

Jeff E Hansen

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,196
citations

471371

17
h-index

377752

34
g-index

42
all docs

42
docs citations

42
times ranked

1202
citing authors

#	ARTICLE	IF	CITATIONS
1	Coastal vulnerability across the Pacific dominated by El Niño/Southern Oscillation. <i>Nature Geoscience</i> , 2015, 8, 801-807.	5.4	279
2	Sub-weekly to interannual variability of a high-energy shoreline. <i>Coastal Engineering</i> , 2010, 57, 959-972.	1.7	77
3	Understanding processes controlling sediment transports at the mouth of a highly energetic inlet system (San Francisco Bay, CA). <i>Marine Geology</i> , 2013, 345, 207-220.	0.9	65
4	Evaluation of nearshore wave models in steep reef environments. <i>Ocean Dynamics</i> , 2014, 64, 847-862.	0.9	64
5	Wave Setup over a Fringing Reef with Large Bottom Roughness. <i>Journal of Physical Oceanography</i> , 2016, 46, 2317-2333.	0.7	63
6	Dynamics of Wave Setup over a Steeply Sloping Fringing Reef. <i>Journal of Physical Oceanography</i> , 2015, 45, 3005-3023.	0.7	56
7	Mechanisms of Wave-Driven Water Level Variability on Reef-Fringed Coastlines. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3811-3831.	1.0	55
8	Equilibrium shoreline response of a high wave energy beach. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	53
9	The impact of the 2009-10 El Niño Modoki on U.S. West Coast beaches. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	48
10	Tidally influenced alongshore circulation at an inlet-adjacent shoreline. <i>Continental Shelf Research</i> , 2013, 56, 26-38.	0.9	36
11	Seasonal and interannual variability of the wave climate at a wave energy hotspot off the southwestern coast of Australia. <i>Renewable Energy</i> , 2020, 146, 2337-2350.	4.3	36
12	Response of a fringing reef coastline to the direct impact of a tropical cyclone. <i>Limnology and Oceanography Letters</i> , 2018, 3, 31-38.	1.6	34
13	Synthesis Study of an Erosion Hot Spot, Ocean Beach, California. <i>Journal of Coastal Research</i> , 2012, 28, 903.	0.1	25
14	A Numerical Study of Wave-Driven Mean Flows and Setup Dynamics at a Coral Reef-Lagoon System. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016811.	1.0	22
15	Changes in surfzone morphodynamics driven by multi-decadal contraction of a large ebb-tidal delta. <i>Marine Geology</i> , 2013, 345, 221-234.	0.9	21
16	Climatic Drivers of Extreme Sea Level Events Along the Coastline of Western Australia. <i>Earth's Future</i> , 2021, 9, e2020EF001620.	2.4	21
17	Modeled alongshore circulation and force balances onshore of a submarine canyon. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1887-1903.	1.0	20
18	Standing infragravity waves over an alongshore irregular rocky bathymetry. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4868-4885.	1.0	19

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19	Interannual Response of Reef Islands to Climate-Driven Variations in Water Level and Wave Climate. <i>Remote Sensing</i> , 2020, 12, 4089.	1.8	18
20	Is Climate Change Shifting the Poleward Limit of Mangroves?. <i>Estuaries and Coasts</i> , 2017, 40, 1215-1226.	1.0	17
21	Simulating the wave-induced response of a submerged wave-energy converter using a non-hydrostatic wave-flow model. <i>Coastal Engineering</i> , 2018, 140, 189-204.	1.7	17
22	Hydrodynamic Modeling of a Reef-Fringed Pocket Beach Using a Phase-Resolved Non-Hydrostatic Model. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 877.	1.2	14
23	Source and supply of sediment to a shoreline salient in a fringing reef environment. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 552-564.	1.2	13
24	The Contribution of Currents, Sea-Swell Waves, and Infragravity Waves to Suspended-Sediment Transport Across a Coral Reef-Lagoon System. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017010.	1.0	12
25	Observations of surfzone alongshore pressure gradients onshore of an ebb-tidal delta. <i>Coastal Engineering</i> , 2014, 91, 251-260.	1.7	11
26	Shoreline variability at a low-energy beach: Contributions of storms, megacusps and sea-breeze cycles. <i>Marine Geology</i> , 2018, 400, 94-106.	0.9	10
27	When is flow re-entrainment important for the flushing time in coastal reef systems?. <i>Continental Shelf Research</i> , 2020, 206, 104194.	0.9	10
28	Predicting the hydrodynamic response of a coastal reef-lagoon system to a tropical cyclone using phase-averaged and surfbeat-resolving wave models. <i>Coastal Engineering</i> , 2019, 152, 103525.	1.7	9
29	Understanding coastal impacts by nearshore wave farms using a phase-resolving wave model. <i>Renewable Energy</i> , 2020, 150, 637-648.	4.3	9
30	Predicting coastal impacts by wave farms: A comparison of wave-averaged and wave-resolving models. <i>Renewable Energy</i> , 2022, 183, 764-780.	4.3	8
31	Smoothed Particle Hydrodynamics simulations of reef surf zone processes driven by plunging irregular waves. <i>Ocean Modelling</i> , 2022, 171, 101945.	1.0	8
32	Seasonal Shoreline Variability Induced by Subtidal Water Level Fluctuations at Reef-Fringed Beaches. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 433-447.	1.0	7
33	Shoreline Variability at a Reef-Fringed Pocket Beach. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	7
34	GRAINSIZE, COMPOSITION AND BEDFORM PATTERNS IN A FRINGING REEF SYSTEM. , 2015, , .		7
35	Spectral Wave-Driven Bedload Transport Across a Coral Reef Flat/Lagoon Complex. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	6
36	Free and Forced Components of Shoaling Long Waves in the Absence of Short-Wave Breaking. <i>Journal of Physical Oceanography</i> , 2021, 51, 1465-1487.	0.7	5

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37	An efficient method to calculate depth-integrated, phase-averaged momentum balances in non-hydrostatic models. <i>Ocean Modelling</i> , 2021, 165, 101846.	1.0	5
38	Modelling wave attenuation through submerged vegetation canopies using a subgrid canopy flow model. <i>Coastal Engineering</i> , 2022, 176, 104153.	1.7	5
39	Physical linkages between an offshore canyon and surf zone morphologic change. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3451-3460.	1.0	3
40	Nearshore submerged wave farm optimisation: A multi-objective approach. <i>Applied Ocean Research</i> , 2022, 124, 103225.	1.8	1
41	NEARSHORE BATHYMETRIC EVOLUTION ON A HIGH-ENERGY BEACH DURING THE 2009-10 EL NIÑO WINTER. , 2011, , .		0
42	A Numerical Model Investigation of the Formation and Persistence of an Erosion Hotspot. , 2011, , .		0