John B Anderson

List of Publications by Year in Descending Order

135 papers	5,481 citations	44 h-index	69 g-index
138 ext. papers	5,979 ext. citations	4.5 avg, IF	5.64 L-index

#	Paper	IF	Citations
135	Oceanographic and climatic influences on Trooz Glacier, Antarctica during the Holocene. *Quaternary Science Reviews*, **2022**, 276, 107279	3.9	0
134	Holocene progradation and retrogradation of the Central Texas Coast regulated by alongshore and cross-shore sediment flux variability. *Depositional Record*, **2021**, 7, 77-92	2	1
133	Foraminiferal Patterns in Deglacial Sediment in the Western Ross Sea, Antarctica: Life Near Grounding Lines. *Paleoceanography and Paleoclimatology*, **2020**, 35, e2019PA003716	3.3	6
132	Timing and pathways of East Antarctic Ice Sheet retreat. *Quaternary Science Reviews*, **2020**, 230, 106166	3.9	28
131	Revealing the former bed of Thwaites Glacier using sea-floor bathymetry: implications for warm-water routing and bed controls on ice flow and buttressing. *Cryosphere*, **2020**, 14, 2883-2908	5.5	11
130	Morphometry of bedrock meltwater channels on Antarctic inner continental shelves: Implications for channel development and subglacial hydrology. *Geomorphology*, **2020**, 370, 107369	4.3	1
129	A subglacial hydrologic drainage hypothesis for silt sorting and deposition during retreat in Pine Island Bay. *Annals of Glaciology*, **2019**, 60, 14-20	2.5	1
128	Sedimentary processes at ice sheet grounding-zone wedges revealed by outcrops, Washington State (USA). *Earth Surface Processes and Landforms*, **2019**, 44, 1209-1220	3.7	5
127	Seismic and geomorphic records of Antarctic Ice Sheet evolution in the Ross Sea and controlling factors in its behaviour. *Geological Society Special Publication*, **2019**, 475, 223-240	1.7	8
126	Holocene vegetation and climate evolution of Corpus Christi and Trinity bays: Implications on coastal Texas source-to-sink deposition. *Geobios*, **2018**, 51, 123-135	1.5	6
125	Breaching of Mustang Island in response to the 8.2 ka sea-level event and impact on Corpus Christi Bay, Gulf of Mexico: Implications for future coastal change. *Holocene*, **2018**, 28, 166-172	2.6	7
124	Glacial retreat patterns and processes determined from integrated sedimentology and geomorphology records. *Marine Geology*, **2018**, 395, 104-119	3.3	41
123	Bayhead deltas and shorelines: Insights from modern and ancient examples. *Sedimentary Geology*, **2018**, 374, 17-35	2.8	16
122	Follets Island: A Case of Unprecedented Change and Transition from Rollover to Subaqueous Shoals **2018**, 147-174		11
121	Characteristics of the deforming bed: till properties on the deglaciated Antarctic continental shelf. *Journal of Glaciology*, **2018**, 64, 1014-1027	3.4	8
120	Diagnosing ice sheet grounding line stability from landform morphology. *Cryosphere*, **2018**, 12, 2707-2726	5.5	19
119	Holocene reconfiguration and readvance of the East Antarctic Ice Sheet. *Nature Communications*, **2018**, 9, 3176	17.4	25

118	Oceanographic influences on the stability of the Cosgrove Ice Shelf, Antarctica. *Holocene*, **2017**, 27, 1645-1658	2.6	13
117	Morphodynamic modeling of fluvial channel fill and avulsion time scales during early Holocene transgression, as substantiated by the incised valley stratigraphy of the Trinity River, Texas. *Journal of Geophysical Research F: Earth Surface*, **2017**, 122, 215-234	3.8	14
116	Post-LGM Grounding-Line Positions of the Bindschadler Paleo Ice Stream in the Ross Sea Embayment, Antarctica. *Journal of Geophysical Research F: Earth Surface*, **2017**, 122, 1827-1844	3.8	13
115	Anatomy of a meltwater drainage system beneath the ancestral East Antarctic ice sheet. *Nature Geoscience*, **2017**, 10, 691-697	18.3	45
114	A Holocene Record of Flux of Alluvial Sediment Related To Climate: Case Studies From the Northern Gulf of Mexico. *Journal of Sedimentary Research*, **2017**, 87, 780-794	2.1	3
113	Environmental connotations of benthic foraminiferal assemblages from coastal West Antarctica. *Marine Micropaleontology*, **2016**, 124, 1-15	1.7	14
112	Widespread collapse of the Ross Ice Shelf during the late Holocene. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2354-9	11.5	76
111	Latitudinal variation in glacial erosion rates from Patagonia and the Antarctic Peninsula (46°S-65°S). *Bulletin of the Geological Society of America*, **2016**, 128, 1000-1023	3.9	15
110	Recycling sediments between source and sink during a eustatic cycle: Systems of late Quaternary northwestern Gulf of Mexico Basin. *Earth-Science Reviews*, **2016**, 153, 111-138	10.2	63
109	Past ice-sheet behaviour: retreat scenarios and changing controls in the Ross Sea, Antarctica. *Cryosphere*, **2016**, 10, 1003-1020	5.5	68
108	Diatom assemblages from coastal settings of West Antarctica. *Marine Micropaleontology*, **2016**, 125, 95-109	1.7	8
107	Marine record of Holocene climate, ocean, and cryosphere interactions: Herbert Sound, James Ross Island, Antarctica. *Quaternary Science Reviews*, **2015**, 129, 239-259	3.9	26
106	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. *Quaternary Science Reviews*, **2014**, 100, 1-9	3.9	193
105	Airborne radar sounding evidence for deformable sediments and outcropping bedrock beneath Thwaites Glacier, West Antarctica. *Geophysical Research Letters*, **2014**, 41, 7200-7208	4.9	31
104	Meltwater intensive glacial retreat in polar environments and investigation of associated sediments: example from Pine Island Bay, West Antarctica. *Quaternary Science Reviews*, **2014**, 85, 99-118	3.9	30
103	Reconstruction of ice-sheet changes in the Antarctic Peninsula since the Last Glacial Maximum. *Quaternary Science Reviews*, **2014**, 100, 87-110	3.9	107
102	Reconstruction of changes in the Weddell Sea sector of the Antarctic Ice Sheet since the Last Glacial Maximum. *Quaternary Science Reviews*, **2014**, 100, 111-136	3.9	70
101	Variable response of coastal environments of the northwestern Gulf of Mexico to sea-level rise and climate change: Implications for future change. *Marine Geology*, **2014**, 352, 348-366	3.3	62

100	Late Holocene climate change recorded in proxy records from a Bransfield Basin sediment core, Antarctic Peninsula. *Polar Research*, **2014**, 33, 17236	2	11
99	Size, shape and spatial arrangement of mega-scale glacial lineations from a large and diverse dataset. *Earth Surface Processes and Landforms*, **2014**, 39, n/a-n/a	3.7	39
98	Palaeohurricane reconstructions from sedimentary archives along the Gulf of Mexico, Caribbean Sea and western North Atlantic Ocean margins. *Geological Society Special Publication*, **2014**, 388, 481-501	1.7	27
97	Ross Sea paleo-ice sheet drainage and deglacial history during and since the LGM. *Quaternary Science Reviews*, **2014**, 100, 31-54	3.9	116
96	Reconstruction of changes in the Amundsen Sea and Bellingshausen Sea sector of the West Antarctic Ice Sheet since the Last Glacial Maximum. *Quaternary Science Reviews*, **2014**, 100, 55-86	3.9	68
95	Quantifying rates of coastal subsidence since the last interglacial and the role of sediment loading. *Global and Planetary Change*, **2013**, 111, 296-308	4.2	27
94	Cenozoic Glacial History of the Northern Antarctic Peninsula: A Micromorphological Investigation of Quartz Sand Grains. *Special Publications*, **2013**, 153-165		4
93	Modern rates of glacial sediment accumulation along a 15°S-N transect in fjords from the Antarctic Peninsula to southern Chile. *Journal of Geophysical Research F: Earth Surface*, **2013**, 118, 2072-2088	3.8	30
92	Constraints on Antarctic Ice Sheet configuration during and following the Last Glacial Maximum and its episodic contribution to sea-level rise. *Geological Society Special Publication*, **2013**, 381, 215-232	1.7	3
91	History of an Evolving Ice Sheet as Recorded in SHALDRIL Cores from the Northwestern Weddell Sea, Antarctica. *Special Publications*, **2013**, 131-151		2
90	Vegetation and Organic-Walled Phytoplankton at the End of the Antarctic Greenhouse World: Latest Eocene Cooling Events. *Special Publications*, **2013**, 193-210		4
89	Last Remnants of Cenozoic Vegetation and Organic-Walled Phytoplankton in the Antarctic Peninsula's Icehouse World. *Special Publications*, **2013**, 167-192		4
88	Evolution of the West Antarctic Ice Sheet. *Antarctic Research Series*, **2013**, 45-57		13
87	Seismic Record of Glacial Events Affecting the Pacific Margin of the Northwestern Antarctic Peninsula. *Antarctic Research Series*, **2013**, 75-95		6
86	Seismic Record of Late Oligocene Through Miocene Glaciation on the Central and Eastern Continental Shelf of the Ross Sea. *Antarctic Research Series*, **2013**, 235-260		13
85	Seismic Facies Investigation of the Late Quarternary Glacial History of Bransfield Basin, Antarctica. *Antarctic Research Series*, **2013**, 123-140		7
84	Cenozoic Glacial History of the Ross Sea Revealed by Intermediate Resolution Seismic Reflection Data Combined with Drill Site Information. *Antarctic Research Series*, **2013**, 231-264		56
83	Ice sheet retreat dynamics inferred from glacial morphology of the central Pine Island Bay Trough, West Antarctica. *Quaternary Science Reviews*, **2012**, 38, 1-10	3.9	88

82	Post-LGM deglaciation in Pine Island Bay, West Antarctica. *Quaternary Science Reviews*, **2012**, 38, 11-26	3.9	63
81	LGM ice sheet extent in the Weddell Sea: evidence for diachronous behavior of Antarctic Ice Sheets. *Quaternary Science Reviews*, **2012**, 48, 20-31	3.9	25
80	An ikaite record of late Holocene climate at the Antarctic Peninsula. *Earth and Planetary Science Letters*, **2012**, 325-326, 108-115	5.3	29
79	Holocene oceanographic and glacial changes recorded in Maxwell Bay, West Antarctica. *Marine Geology*, **2012**, 326-328, 67-79	3.3	16
78	Timescale dependence of glacial erosion rates: A case study of Marinelli Glacier, Cordillera Darwin, southern Patagonia. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		30
77	The marine record of deglaciation of the South Shetland Islands, Antarctica since the Last Glacial Maximum. *Quaternary Science Reviews*, **2011**, 30, 1583-1601	3.9	47
76	Progressive Cenozoic cooling and the demise of Antarctica's last refugium. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 11356-60	11.5	86
75	Geological record of ice shelf break-up and grounding line retreat, Pine Island Bay, West Antarctica. *Geology*, **2011**, 39, 691-694	5	106
74	Evidence of similar probablility of intense hurricane strikes for the Gulf of Mexico over the late Holocene. *Geology*, **2010**, 38, 511-514	5	40
73	Transgressive Ravinement versus Depth of Closure: A Geological Perspective from the Upper Texas Coast. *Journal of Coastal Research*, **2010**, 26, 1057-1067	0.6	27
72	Pore fluid modeling approach to identify recent meltwater signals on the west Antarctic Peninsula. *Geochemistry, Geophysics, Geosystems*, **2010**, 11, n/a-n/a	3.6	4
71	Comment on Shaw J., Pugin, A. and Young, R. (2008): A meltwater origin for Antarctic shelf bedforms with special attention to megalineations. Geomorphology 102, 364–375. *Geomorphology* , **2010**, 117, 195-198	4.3	14
70	Bay-head deltas across the northern Gulf of Mexico back step in response to the 8.2ka cooling event. *Quaternary Science Reviews*, **2010**, 29, 3983-3993	3.9	52
69	Holocene foraminiferal assemblages from Firth of Tay, Antarctic Peninsula: Paleoclimate implications. *Marine Micropaleontology*, **2009**, 73, 135-147	1.7	29
68	Revisiting marine isotope stage 3 and 5a (MIS3–5a) sea levels within the northwestern Gulf of Mexico. *Global and Planetary Change*, **2009**, 66, 100-111	4.2	28
67	Holocene climate and glacial history of the northeastern Antarctic Peninsula: the marine sedimentary record from a long SHALDRIL core. *Quaternary Science Reviews*, **2009**, 28, 3049-3065	3.9	44
66	Natural versus anthropogenic mechanisms of erosion along the upper Texas coast **2009**,		7
65	The influence of valley aggradation and listric normal faulting on styles of river avulsion: A case study of the Brazos River, Texas, USA. *Geomorphology*, **2008**, 95, 429-448	4.3	31

64	The Holocene evolution of the Matagorda and Lavaca estuary complex, Texas, USA **2008**, 105-119		6
63	A new composite Holocene sea-level curve for the northern Gulf of Mexico **2008**, 1-11		27
62	Mechanisms controlling environmental change within an estuary: Corpus Christi Bay, Texas, USA **2008**, 121-146		8
61	Holocene climate change in the Bransfield Basin, Antarctic Peninsula: evidence from sediment and diatom analysis. *Antarctic Science*, **2008**, 20, 69-87	1.7	48
60	Geomorphology of the onset area of a paleo-ice stream, Marguerite Bay, Antarctic Peninsula. *Earth Surface Processes and Landforms*, **2008**, 33, 503-512	3.7	63
59	New insights on the post-rift seismic stratigraphic architecture and sedimentary evolution of the Antarctic Peninsula margin (Central Bransfield Basin). *Marine Geology*, **2008**, 251, 167-182	3.3	13
58	Climate change. Ice sheet stability and sea-level rise. *Science*, **2007**, 315, 1803-4	33.3	9
57	Sea-level history of the Gulf of Mexico since the Last Glacial Maximum with implications for the melting history of the Laurentide Ice Sheet. *Quaternary Science Reviews*, **2007**, 26, 920-940	3.9	57
56	Radiocarbon constraints on Antarctic Peninsula Ice Sheet retreat following the Last Glacial Maximum (LGM). *Quaternary Science Reviews*, **2007**, 26, 3286-3297	3.9	105
55	Barrier-island aggradation via inlet migration: Mustang Island, Texas. *Sedimentary Geology*, **2006**, 187, 105-125	2.8	49
54	Expansion and rapid retreat of the West Antarctic Ice Sheet in eastern Ross Sea: possible consequence of over-extended ice streams?. *Quaternary Science Reviews*, **2006**, 25, 2177-2196	3.9	140
53	Extent and dynamics of the West Antarctic Ice Sheet on the outer continental shelf of Pine Island Bay during the last glaciation. *Marine Geology*, **2006**, 230, 53-72	3.3	96
52	Ice-sheet extent of the Antarctic Peninsula region during the Last Glacial Maximum (LGM)Insights from glacial geomorphology. *Bulletin of the Geological Society of America*, **2005**, 117, 1497	3.9	137
51	Contourite origin for shelf and upper slope sand sheet, offshore Antarctica. *Sedimentology*, **2004**, 51, 699-711	3.3	16
50	LATE QUATERNARY STRATIGRAPHIC EVOLUTION OF THE NORTHERN GULF OF MEXICO MARGIN: A SYNTHESIS **2004**, 1-23		32
49	THE LATE QUATERNARY BRAZOS AND COLORADO DELTAS, OFFSHORE TEXAS, U.S.A.THEIR EVOLUTION AND THE FACTORS THAT CONTROLLED THEIR DEPOSITION **2004**, 237-269		10
48	LATE QUATERNARY EVOLUTION OF THE WAVESTORM-DOMINATED CENTRAL TEXAS SHELF **2004**, 271-287		6
47	LATE QUATERNARY EVOLUTION OF THE RIO GRANDE DELTA: COMPLEX RESPONSE TO EUSTASY AND CLIMATE CHANGE **2004**, 289-306		6

46	Evidence for abundant subglacial meltwater beneath the paleo-ice sheet in Pine Island Bay, Antarctica. *Journal of Glaciology*, **2003**, 49, 125-138	3.4	122
45	Retreat signature of a polar ice stream: sub-glacial geomorphic features and sediments from the Ross Sea, Antarctica. *Geological Society Special Publication*, **2002**, 203, 277-304	1.7	29
44	The Antarctic Ice Sheet during the Last Glacial Maximum and its subsequent retreat history: a review. *Quaternary Science Reviews*, **2002**, 21, 49-70	3.9	355
43	Reconstruction of the West Antarctic ice sheet in Pine Island Bay during the Last Glacial Maximum and its subsequent retreat history. *Quaternary Science Reviews*, **2002**, 21, 1879-1897	3.9	167
42	Variations in shoreface progradation and ravinement along the Texas coast, Gulf of Mexico. *Sedimentology*, **2001**, 48, 837-853	3.3	64
41	Footprint of the Expanded West Antarctic Ice Sheet: Ice Stream History and Behavior. *GSA Today*, **2001**, 11, 4	2.8	37
40	Identification of a 15 m Wisconsin shoreline on the Texas inner continental shelf. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2000**, 158, 25-43	2.9	35
39	Relative temporal stability of the Antarctic ice sheets during the late Neogene based on the minimum frequency of outer shelf grounding events. *Earth and Planetary Science Letters*, **2000**, 182, 259-272	5.3	40
38	Radiocarbon constraints on ice sheet advance and retreat in the Weddell Sea, Antarctica. *Geology*, **1999**, 27, 179	5	45
37	Late Pleistocene–Holocene retreat of the West Antarctic Ice-Sheet system in the Ross Sea: Part 2—Sedimentologic and stratigraphic signature. *Bulletin of the Geological Society of America*, **1999**, 111, 1517	3.9	222
36	SEDIMENTARY FACIES AND GENESIS OF HOLOCENE SAND BANKS ON THE EAST TEXAS INNER CONTINENTAL SHELF **1999**, 165-178		6
35	Glacial and marine geological evidence for the ice sheet configuration in the Weddell Sea–Antarctic Peninsula region during the Last Glacial Maximum. *Antarctic Science*, **1998**, 10, 309-325	1.7	111
34	Seismic facies changes along a nearly continuous 24°latitudinal transect: the fjords of Chile and the northern Antarctic Peninsula. *Marine Geology*, **1997**, 143, 103-123	3.3	39
33	Grounding Zone Wedges on the Antarctic Continental Shelf, Ross Sea **1997**, 104-105		3
32	Glaciomarine Deposits on the Continental Shelf of Ross Sea, Antarctica **1997**, 110-113		3
31	Glacial Unconformities on the Antarctic Continental Margin, an Example from the Antarctic Peninsula **1997**, 43-45		
30	A Late Glacial Readvance Moraine in the Central Chilean Fjords **1997**, 94-95		
29	Seismic stratigraphy of McMurdo Sound, Antarctica: implications for glacially influenced early Cenozoic eustatic change?. *Marine Geology*, **1996**, 130, 79-98	3.3	26

28	Sea-Level Controls on the Facies Architecture of the Trinity/Sabine Incised-Valley System, Texas Continental Shelf **1994**,		36
27	Late Quaternary glacial history of the northern Antarctic Peninsula's western continental shelf: Evidence from the marine record. *Antarctic Research Series*, **1992**, 63-91		51
26	Pliocene-pleistocene seismic stratigraphy of the Ross Sea: Evidence for multiple ice sheet grounding episodes. *Antarctic Research Series*, **1992**, 93-103		35
25	Evidence for a grounded ice sheet on the Ross Sea continental shelf during the Late Pleistocene and preliminary paleodrainage reconstruction. *Antarctic Research Series*, **1992**, 39-62		57
24	Marine ice-sheet decoupling as a mechanism for rapid, episodic sea-level change: the record of such events and their influence on sedimentation. *Sedimentary Geology*, **1991**, 70, 87-104	2.8	44
23	Sedimentary facies associated with Antarctica floating ice masses. *Special Paper of the Geological Society of America*, **1991**, 1-26		30
22	Late Quaternary Glacial History of the South Orkney Plateau, Antarctica. *Quaternary Research*, **1990** , 33, 265-275	1.9	23
21	Geology and hydrocarbon potential of the Antarctic continental margin. *Antarctic Research Series*, **1990**, 175-201		1
20	Glacial-Marine Sedimentation and Quaternary Glacial History of Marguerite Bay, Antarctic Peninsula. *Quaternary Research*, **1989**, 31, 255-276	1.9	59
19	Climatic control of sedimentation in bays and fjords of the northern Antarctic Peninsula. *Marine Geology*, **1989**, 85, 181-204	3.3	108
18	Suspended sediment transport, sedimentation, and resuspension in Lake Houston, Texas: Implications for water quality. *Environmental Geology (New York)*, **1987**, 10, 175-186		2
17	Paleoceanographic implications of terrigenous deposits on the Maurice Ewing Bank, southwest Atlantic Ocean. *Marine Geology*, **1986**, 71, 259-287	3.3	7
16	Weddell Fan and associated abyssal plain, Antarctica: Morphology, sediment processes, and factors influencing sediment supply. *Geo-Marine Letters*, **1986**, 6, 121-129	1.9	27
15	Oceanographic influences on sedimentation along the Antarctic continental shelf. *Antarctic Research Series*, **1985**, 291-312		71
14	The use of silt grain size parameters as a paleovelocity gauge: A critical review and case study. *Geo-Marine Letters*, **1985**, 5, 55-59	1.9	14
13	Sedimentation on the Ross Sea continental shelf, Antarctica. *Marine Geology*, **1984**, 57, 295-333	3.3	126
12	Use of total grain-size distributions to define bed erosion and transport for poorly sorted sediment undergoing simulated bioturbation. *Marine Geology*, **1984**, 57, 335-359	3.3	44
11	The bathymetry of the North Victoria Land continental margin. *Marine Geodesy*, **1983**, 6, 139-147	1.2	7

10	Development of a Polar Glacial-Marine Sedimentation Model from Antarctic Quaternary Deposits and Glaciological Information **1983**, 233-264		38
9	Distribution and Association of Sediment Gravity Flow Deposits and Glacial/Glacial-Marine Sediments Around the Continental Margin of Antarctica **1983**, 265-300		17
8	The importance of sediment gravity flow to sediment transport and sorting in a glacial marine environment: Eastern Weddell Sea, Antarctica. *Bulletin of the Geological Society of America*, **1982**, 93, 951	3.9	80
7	Lower Cretaceous sediment from the East Antarctic continental shelf. *Nature*, **1980**, 287, 625-626	50.4	35
6	Observations of Sediment Laden Icebergs in Antarctic Waters: Implications to Glacial Erosion and Transport. *Journal of Glaciology*, **1980**, 25, 387-396	3.4	53
5	Observations of Sediment Laden Icebergs in Antarctic Waters: Implications to Glacial Erosion and Transport. *Journal of Glaciology*, **1980**, 25, 387-396	3.4	4
4	SEDIMENTATION ON THE ANTARCTIC CONTINENTAL SLOPE **1979**, 265-283		15
3	Geologic assessment of environmental impact in Lake Macatawa, Michigan. *Environmental Geology*, **1978**, 2, 67-78		5
2	Factors controlling CaCO3 dissolution in the Weddell Sea from foraminiferal distribution patterns. *Marine Geology*, **1975**, 19, 315-332	3.3	57
1	Nearshore Glacial-Marine Deposition from Modern Sediments of the Weddell Sea. *Nature: Physical Science*, **1972**, 240, 189-192		19