

Li H Erikson

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,086
citations

331670

21
h-index

289244

40
g-index

53
all docs

53
docs citations

53
times ranked

2081
citing authors

#	ARTICLE	IF	CITATIONS
1	Doubling of coastal flooding frequency within decades due to sea-level rise. <i>Scientific Reports</i> , 2017, 7, 1399.	3.3	518
2	Robustness and uncertainties in global multivariate wind-wave climate projections. <i>Nature Climate Change</i> , 2019, 9, 711-718.	18.8	221
3	A model integrating longshore and cross-shore processes for predicting long-term shoreline response to climate change. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 782-806.	2.8	197
4	Development of the Coastal Storm Modeling System (CoSMoS) for predicting the impact of storms on high-energy, active-margin coasts. <i>Natural Hazards</i> , 2014, 74, 1095-1125.	3.4	121
5	Dynamic flood modeling essential to assess the coastal impacts of climate change. <i>Scientific Reports</i> , 2019, 9, 4309.	3.3	109
6	A global classification of coastal flood hazard climates associated with large-scale oceanographic forcing. <i>Scientific Reports</i> , 2017, 7, 5038.	3.3	85
7	Drivers, dynamics and impacts of changing Arctic coasts. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 39-54.	29.7	74
8	A global ensemble of ocean wave climate projections from CMIP5-driven models. <i>Scientific Data</i> , 2020, 7, 105.	5.3	55
9	Changes to extreme wave climates of islands within the Western Tropical Pacific throughout the 21st century under RCP 4.5 and RCP 8.5, with implications for island vulnerability and sustainability. <i>Global and Planetary Change</i> , 2016, 141, 25-38.	3.5	47
10	A Model Ensemble for Projecting Multidecadal Coastal Cliff Retreat During the 21st Century. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 1566-1589.	2.8	46
11	Small-scale sediment transport patterns and bedform morphodynamics: new insights from high-resolution multibeam bathymetry. <i>Geo-Marine Letters</i> , 2011, 31, 227-236.	1.1	36
12	Tidally influenced alongshore circulation at an inlet-adjacent shoreline. <i>Continental Shelf Research</i> , 2013, 56, 26-38.	1.8	36
13	Sediment transport patterns in the San Francisco Bay Coastal System from cross-validation of bedform asymmetry and modeled residual flux. <i>Marine Geology</i> , 2013, 345, 72-95.	2.1	35
14	Multiple climate change-driven tipping points for coastal systems. <i>Scientific Reports</i> , 2021, 11, 15560.	3.3	35
15	The use of modeling and suspended sediment concentration measurements for quantifying net suspended sediment transport through a large tidally dominated inlet. <i>Marine Geology</i> , 2013, 345, 96-112.	2.1	32
16	A Multimodal Wave Spectrum-Based Approach for Statistical Downscaling of Local Wave Climate. <i>Journal of Physical Oceanography</i> , 2017, 47, 375-386.	1.7	32
17	Global-scale changes to extreme ocean wave events due to anthropogenic warming. <i>Environmental Research Letters</i> , 2021, 16, 074056.	5.2	29
18	Projected 21st Century Coastal Flooding in the Southern California Bight. Part 1: Development of the Third Generation CoSMoS Model. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 59.	2.6	27

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19	The Influence of Sea Level Rise on the Regional Interdependence of Coastal Infrastructure. <i>Earth's Future</i> , 2018, 6, 677-688.	6.3	26
20	Storm Surge Propagation and Flooding in Small Tidal Rivers during Events of Mixed Coastal and Fluvial Influence. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 158.	2.6	25
21	Integration of bed characteristics, geochemical tracers, current measurements, and numerical modeling for assessing the provenance of beach sand in the San Francisco Bay Coastal System. <i>Marine Geology</i> , 2013, 345, 181-206.	2.1	24
22	Waves and tides responsible for the intermittent closure of the entrance of a small, sheltered tidal wetland at San Francisco, CA. <i>Continental Shelf Research</i> , 2011, 31, 1682-1687.	1.8	20
23	Projected 21st Century Coastal Flooding in the Southern California Bight. Part 2: Tools for Assessing Climate Change-Driven Coastal Hazards and Socio-Economic Impacts. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 76.	2.6	20
24	Assessing patterns of annual change to permafrost bluffs along the North Slope coast of Alaska using high-resolution imagery and elevation models. <i>Geomorphology</i> , 2019, 336, 152-164.	2.6	18
25	Multiscale climate emulator of multimodal wave spectra: MUSCLE-spectra. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1400-1415.	2.6	17
26	Interactions of Estuarine Shoreline Infrastructure With Multiscale Sea Level Variability. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9962-9979.	2.6	17
27	Controls of Multimodal Wave Conditions in a Complex Coastal Setting. <i>Geophysical Research Letters</i> , 2017, 44, 12,315.	4.0	16
28	A global ensemble of ocean wave climate statistics from contemporary wave reanalysis and hindcasts. <i>Scientific Data</i> , 2022, 9, .	5.3	16
29	Identification of storm events and contiguous coastal sections for deterministic modeling of extreme coastal flood events in response to climate change. <i>Coastal Engineering</i> , 2018, 140, 316-330.	4.0	14
30	Projecting Climate Dependent Coastal Flood Risk With a Hybrid Statistical Dynamical Model. <i>Earth's Future</i> , 2021, 9, e2021EF002285.	6.3	14
31	Downscaling wind and wavefields for 21st century coastal flood hazard projections in a region of complex terrain. <i>Earth and Space Science</i> , 2017, 4, 314-334.	2.6	13
32	Modeling Sediment Bypassing around Idealized Rocky Headlands. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 40.	2.6	13
33	The effect of changing sea ice on wave climate trends along Alaska's central Beaufort Sea coast. <i>Cryosphere</i> , 2022, 16, 1609-1629.	3.9	12
34	Drivers of extreme water levels in a large, urban, high-energy coastal estuary – A case study of the San Francisco Bay. <i>Coastal Engineering</i> , 2021, 170, 103984.	4.0	10
35	Effect of Fluvial Discharges and Remote Non-Tidal Residuals on Compound Flood Forecasting in San Francisco Bay. <i>Water (Switzerland)</i> , 2020, 12, 2481.	2.7	9
36	Seven Decades of Coastal Change at Barter Island, Alaska: Exploring the Importance of Waves and Temperature on Erosion of Coastal Permafrost Bluffs. <i>Remote Sensing</i> , 2021, 13, 4420.	4.0	8

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37	Knowledge Gaps Update to the 2019 IPCC Special Report on the Ocean and Cryosphere: Prospects to Refine Coastal Flood Hazard Assessments and Adaptation Strategies With At-Risk Communities of Alaska. <i>Frontiers in Climate</i> , 2021, 3, .	2.8	5
38	Nearshore bathymetric changes along the Alaska Beaufort Sea coast and possible physical drivers. <i>Continental Shelf Research</i> , 2022, 242, 104745.	1.8	4
39	Characterizing storm-induced coastal change hazards along the United States West Coast. <i>Scientific Data</i> , 2022, 9, .	5.3	3
40	Assessment of Flood Forecast Products for a Coupled Tributary-Coastal Model. <i>Water (Switzerland)</i> , 2021, 13, 312.	2.7	1
41	Typological representation of the offshore oceanographic environment along the Alaskan North Slope. <i>Continental Shelf Research</i> , 2022, , 104795.	1.8	0