

Simon E Engelhart

List of Publications by Year in descending order

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66
papers

3,028
citations

147801

31
h-index

175258

52
g-index

74
all docs

74
docs citations

74
times ranked

2737
citing authors

#	ARTICLE	IF	CITATIONS
1	Expert assessment of sea-level rise by AD 2100 and AD 2300. <i>Quaternary Science Reviews</i> , 2014, 84, 1-6.	3.0	224
2	Holocene sea level database for the Atlantic coast of the United States. <i>Quaternary Science Reviews</i> , 2012, 54, 12-25.	3.0	172
3	Spatial variability of late Holocene and 20th century sea-level rise along the Atlantic coast of the United States. <i>Geology</i> , 2009, 37, 1115-1118.	4.4	164
4	Drivers of Holocene sea-level change in the Caribbean. <i>Quaternary Science Reviews</i> , 2017, 155, 13-36.	3.0	124
5	Heterogeneous rupture in the great Cascadia earthquake of 1700 inferred from coastal subsidence estimates. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2460-2473.	3.4	100
6	Holocene relative sea-level changes and glacial isostatic adjustment of the U.S. Atlantic coast. <i>Geology</i> , 2011, 39, 751-754.	4.4	99
7	A sea-level database for the Pacific coast of central North America. <i>Quaternary Science Reviews</i> , 2015, 113, 78-92.	3.0	90
8	Inception of a global atlas of sea levels since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2019, 220, 359-371.	3.0	90
9	Microfossils from coastal environments as indicators of paleo-earthquakes, tsunamis and storms. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 413, 144-157.	2.3	87
10	Sea-level change during the last 2500 years in New Jersey, USA. <i>Quaternary Science Reviews</i> , 2013, 81, 90-104.	3.0	84
11	Subsidence along the Atlantic Coast of North America: Insights from GPS and late Holocene relative sea level data. <i>Geophysical Research Letters</i> , 2016, 43, 3126-3133.	4.0	83
12	River-discharge effects on United States Atlantic and Gulf coast sea-level changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7729-7734.	7.1	76
13	Holocene sea-level changes along the North Carolina Coastline and their implications for glacial isostatic adjustment models. <i>Quaternary Science Reviews</i> , 2009, 28, 1725-1736.	3.0	75
14	HOLOCENE SEA-LEVEL CHANGES ALONG THE UNITED STATES' ATLANTIC COAST. <i>Oceanography</i> , 2011, 24, 70-79.	1.0	75
15	Nuisance Flooding and Relative Sea-Level Rise: the Importance of Present-Day Land Motion. <i>Scientific Reports</i> , 2017, 7, 11197.	3.3	64
16	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> , 2016, 4, 440-464.	6.3	58
17	Uplift and subsidence reveal a nonpersistent megathrust rupture boundary (Sitkinak Island, Alaska). <i>Geophysical Research Letters</i> , 2014, 41, 2289-2296.	4.0	56
18	Mangrove pollen of Indonesia and its suitability as a sea-level indicator. <i>Marine Geology</i> , 2007, 242, 65-81.	2.1	54

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19	Quantitative vertical zonation of salt-marsh foraminifera for reconstructing former sea level; an example from New Jersey, USA.. Quaternary Science Reviews, 2012, 54, 26-39.	3.0	50
20	Estimating global mean sea-level rise and its uncertainties by 2100 and 2300 from an expert survey. Npj Climate and Atmospheric Science, 2020, 3, .	6.8	49
21	Influence of tidal range change and sediment compaction on Holocene relative sea level change in New Jersey, USA. Journal of Quaternary Science, 2013, 28, 403-411.	2.1	45
22	A high-resolution study of tides in the Delaware Bay: Past conditions and future scenarios. Geophysical Research Letters, 2013, 40, 338-342.	4.0	45
23	Application of stable carbon isotopes for reconstructing salt-marsh floral zones and relative sea level, New Jersey, USA. Journal of Quaternary Science, 2012, 27, 404-414.	2.1	43
24	Modern foraminifera, $\delta^{13}C$, and bulk geochemistry of central Oregon tidal marshes and their application in paleoseismology. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 377, 13-27.	2.3	43
25	Postglacial relative sea-level histories along the eastern Canadian coastline. Quaternary Science Reviews, 2018, 201, 124-146.	3.0	43
26	Tsunami recurrence in the eastern Alaska-Aleutian arc: A Holocene stratigraphic record from Chirikof Island, Alaska. , 2015, 11, 1172-1203.		42
27	Unusually large tsunamis frequent a currently creeping part of the Aleutian megathrust. Geophysical Research Letters, 2016, 43, 76-84.	4.0	41
28	Testing the use of microfossils to reconstruct great earthquakes at Cascadia. Geology, 2013, 41, 1067-1070.	4.4	40
29	The Role of Holocene Relative Sea-Level Change in Preserving Records of Subduction Zone Earthquakes. Current Climate Change Reports, 2016, 2, 86-100.	8.6	40
30	Reconstructing Common Era relative sea-level change on the Gulf Coast of Florida. Marine Geology, 2017, 390, 254-269.	2.1	39
31	PAH, PCB, TPH and mercury in surface sediments of the Delaware River Estuary and Delmarva Peninsula, USA. Marine Pollution Bulletin, 2018, 129, 835-845.	5.0	39
32	Little late Holocene strain accumulation and release on the Aleutian megathrust below the Shumagin Islands, Alaska. Geophysical Research Letters, 2014, 41, 2359-2367.	4.0	38
33	Diatoms from Indonesian mangroves and their suitability as sea-level indicators for tropical environments. Marine Micropaleontology, 2007, 63, 155-168.	1.2	35
34	Toward an Integrative Geological and Geophysical View of Cascadia Subduction Zone Earthquakes. Annual Review of Earth and Planetary Sciences, 2021, 49, 367-398.	11.0	34
35	Revising Estimates of Spatially Variable Subsidence during the A.D. 1700 Cascadia Earthquake Using a Bayesian Foraminiferal Transfer Function. Bulletin of the Seismological Society of America, 2018, 108, 654-673.	2.3	33
36	Beach ridges as paleoseismic indicators of abrupt coastal subsidence during subduction zone earthquakes, and implications for Alaska-Aleutian subduction zone paleoseismology, southeast coast of the Kenai Peninsula, Alaska. Quaternary Science Reviews, 2015, 113, 147-158.	3.0	32

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37	Differences in coastal subsidence in southern Oregon (USA) during at least six prehistoric megathrust earthquakes. <i>Quaternary Science Reviews</i> , 2016, 142, 143-163.	3.0	31
38	Exploring mechanisms of compaction in salt-marsh sediments using Common Era relative sea-level reconstructions. <i>Quaternary Science Reviews</i> , 2017, 167, 96-111.	3.0	31
39	Accommodation space, relative sea level, and the archiving of paleo-earthquakes along subduction zones. <i>Geology</i> , 2015, 43, 675-678.	4.4	30
40	Variability of intertidal foraminiferal assemblages in a salt marsh, Oregon, USA. <i>Marine Micropaleontology</i> , 2015, 118, 1-16.	1.2	30
41	ANNUAL AND SEASONAL DISTRIBUTION OF INTERTIDAL FORAMINIFERA AND STABLE CARBON ISOTOPE GEOCHEMISTRY, BANDON MARSH, OREGON, USA. <i>Journal of Foraminiferal Research</i> , 2015, 45, 146-155.	0.5	29
42	Estimating tectonic uplift of the Cape Fear Arch (southeastern United States) using reconstructions of Holocene relative sea level. <i>Journal of Quaternary Science</i> , 2014, 29, 749-759.	2.1	26
43	Storm erosion during the past 2000 years along the north shore of Delaware Bay, USA. <i>Geomorphology</i> , 2014, 208, 160-172.	2.6	24
44	Statistical modeling of rates and trends in Holocene relative sea level. <i>Quaternary Science Reviews</i> , 2019, 204, 58-77.	3.0	24
45	Degradation of mangrove tissues by arboreal termites (<i>Nasutitermes acajutlae</i>) and their role in the mangrove C cycle (Puerto Rico): Chemical characterization and organic matter provenance using bulk $\delta^{13}C$, C/N, alkaline CuO oxidation- $\delta^{13}C$ GC/MS, and solid-state $\delta^{13}C$ NMR. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3176-3191.	2.5	23
46	Organic pollutants, heavy metals and toxicity in oil spill impacted salt marsh sediment cores, Staten Island, New York City, USA. <i>Marine Pollution Bulletin</i> , 2020, 151, 110721.	5.0	21
47	Stratigraphic and microfossil evidence for a 4500-year history of Cascadia subduction zone earthquakes and tsunamis at Yaquina River estuary, Oregon, USA. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 211-226.	3.3	19
48	Uncertainties of Glacial Isostatic Adjustment Model Predictions in North America Associated With 3D Structure. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087944.	4.0	19
49	A maximum rupture model for the central and southern Cascadia subduction zone—reassessing ages for coastal evidence of megathrust earthquakes and tsunamis. <i>Quaternary Science Reviews</i> , 2021, 261, 106922.	3.0	19
50	Microfossil measures of rapid sea-level rise: Timing of response of two microfossil groups to a sudden tidal-flooding experiment in Cascadia. <i>Geology</i> , 2017, 45, 535-538.	4.4	16
51	The application of $\delta^{13}C$, TOC and C/N geochemistry of mangrove sediments to reconstruct Holocene paleoenvironments and relative sea levels, Puerto Rico. <i>Marine Geology</i> , 2019, 415, 105963.	2.1	15
52	Evidence for frequent, large tsunamis spanning locked and creeping parts of the Aleutian megathrust. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 707-729.	3.3	15
53	Modern Salt-Marsh and Tidal-Flat Foraminifera From Sitkinak and Simeonof Islands, Southwestern Alaska. <i>Journal of Foraminiferal Research</i> , 2013, 43, 88-98.	0.5	14
54	Testing the Utility of Geochemical Proxies to Reconstruct Holocene Coastal Environments and Relative Sea Level: A Case Study from Hungry Bay, Bermuda. <i>Open Quaternary</i> , 2019, 5, .	1.0	14

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55	Sea-level change and subsidence in the Delaware Estuary during the last \sim 2200 years. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 164, 506-519.	2.1	13
56	Changing impacts of Alaska-Aleutian subduction zone tsunamis in California under future sea-level rise. <i>Nature Communications</i> , 2021, 12, 7119.	12.8	10
57	Geospatial Modeling Suggests Threats from Stormy Seas to Rhode Island's Coastal Septic Systems. <i>Journal of Sustainable Water in the Built Environment</i> , 2020, 6, .	1.6	6
58	Identifying the Greatest Earthquakes of the Past 2000 Years at the Nehalem River Estuary, Northern Oregon Coast, USA. <i>Open Quaternary</i> , 2020, 6, .	1.0	5
59	Salt-Marsh Foraminiferal Distributions from Mainland Northern Georgia, USA: An Assessment of Their Viability for Sea-Level Studies. <i>Open Quaternary</i> , 2020, 6, 6.	1.0	5
60	Timing and amount of southern Cascadia earthquake subsidence over the past 1700 years at northern Humboldt Bay, California, USA. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 2137-2156.	3.3	4
61	Sea-level change from minutes to millennia: first meeting of ICGP Project 639 in Oman. <i>Episodes</i> , 2018, 41, 115-118.	1.2	4
62	Diatoms of the intertidal environments of Willapa Bay, Washington, USA as a sea-level indicator. <i>Marine Micropaleontology</i> , 2021, 167, 102033.	1.2	2
63	Quaternary Reelfoot Fault Deformation in the Obion River Valley, Tennessee, USA. <i>Tectonics</i> , 2021, 40, e2019TC005990.	2.8	2
64	Reply to comment received from J.M. Gregory et al. regarding "Expert assessment of future sea-level rise by 2100 and 2300 AD" by Benjamin P. Horton, Stefan Rahmstorf, Simon E. Engelhart and Andrew C. Kemp (2014), <i>Quaternary Science Reviews</i> 84, 1-6. <i>Quaternary Science Reviews</i> , 2014, 97, 195-196.	3.0	0
65	Correction: Salt-Marsh Foraminiferal Distributions from Mainland Northern Georgia, USA: An Assessment of Their Viability for Sea-Level Studies. <i>Open Quaternary</i> , 2020, 6, .	1.0	0
66	Reproducibility and variability of earthquake subsidence estimates from saltmarshes of a Cascadia estuary. <i>Journal of Quaternary Science</i> , 0, , .	2.1	0