

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	Drivers, dynamics and impacts of changing Arctic coasts. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 39-54.	29.7	74
2	Nearshore bathymetric changes along the Alaska Beaufort Sea coast and possible physical drivers. <i>Continental Shelf Research</i> , 2022, 242, 104745.	1.8	4
3	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
4	Characterizing storm-induced coastal change hazards along the United States West Coast. <i>Scientific Data</i> , 2022, 9, .	5.3	3
5	Typological representation of the offshore oceanographic environment along the Alaskan North Slope. <i>Continental Shelf Research</i> , 2022, , 104795.	1.8	0
6	A global ensemble of ocean wave climate statistics from contemporary wave reanalysis and hindcasts. <i>Scientific Data</i> , 2022, 9, .	5.3	16
7	Assessment of Flood Forecast Products for a Coupled Tributary-Coastal Model. <i>Water (Switzerland)</i> , 2021, 13, 312.	2.7	1
8	Multiple climate change-driven tipping points for coastal systems. <i>Scientific Reports</i> , 2021, 11, 15560.	3.3	35
9	Global-scale changes to extreme ocean wave events due to anthropogenic warming. <i>Environmental Research Letters</i> , 2021, 16, 074056.	5.2	29
10	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
11	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
12	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
13	Projecting Climate Dependent Coastal Flood Risk With a Hybrid Statistical Dynamical Model. <i>Earth's Future</i> , 2021, 9, e2021EF002285.	6.3	14
14	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
15	A global ensemble of ocean wave climate projections from CMIP5-driven models. <i>Scientific Data</i> , 2020, 7, 105.	5.3	55
16	Robustness and uncertainties in global multivariate wind-wave climate projections. <i>Nature Climate Change</i> , 2019, 9, 711-718.	18.8	221
17	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
18	Modeling Sediment Bypassing around Idealized Rocky Headlands. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 40.	2.6	13

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19	Dynamic flood modeling essential to assess the coastal impacts of climate change. <i>Scientific Reports</i> , 2019, 9, 4309.	3.3	109
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Multiscale climate emulator of multimodal wave spectra: MUSCLE-spectra. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1400-1415.	2.6	17
28	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
29	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
30	A global classification of coastal flood hazard climates associated with large-scale oceanographic forcing. <i>Scientific Reports</i> , 2017, 7, 5038.	3.3	85
31	Controls of Multimodal Wave Conditions in a Complex Coastal Setting. <i>Geophysical Research Letters</i> , 2017, 44, 12,315.	4.0	16
32	Interactions of Estuarine Shoreline Infrastructure With Multiscale Sea Level Variability. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9962-9979.	2.6	17
33	Doubling of coastal flooding frequency within decades due to sea-level rise. <i>Scientific Reports</i> , 2017, 7, 1399.	3.3	518
34	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
35	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
36	Tidally influenced alongshore circulation at an inlet-adjacent shoreline. <i>Continental Shelf Research</i> , 2013, 56, 26-38.	1.8	36

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37	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
38	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
39	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
40	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
41	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