

# Alexander R Simms

## List of Publications by Year in descending order

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62  
papers

2,008  
citations

236925

25  
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254184

43  
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62  
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62  
docs citations

62  
times ranked

2457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the roles of relative sea-level change and glacio-isostatic adjustment on the retreat of a marine based ice stream in NW Scotland. <i>Quaternary Science Reviews</i> , 2022, 277, 107366.	3.0	3
2	A model for the growth and development of wave-dominated deltas fed by small mountainous rivers: Insights from the Elwha River delta, Washington. <i>Sedimentology</i> , 2020, 67, 2310-2331.	3.1	7
3	Why estimates of deglacial ice loss should be biased low. <i>Earth and Planetary Science Letters</i> , 2019, 515, 112-124.	4.4	1
4	“Petit Spot” Rejuvenated Volcanism Superimposed on Plume-Derived Samoan Shield Volcanoes: Evidence From a 645m Drill Core From Tutuila Island, American Samoa. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1485-1507.	2.5	19
5	Balancing the last glacial maximum (LGM) sea-level budget. <i>Quaternary Science Reviews</i> , 2019, 205, 143-153.	3.0	45
6	Holocene vegetation and climate evolution of Corpus Christi and Trinity bays: Implications on coastal Texas source-to-sink deposition. <i>Geobios</i> , 2018, 51, 123-135.	1.4	8
7	MIS 5e relative sea-level changes in the Mediterranean Sea: Contribution of isostatic disequilibrium. <i>Quaternary Science Reviews</i> , 2018, 185, 122-134.	3.0	44
8	Coastal flooding and the 1861-2 California storm season. <i>Marine Geology</i> , 2018, 400, 49-59.	2.1	11
9	Hyperpycnal delivery of sand to the continental shelf: Insights from the Jurassic Lajas Formation, Neuquén Basin, Argentina. <i>Sedimentology</i> , 2018, 65, 2149-2170.	3.1	29
10	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. <i>Holocene</i> , 2018, 28, 166-172.	1.7	7
11	Late Holocene relative sea levels near Palmer Station, northern Antarctic Peninsula, strongly controlled by late Holocene ice-mass changes. <i>Quaternary Science Reviews</i> , 2018, 199, 49-59.	3.0	15
12	Bayhead deltas and shorelines: Insights from modern and ancient examples. <i>Sedimentary Geology</i> , 2018, 374, 17-35.	2.1	25
13	Coastal erosion and recovery from a Cascadia subduction zone earthquake and tsunami. <i>Marine Geology</i> , 2017, 392, 30-40.	2.1	13
14	A Holocene Record of Flux of Alluvial Sediment Related To Climate: Case Studies From the Northern Gulf of Mexico. <i>Journal of Sedimentary Research</i> , 2017, 87, 780-794.	1.6	3
15	The role of buoyancy reversal in turbidite deposition and submarine fan geometry. <i>Geology</i> , 2017, 45, 35-38.	4.4	24
16	Episodic flooding of estuarine environments in response to drying climate over the last 6000 years in Baffin Bay, Texas. <i>Marine Geology</i> , 2016, 381, 142-162.	2.1	5
17	Investigation of optically stimulated luminescence behavior of quartz from crystalline rock surfaces: A look forward. <i>Quaternary Geochronology</i> , 2016, 36, 161-173.	1.4	20
18	Tectonic Subsidence of California Estuaries Increases Forecasts of Relative Sea-Level Rise. <i>Estuaries and Coasts</i> , 2016, 39, 1571-1581.	2.2	14

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19	Highstand shelf fans: The role of buoyancy reversal in the deposition of a new type of shelf sand body. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1717-1724.	3.3	46
20	Drought modulated by North Atlantic sea surface temperatures for the last 3,000 years along the northwestern Gulf of Mexico. <i>Quaternary Science Reviews</i> , 2016, 135, 54-64.	3.0	10
21	Geomorphic and sedimentary responses of the Bull Creek Valley (Southern High Plains, USA) to Pleistocene and Holocene environmental change. <i>Quaternary Research</i> , 2016, 85, 118-132.	1.7	4
22	Recycling sediments between source and sink during a eustatic cycle: Systems of late Quaternary northwestern Gulf of Mexico Basin. <i>Earth-Science Reviews</i> , 2016, 153, 111-138.	9.1	94
23	Assessing the link between coastal morphology, wave energy and sea ice throughout the Holocene from Antarctic raised beaches. <i>Journal of Quaternary Science</i> , 2015, 30, 335-348.	2.1	14
24	Marine Radiocarbon Reservoir Values in Southern California Estuaries: Interspecies, Latitudinal, and Interannual Variability. <i>Radiocarbon</i> , 2015, 57, 449-458.	1.8	25
25	Prehistoric fires and the shaping of colonial transported landscapes in southern California: A paleoenvironmental study at Dune Pond, Santa Barbara County. <i>Quaternary Science Reviews</i> , 2015, 112, 181-196.	3.0	30
26	Late Quaternary relative sea level in Southern California and Monterey Bay. <i>Quaternary Science Reviews</i> , 2015, 126, 57-66.	3.0	41
27	The Influence of Valley Morphology On the Rate of Bayhead Delta Progradation. <i>Journal of Sedimentary Research</i> , 2014, 85, 38-44.	1.6	19
28	Quantifying the distribution of nanodiamonds in pre-Younger Dryas to recent age deposits along Bull Creek, Oklahoma Panhandle, USA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1726-1731.	7.1	23
29	Estuarine foraminifera record Holocene stratigraphic changes and Holocene climate changes in ENSO and the North American monsoon: Baffin Bay, Texas. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 404, 44-56.	2.3	13
30	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 1-9.	3.0	228
31	Reconstruction of ice-sheet changes in the Antarctic Peninsula since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 87-110.	3.0	129
32	Variable response of coastal environments of the northwestern Gulf of Mexico to sea-level rise and climate change: Implications for future change. <i>Marine Geology</i> , 2014, 352, 348-366.	2.1	86
33	Where do coastlines stabilize following rapid retreat?. <i>Geophysical Research Letters</i> , 2014, 41, 1698-1703.	4.0	16
34	Quantifying rates of coastal subsidence since the last interglacial and the role of sediment loading. <i>Global and Planetary Change</i> , 2013, 111, 296-308.	3.5	34
35	Fourier Grain-Shape Analysis of Antarctic Marine Core: The Relative Influence of Provenance and Glacial Activity On Grain Shape. <i>Journal of Sedimentary Research</i> , 2013, 83, 80-90.	1.6	4
36	Relative sea-level history of Marguerite Bay, Antarctic Peninsula derived from optically stimulated luminescence-dated beach cobbles. <i>Quaternary Science Reviews</i> , 2013, 77, 141-155.	3.0	31

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37	Holocene sea-level change derived from microbial mats. <i>Geology</i> , 2013, 41, 971-974.	4.4	19
38	Hyperpycnal plume-derived fans in the Santa Barbara Channel, California. <i>Geophysical Research Letters</i> , 2013, 40, 2081-2086.	4.0	29
39	Constraints on Antarctic Ice Sheet configuration during and following the Last Glacial Maximum and its episodic contribution to sea-level rise. <i>Geological Society Special Publication</i> , 2013, 381, 215-232.	1.3	3
40	Ultrashallow depth imaging of a channel stratigraphy with first-arrival traveltime inversion and prestack depth migration: A case history from Bull Creek, Oklahoma. <i>Geophysics</i> , 2012, 77, B87-B96.	2.6	7
41	Timing of the most recent Neoglacial advance and retreat in the South Shetland Islands, Antarctic Peninsula: insights from raised beaches and Holocene uplift rates. <i>Quaternary Science Reviews</i> , 2012, 47, 41-55.	3.0	65
42	Correlation of early and mid-Holocene events using magnetic susceptibility in estuarine cores from bays along the northwestern Gulf of Mexico. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 346-347, 95-107.	2.3	11
43	Paleoseismicity of the Southern End of the Cascadia Subduction Zone, Northwestern California. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1059-1078.	2.3	15
44	Sedimentology of An Erg To An Erg-Margin Depositional System, the Rush Springs Sandstone of Western Oklahoma, U.S.A.: Implications for Paleowinds Across Northwestern Pangea During the Guadalupian (Middle Permian). <i>Journal of Sedimentary Research</i> , 2012, 82, 345-363.	1.6	7
45	The marine record of deglaciation of the South Shetland Islands, Antarctica since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2011, 30, 1583-1601.	3.0	62
46	A new approach to reconstructing sea levels in Antarctica using optically stimulated luminescence of cobble surfaces. <i>Quaternary Geochronology</i> , 2011, 6, 50-60.	1.4	71
47	The importance of sea-level and climate change, including changing wind energy, on the evolution of a coastal estuary: Copano Bay, Texas. <i>Marine Geology</i> , 2011, 280, 1-19.	2.1	36
48	Progressive Cenozoic cooling and the demise of Antarctica's last refugium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11356-11360.	7.1	106
49	Correction for Anderson et al., Progressive Cenozoic cooling and the demise of Antarctica's last refugium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16481-16481.	7.1	2
50	The incised valley of Baffin Bay, Texas: a tale of two climates. <i>Sedimentology</i> , 2010, 57, 642-669.	3.1	46
51	Bay-head deltas across the northern Gulf of Mexico back step in response to the 8.2ka cooling event. <i>Quaternary Science Reviews</i> , 2010, 29, 3983-3993.	3.0	55
52	Revisiting marine isotope stage 3 and 5a (MIS3-5a) sea levels within the northwestern Gulf of Mexico. <i>Global and Planetary Change</i> , 2009, 66, 100-111.	3.5	31
53	Insights on a Proposed Mid-Holocene Highstand Along the Northwestern Gulf of Mexico from the Evolution of Small Coastal Ponds. <i>Journal of Sedimentary Research</i> , 2009, 79, 757-772.	1.6	17
54	Mechanisms controlling environmental change within an estuary: Corpus Christi Bay, Texas, USA. , 2008, , 121-146.		11

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55	Response of Mobile Bay and eastern Mississippi Sound, Alabama, to changes in sediment accommodation and accumulation. , 2008, , 13-29.		8
56	Geomorphology and age of the Oxygen isotope stage 2 (last lowstand) sequence boundary on the northwestern Gulf of Mexico continental shelf. Geological Society Special Publication, 2007, 277, 29-46.	1.3	18
57	Control of Upstream Variables on Incised-Valley Dimension. Journal of Sedimentary Research, 2007, 77, 213-224.	1.6	39
58	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.	3.0	63
59	Barrier-island aggradation via inlet migration: Mustang Island, Texas. Sedimentary Geology, 2006, 187, 105-125.	2.1	58
60	Terrace Inundation as an Autocyclic Mechanism for Parasequence Formation: Galveston Estuary, Texas, U.S.A.. Journal of Sedimentary Research, 2005, 75, 608-620.	1.6	73
61	History of an Evolving Ice Sheet as Recorded in SHALDRIL Cores from the Northwestern Weddell Sea, Antarctica. Special Publications, 0, , 131-151.	0.0	6
62	Marine terraces and rates of vertical tectonic motion: The importance of glacio-isostatic adjustment along the Pacific coast of central North America. Bulletin of the Geological Society of America, 0, , B31299.1.	3.3	10