Britt Raubenheimer

List of Publications by Year
in descending order

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52 papers	1,457 citations	257450 24 h-index	330143 37 g-index
54 all docs	54 docs citations	54 times ranked	1169 citing authors

#	Article	IF	Citations
1	Particle Image Velocimetry Measurements within a Laboratory-Generated Swash Zone. Journal of Engineering Mechanics - ASCE, 2003, 129, 1119-1129.	2.9	107
2	Beach nourishment has complex implications for the future of sandy shores. Nature Reviews Earth & Environment, 2021, 2, 70-84.	29.7	92
3	Tidal modulation of infragravity waves via nonlinear energy losses in the surfzone. Geophysical Research Letters, 2006, 33, .	4.0	90
4	Quality control of acoustic Doppler velocimeter data in the surfzone. Measurement Science and Technology, 2005, 16, 1889-1893.	2.6	75
5	Testing and calibrating parametric wave transformation models on natural beaches. Coastal Engineering, 2008, 55, 224-235.	4.0	75
6	Effects of wave rollers and bottom stress on wave setup. Journal of Geophysical Research, 2007, 112, .	3.3	70
7	Wave dissipation by muddy seafloors. Geophysical Research Letters, 2008, 35, .	4.0	67
8	Vorticity generation by shortâ€crested wave breaking. Geophysical Research Letters, 2012, 39, .	4.0	65
9	Current Meter Performance in the Surf Zone*. Journal of Atmospheric and Oceanic Technology, 2001, 18, 1735-1746.	1.3	46
10	Evaluation of video-based linear depth inversion performance and applications using altimeters and hydrographic surveys in a wide range of environmental conditions. Coastal Engineering, 2018, 136, 147-160.	4.0	46
11	Waveâ€driven setup and alongshore flows observed onshore of a submarine canyon. Journal of Geophysical Research, 2008, 113, .	3.3	41
12	Hydrodynamic and sediment transport modeling of <scp>N</scp>ew <scp>R</scp>iver <scp>I</scp>nlet (NC) under the interaction of tides and waves. Journal of Geophysical Research: Oceans, 2015, 120, 4028-4047.	2.6	41
13	Field observations of wave setup. Journal of Geophysical Research, 1999, 104, 25867-25875.	3.3	38
14	Fortnightly tides and subtidal motions in a choked inlet. Estuarine, Coastal and Shelf Science, 2014, 150, 325-331.	2.1	37
15	Wave-driven along-channel subtidal flows in a well-mixed ocean inlet. Journal of Geophysical Research: Oceans, 2014, 119, 2987-3001.	2.6	36
16	Modeling the hydrodynamics and morphodynamics of sandbar migration events. Coastal Engineering, 2021, 166, 103885.	4.0	35
17	Observations of wave effects on inlet circulation. Continental Shelf Research, 2014, 82, 37-42.	1.8	33
18	A numerical and field study on inner-surf and swash sediment transport. Continental Shelf Research, 2006, 26, 589-598.	1.8	30

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19	Impact of erosion and accretion on the distribution of enterococci in beach sands. Continental Shelf Research, 2011, 31, 1457-1461.	1.8	29
20	Observations and modeling of a tidal inlet dye tracer plume. Journal of Geophysical Research: Oceans, 2016, 121, 7819-7844.	2.6	29
21	Observations and model simulations of waveâ€current interaction on the inner shelf. Journal of Geophysical Research: Oceans, 2016, 121, 198-208.	2.6	29
22	Rip currents and alongshore flows in single channels dredged in the surf zone. Journal of Geophysical Research: Oceans, 2017, 122, 3799-3816.	2.6	28
23	Refraction and reflection of infragravity waves near submarine canyons. Journal of Geophysical Research, 2007, 112, .	3.3	27
24	Observed and modeled drifters at a tidal inlet. Journal of Geophysical Research: Oceans, 2015, 120, 4825-4844.	2.6	24
25	Microwave radar cross sections and Doppler velocities measured in the surf zone. Journal of Geophysical Research, 2005, 110, .	3.3	22
26	Modeled alongshore circulation and force balances onshore of a submarine canyon. Journal of Geophysical Research: Oceans, 2015, 120, 1887-1903.	2.6	20
27	Radar Remote Sensing Estimates of Waves and Wave Forcing at a Tidal Inlet. Journal of Atmospheric and Oceanic Technology, 2015, 32, 842-854.	1.3	17
28	Comparison of Rip Current Hazard Likelihood Forecasts with Observed Rip Current Speeds. Weather and Forecasting, 2017, 32, 1659-1666.	1.4	17
29	Field Evidence of Inverse Energy Cascades in the Surfzone. Journal of Physical Oceanography, 2020, 50, 2315-2321.	1.7	15
30	Improving the time resolution of surfzone bathymetry using in situ altimeters. Ocean Dynamics, 2014, 64, 755-770.	2.2	14
31	Changes in bay circulation in an evolving multiple inlet system. Continental Shelf Research, 2016, 124, 13-22.	1.8	14
32	Observations of transport of bacterial-like microspheres through beach sand. Continental Shelf Research, 2015, 97, 1-6.	1.8	13
33	Storm Impact on Morphological Evolution of a Sandy Inlet. Journal of Geophysical Research: Oceans, 2018, 123, 5751-5762.	2.6	13
34	Geochemical fluxes in sandy beach aquifers: Modulation due to major physical stressors, geologic heterogeneity, and nearshore morphology. Earth-Science Reviews, 2021, 221, 103800.	9.1	13
35	Observations and predictions of summertime winds on the Skagit tidal flats, Washington. Continental Shelf Research, 2013, 60, S13-S21.	1.8	11
36	Lessons learned from comparisons of mesotidal sand- and mudflats. Continental Shelf Research, 2013, 60, S1-S12.	1.8	11

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37	A surfzone morphological diffusivity estimated from the evolution of excavated holes. Geophysical Research Letters, 2014, 41, 4628-4636.	4.0	11
38	Observations of surfzone alongshore pressure gradients onshore of an ebb-tidal delta. Coastal Engineering, 2014, 91, 251-260.	4.0	11
39	Tidal Flow Asymmetry Owing to Inertia and Waves on an Unstratified, Shallow Ebb Shoal. Journal of Geophysical Research: Oceans, 2018, 123, 6779-6799.	2.6	9
40	Flow separation effects on shoreline sediment transport. Coastal Engineering, 2017, 125, 23-27.	4.0	8
41	Currents in a small channel on a sandy tidal flat. Continental Shelf Research, 2011, 31, 9-14.	1.8	7
42	Modeled Threeâ€Dimensional Currents and Eddies on an Alongshoreâ€Variable Barred Beach. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016899.	2.6	7
43	Wave evolution across the Louisiana shelf. Continental Shelf Research, 2013, 52, 190-202.	1.8	6
44	Extremely Low Frequency (0.1 to 1.0ÂmHz) Surf Zone Currents. Geophysical Research Letters, 2019, 46, 1531-1536.	4.0	6
45	Modeling Storm Surge in a Small Tidal Two-Inlet System. Journal of Waterway, Port, Coastal and Ocean Engineering, 2020, 146, .	1.2	6
46	HYDRODYNAMIC MODELING OF NEW RIVER INLET, NORTH CAROLINA USING NEARCOM-TVD. Coastal Engineering Proceedings, 2015, 1, 41.	0.1	4
47	Resonances in an Evolving Hole in the Swash Zone. Journal of Waterway, Port, Coastal and Ocean Engineering, 2012, 138, 299-302.	1.2	3
48	Physical linkages between an offshore canyon and surf zone morphologic change. Journal of Geophysical Research: Oceans, 2017, 122, 3451-3460.	2.6	3
49	Curvatureâ€•and Windâ€Driven Crossâ€Channel Flows at an Unstratified Tidal Bend. Journal of Geophysical Research: Oceans, 2018, 123, 3832-3843.	2.6	2
50	BARRIER ISLAND GROUNDWATER. Coastal Engineering Proceedings, 2018, , 10.	0.1	2
51	Estimation of Shallow-Water Breaking-Wave Height From Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2061-2065.	3.1	1
52	Effects of a shallow flood shoal and friction on hydrodynamics of a multipleâ€inlet system. Journal of Geophysical Research: Oceans, 2017, 122, 6055-6065.	2.6	1