACZs). Earth-Science Reviews, 2020, 203, 103145.	9.1	104
14	A global database of Holocene paleotemperature records. Scientific Data, 2020, 7, 115.	5.3	112
15	THE INFLUENCE OF GLACIER COVER ON IRON AND MANGANESE CYCLING IN PATAGONIAN FJORDS. , 2020, , .		0
16	An Empirical Method to Predict Sediment Grain Size From Inorganic Geochemical Measurements. Geochemistry, Geophysics, Geosystems, 2019, 20, 3690-3704.	2.5	14
17	PaCTS 1.0: A Crowdsourced Reporting Standard for Paleoclimate Data. Paleoceanography and Paleoclimatology, 2019, 34, 1570-1596.	2.9	30
18	Potentially large post-1505 AD earthquakes in western Nepal revealed by a lake sediment record. Nature Communications, 2019, 10, 2258.	12.8	33

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19	Compositional and biogeochemical variations of sediments across the terrestrial-marine continuum of the Baker-MartĀnez fjord system (Chile, 48°S). Progress in Oceanography, 2019, 174, 89-104.	3.2	18
20	Hydroclimate variability of northern Chilean Patagonia during the last 20 kyr inferred from the bulk organic geochemistry of Lago Castor sediments (45°S). Quaternary Science Reviews, 2019, 204, 105-118.	3.0	11
21	First evidence of a mid-Holocene earthquake-triggered megaturbidite south of the Chile Triple Junction. Sedimentary Geology, 2018, 375, 120-133.	2.1	7
22	Introduction to the special issue "Analysis of sediment properties and provenance: Tools for palaeo-environmental reconstruction". Sedimentary Geology, 2018, 375, 1-4.	2.1	5
23	Lacustrine record of last millennia eruptions in Northern Chilean Patagonia (45–47°S). Holocene, 2017, 27, 1227-1251.	1.7	5
24	Postglacial fluctuations of Cordillera Darwin glaciers (southernmost Patagonia) reconstructed from Almirantazgo fjord sediments. Quaternary Science Reviews, 2017, 177, 265-275.	3.0	28
25	Sources of dissolved silica to the fjords of northern Patagonia (44–48°S): the importance of volcanic ash soil distribution and weathering. Earth Surface Processes and Landforms, 2016, 41, 499-512.	2.5	19
26	Elevated dust deposition in Tierra del Fuego (Chile) resulting from Neoglacial Darwin Cordillera glacier fluctuations. Journal of Quaternary Science, 2016, 31, 713-722.	2.1	22
27	Late Quaternary evolution of Lago Castor (Chile, 45.6°S): Timing of the deglaciation in northern Patagonia and evolution of the southern westerlies during the last 17 kyr. Quaternary Science Reviews, 2016, 133, 130-146.	3.0	40
28	Synchronisation of sedimentary records using tephra: A postglacial tephrochronological model for the Chilean Lake District. Quaternary Science Reviews, 2016, 137, 234-254.	3.0	46
29	Late Holocene high precipitation events recorded in lake sediments and catchment geomorphology, Lake VuoksjÃįvrÅįtje, <scp>NW</scp> Sweden. Boreas, 2015, 44, 676-692.	2.4	11
30	Late Holocene precipitation variability recorded in the sediments of ReloncavÃ-Fjord (41°S, 72°W), Chile. Quaternary Research, 2015, 84, 21-36.	1.7	13
31	Holocene variations in productivity associated with changes in glacier activity and freshwater flux in the central basin of the Strait of Magellan. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 436, 112-122.	2.3	27
32	Limited Influence of Sediment Grain Size on Elemental XRF Core Scanner Measurements. Developments in Paleoenvironmental Research, 2015, , 473-490.	8.0	6
33	Late Holocene covariability of the southern westerlies and sea surface temperature in northern Chilean Patagonia. Quaternary Science Reviews, 2014, 105, 195-208.	3.0	45
34	Deposition of the 2011-2012 Cordón Caulle tephra (Chile, 40°S) in lake sediments: Implications for tephrochronology and volcanology. Journal of Geophysical Research F: Earth Surface, 2014, 119, 2555-2573.	2.8	48
35	Changes in sub-fossil chironomid assemblages in two Northern Patagonian lake systems associated with the occurrence of historical fires. Journal of Paleolimnology, 2013, 50, 41-56.	1.6	8
36	DESCIFRANDO LA HISTORIA AMBIENTAL DE LOS ARCHIPIÉLAGOS DE AYSÉN, CHILE: EL INFLUJO COLONIAL N EXPLOTACIÓN ECONÓMICA-MERCANTIL REPUBLICANA (SIGLOS XVI-XIX). Magallania, 2013, 41, 29-52.	ч Ь <u>А</u>	9

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#	Article	IF	CITATIONS
37	Gualas Glacier sedimentary record of climate and environmental change, Golfo Elefantes, Western Patagonia (46.5°S). Holocene, 2012, 22, 451-463.	1.7	9
38	Using the N/C ratio to correct bulk radiocarbon ages from lake sediments: Insights from Chilean Patagonia. Quaternary Geochronology, 2012, 12, 23-29.	1.4	35
39	Covariability of precipitation and sea surface temperature changes in Northern Chilean Patagonia during the last 2000 years. Quaternary International, 2012, 279-280, 50.	1.5	0
40	Ostracods from a Marmara Sea lagoon (Turkey) as tsunami indicators. Quaternary International, 2012, 261, 156-161.	1.5	16
41	Geochemistry of surface sediments from the fjords of Northern Chilean Patagonia (44–47°S): Spatial variability and implications for paleoclimate reconstructions. Geochimica Et Cosmochimica Acta, 2012, 76, 125-146.	3.9	63
42	Precipitation as the main driver of Neoglacial fluctuations of Gualas glacier, Northern Patagonian Icefield. Climate of the Past, 2012, 8, 519-534.	3.4	31
43	Sedimentary record of coseismic subsidence in Hersek coastal lagoon (Izmit Bay, Turkey) and the late Holocene activity of the North Anatolian Fault. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	21
44	Geochemical evidence (C, N and Pb isotopes) of recent anthropogenic impact in south entral Chile from two environmentally distinct lake sediment records. Journal of Quaternary Science, 2010, 25, 1100-1112.	2.1	6
45	Bulk organic geochemistry of sediments from Puyehue Lake and its watershed (Chile, 40°S): Implications for paleoenvironmental reconstructions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 294, 56-71.	2.3	31
46	Late Holocene sea-surface temperature and precipitation variability in northern Patagonia, Chile (Jacaf) Tj ETQ	q0 0 0 rgBT 1.7	/Overlock 10
47	Palaeolimnology of Lake Sapanca and identification of historic earthquake signals, Northern Anatolian Fault Zone (Turkey). Quaternary Science Reviews, 2009, 28, 991-1005.	3.0	32
48	Seismic stratigraphy of Lago Puyehue (Chilean Lake District): new views on its deglacial and Holocene evolution. Journal of Paleolimnology, 2008, 39, 163-177.	1.6	35
49	Late Quaternary climatic changes in southern Chile, as recorded in a diatom sequence of Lago Puyehue (40°40′ÂS). Journal of Paleolimnology, 2008, 39, 219-235.	1.6	27
50	Climate variability of southern Chile since the Last Glacial Maximum: a continuous sedimentological record from Lago Puyehue (40°S). Journal of Paleolimnology, 2008, 39, 179-195.	1.6	55
51	Tephrostratigraphy of the late glacial and Holocene sediments of Puyehue Lake (Southern Volcanic) Tj ETQq1	1 0.784314 1.7	rgBT /Overlo
52	Late Holocene marine productivity changes in Northern Patagonia-Chile inferred from a multi-proxy analysis of Jacaf channel sediments. Estuarine, Coastal and Shelf Science, 2008, 80, 314-322.	2.1	18
53	Reconstruction of the Holocene seismotectonic activity of the Southern Andes from seismites recorded in Lago Icalma, Chile, 39°S. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 259, 301-322.	2.3	72
54	Nature, origin, transport and deposition of andosol parent material in south-central Chile (36–42°S). Catena, 2008, 73, 10-22.	5.0	29

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55	Téphrostratigraphie de sédiments lacustres situés en contexte géodynamique actif : exemple des sédiments du lac Icalma (Chili, zone volcanique sud, 38°S). Quaternaire, 2008, , 175-189.	0.2	4
56	Changes in diatom, pollen, and chironomid assemblages in response to a recent volcanic event in Lake Galletué (Chilean Andes). Limnologica, 2007, 37, 49-62.	1.5	34
57	Changes of sub-fossil chironomid assemblages associated with volcanic sediment deposition in an Andean lake (38°S), Chile. Revista Chilena De Historia Natural, 2007, 80, .	1.2	15
58	Recent clastic sedimentation processes in Lake Puyehue (Chilean Lake District, 40.5°S). Sedimentary Geology, 2007, 201, 365-385.	2.1	34
59	Radionuclide dating (210Pb, 137Cs, 241Am) of recent lake sediments in a highly active geodynamic setting (Lakes Puyehue and Icalma—Chilean Lake District). Science of the Total Environment, 2006, 366, 837-850.	8.0	100
60	Changes in diatom assemblages in an Andean lake in response to a recent volcanic event. Archiv Für Hydrobiologie, 2006, 165, 23-35.	1.1	28
61	Temporal evolution of sediment supply in Lago Puyehue (Southern Chile) during the last 600 yr and its climatic significance. Quaternary Research, 2005, 64, 163-175.	1.7	54
62	Sequence mapping of Holocene coastal lowlands: the application of the Streif classification system in the Belgian coastal plain. Quaternary International, 2005, 133-134, 151-158.	1.5	9
63	CHEMICAL PROFILES IN LAKE SEDIMENTS IN LAGUNA CHICA DE SAN PEDRO (BIO-BIO REGION, CHILE). Journal of the Chilean Chemical Society, 2005, 50, .	1.2	5