

# T E Trnqvist

## List of Publications by Citations

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37  
papers

1,554  
citations

25  
h-index

39  
g-index

42  
ext. papers

1,911  
ext. citations

8.4  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
37	Spatial variability of late Holocene and 20th century sea-level rise along the Atlantic coast of the United States. <i>Geology</i> , <b>2009</b> , 37, 1115-1118	5	140
36	Vulnerability of Louisiana's coastal wetlands to present-day rates of relative sea-level rise. <i>Nature Communications</i> , <b>2017</b> , 8, 14792	17.4	137
35	Links between early Holocene ice-sheet decay, sea-level rise and abrupt climate change. <i>Nature Geoscience</i> , <b>2012</b> , 5, 601-606	18.3	126
34	Global-scale human impact on delta morphology has led to net land area gain. <i>Nature</i> , <b>2020</b> , 577, 514-518	50.4	117
33	Episodic overbank deposition as a dominant mechanism of floodplain and delta-plain aggradation. <i>Geology</i> , <b>2015</b> , 43, 875-878	5	98
32	Anatomy of Mississippi Delta growth and its implications for coastal restoration. <i>Science Advances</i> , <b>2018</b> , 4, eaar4740	14.3	68
31	High-resolution numerical modeling of tides in the western Atlantic, Gulf of Mexico, and Caribbean Sea during the Holocene. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		61
30	A new Late Holocene sea-level record from the Mississippi Delta: evidence for a climate/sea level connection?. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 1737-1749	3.9	54
29	Connecting the backwater hydraulics of coastal rivers to fluvio-deltaic sedimentology and stratigraphy. <i>Geology</i> , <b>2016</b> , 44, 979-982	5	52
28	Synchronizing a sea-level jump, final Lake Agassiz drainage, and abrupt cooling 8200years ago. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 315-316, 41-50	5.3	48
27	Quantifying Holocene lithospheric subsidence rates underneath the Mississippi Delta. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 331-332, 21-30	5.3	47
26	Understanding subsidence in the Mississippi Delta region due to sediment, ice, and ocean loading: Insights from geophysical modeling. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 3838-3856	3.6	46
25	Inception of a global atlas of sea levels since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , <b>2019</b> , 220, 359-371	3.9	44
24	Crevasse Splays Versus Avulsions: A Recipe for Land Building With Levee Breaches. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4058-4067	4.9	43
23	The contribution of glacial isostatic adjustment to projections of sea-level change along the Atlantic and Gulf coasts of North America. <i>Earth's Future</i> , <b>2016</b> , 4, 440-464	7.9	42
22	Rapid and widespread response of the Lower Mississippi River to eustatic forcing during the last glacial-interglacial cycle. <i>Bulletin of the Geological Society of America</i> , <b>2012</b> , 124, 690-704	3.9	42
21	Future Change to Tide-Influenced Deltas. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3499-3507	4.9	41

20	Tipping points of Mississippi Delta marshes due to accelerated sea-level rise. <i>Science Advances</i> , <b>2020</b> , 6, eaaz5512	14.3	37
19	Conditioning a Process-Based Model of Sedimentary Architecture to Well Data. <i>Journal of Sedimentary Research</i> , <b>2001</b> , 71, 868-879	2.1	33
18	Late Holocene evolution of a coupled, mud-dominated delta plain–chenier plain system, coastal Louisiana, USA. <i>Earth Surface Dynamics</i> , <b>2017</b> , 5, 689-710	3.8	28
17	Efficient retention of mud drives land building on the Mississippi Delta plain. <i>Earth Surface Dynamics</i> , <b>2017</b> , 5, 387-397	3.8	26
16	The sea-level conundrum: case studies from palaeo-archives. <i>Journal of Quaternary Science</i> , <b>2010</b> , 25, 19-25	2.3	26
15	Measuring rates of present-day relative sea-level rise in low-elevation coastal zones: a critical evaluation. <i>Ocean Science</i> , <b>2019</b> , 15, 61-73	4	25
14	Did the last sea level lowstand always lead to cross-shelf valley formation and source-to-sink sediment flux?. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		25
13	Measuring, modelling and projecting coastal land subsidence. <i>Nature Reviews Earth &amp; Environment</i> , <b>2021</b> , 2, 40-58	30.2	25
12	Palaeo-sea-level and palaeo-ice-sheet databases: problems, strategies, and perspectives. <i>Climate of the Past</i> , <b>2016</b> , 12, 911-921	3.9	22
11	Mechanisms of late Quaternary fault throw-rate variability along the north central Gulf of Mexico coast: implications for coastal subsidence. <i>Basin Research</i> , <b>2017</b> , 29, 557-570	3.2	14
10	Investigating the impact of Lake Agassiz drainage routes on the 8.2 ka cold event with a climate model. <i>Climate of the Past</i> , <b>2009</b> , 5, 471-480	3.9	10
9	Short organic carbon turnover time and narrow 14C age spectra in early Holocene wetland paleosols. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 142-155	3.6	9
8	Coastal Wetland Resilience, Accelerated Sea-Level Rise, and the Importance of Timescale. <i>AGU Advances</i> , <b>2021</b> , 2, e2020AV000334	5.4	8
7	A Dutch geoscience perspective on the Katrina disaster. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , <b>2007</b> , 86, 307-315	1.1	5
6	Causes of River Avulsion: Insights from the Late Holocene Avulsion History of the Mississippi River, U.S.A.–Discussion. <i>Journal of Sedimentary Research</i> , <b>2006</b> , 76, 959-959	2.1	3
5	Organic Matter Accretion, Shallow Subsidence, and River Delta Sustainability. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2021</b> , 126, e2021JF006231	3.8	3
4	Does Load-Induced Shallow Subsidence Inhibit Delta Growth?. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2021</b> , 126, e2021JF006153	3.8	3
3	Global coastal wetland expansion under accelerated sea-level rise is unlikely		2

2 Engineered Continental-Scale Rivers Can Drive Changes in the Carbon Cycle. *AGU Advances*, **2021**, 2, e2020AV000273

1 Rapid and widespread response of the Lower Mississippi River to eustatic forcing during the last glacial-interglacial cycle: Reply. *Bulletin of the Geological Society of America*, **2013**, 125, 1375-1375

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