

Britt Raubenheimer

List of Publications by Year in descending order

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Version: 2024-02-01

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	Beach nourishment has complex implications for the future of sandy shores. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 70-84.	29.7	92
2	Modeling the hydrodynamics and morphodynamics of sandbar migration events. <i>Coastal Engineering</i> , 2021, 166, 103885.	4.0	35
3	Modeled Three-Dimensional Currents and Eddies on an Alongshore Variable Barred Beach. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016899.	2.6	7
4	Geochemical fluxes in sandy beach aquifers: Modulation due to major physical stressors, geologic heterogeneity, and nearshore morphology. <i>Earth-Science Reviews</i> , 2021, 221, 103800.	9.1	13
5	Modeling Storm Surge in a Small Tidal Two-Inlet System. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2020, 146, .	1.2	6
6	Field Evidence of Inverse Energy Cascades in the Surfzone. <i>Journal of Physical Oceanography</i> , 2020, 50, 2315-2321.	1.7	15
7	Extremely Low Frequency (0.1 to 1.0 Hz) Surf Zone Currents. <i>Geophysical Research Letters</i> , 2019, 46, 1531-1536.	4.0	6
8	Evaluation of video-based linear depth inversion performance and applications using altimeters and hydrographic surveys in a wide range of environmental conditions. <i>Coastal Engineering</i> , 2018, 136, 147-160.	4.0	46
9	Tidal Flow Asymmetry Owing to Inertia and Waves on an Unstratified, Shallow Ebb Shoal. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6779-6799.	2.6	9
10	Storm Impact on Morphological Evolution of a Sandy Inlet. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5751-5762.	2.6	13
11	Curvature- and Wind-Driven Cross-Channel Flows at an Unstratified Tidal Bend. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3832-3843.	2.6	2
12	BARRIER ISLAND GROUNDWATER. <i>Coastal Engineering Proceedings</i> , 2018, , 10.	0.1	2
13	Flow separation effects on shoreline sediment transport. <i>Coastal Engineering</i> , 2017, 125, 23-27.	4.0	8
14	Physical linkages between an offshore canyon and surf zone morphologic change. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3451-3460.	2.6	3
15	Rip currents and alongshore flows in single channels dredged in the surf zone. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3799-3816.	2.6	28
16	Comparison of Rip Current Hazard Likelihood Forecasts with Observed Rip Current Speeds. <i>Weather and Forecasting</i> , 2017, 32, 1659-1666.	1.4	17
17	Effects of a shallow flood shoal and friction on hydrodynamics of a multiple inlet system. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6055-6065.	2.6	1
18	Changes in bay circulation in an evolving multiple inlet system. <i>Continental Shelf Research</i> , 2016, 124, 13-22.	1.8	14

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19	Observations and modeling of a tidal inlet dye tracer plume. Journal of Geophysical Research: Oceans, 2016, 121, 7819-7844.	2.6	29
20	Observations and model simulations of wave-current interaction on the inner shelf. Journal of Geophysical Research: Oceans, 2016, 121, 198-208.	2.6	29
21	Observed and modeled drifters at a tidal inlet. Journal of Geophysical Research: Oceans, 2015, 120, 4825-4844.	2.6	24
22	Hydrodynamic and sediment transport modeling of New River Inlet (NC) under the interaction of tides and waves. Journal of Geophysical Research: Oceans, 2015, 120, 4028-4047.	2.6	41
23	HYDRODYNAMIC MODELING OF NEW RIVER INLET, NORTH CAROLINA USING NEARCOM-TVD. Coastal Engineering Proceedings, 2015, 1, 41.	0.1	4
24	Modeled alongshore circulation and force balances onshore of a submarine canyon. Journal of Geophysical Research: Oceans, 2015, 120, 1887-1903.	2.6	20
25	Observations of transport of bacterial-like microspheres through beach sand. Continental Shelf Research, 2015, 97, 1-6.	1.8	13
26	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
27	Estimation of Shallow-Water Breaking-Wave Height From Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2061-2065.	3.1	1
28	A surfzone morphological diffusivity estimated from the evolution of excavated holes. Geophysical Research Letters, 2014, 41, 4628-4636.	4.0	11
29	Wave-driven along-channel subtidal flows in a well-mixed ocean inlet. Journal of Geophysical Research: Oceans, 2014, 119, 2987-3001.	2.6	36
30	Observations of surfzone alongshore pressure gradients onshore of an ebb-tidal delta. Coastal Engineering, 2014, 91, 251-260.	4.0	11
31	Improving the time resolution of surfzone bathymetry using in situ altimeters. Ocean Dynamics, 2014, 64, 755-770.	2.2	14
32	Observations of wave effects on inlet circulation. Continental Shelf Research, 2014, 82, 37-42.	1.8	33
33	Fortnightly tides and subtidal motions in a choked inlet. Estuarine, Coastal and Shelf Science, 2014, 150, 325-331.	2.1	37
34	Observations and predictions of summertime winds on the Skagit tidal flats, Washington. Continental Shelf Research, 2013, 60, S13-S21.	1.8	11
35	Wave evolution across the Louisiana shelf. Continental Shelf Research, 2013, 52, 190-202.	1.8	6
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	Resonances in an Evolving Hole in the Swash Zone. Journal of Waterway, Port, Coastal and Ocean Engineering, 2012, 138, 299-302.	1.2	3
38	Vorticity generation by short-crested wave breaking. Geophysical Research Letters, 2012, 39, .	4.0	65
39	Impact of erosion and accretion on the distribution of enterococci in beach sands. Continental Shelf Research, 2011, 31, 1457-1461.	1.8	29
40	Currents in a small channel on a sandy tidal flat. Continental Shelf Research, 2011, 31, 9-14.	1.8	7
41	Testing and calibrating parametric wave transformation models on natural beaches. Coastal Engineering, 2008, 55, 224-235.	4.0	75
42	Wave-driven setup and alongshore flows observed onshore of a submarine canyon. Journal of Geophysical Research, 2008, 113, .	3.3	41
43	Wave dissipation by muddy seafloors. Geophysical Research Letters, 2008, 35, .	4.0	67
44	Effects of wave rollers and bottom stress on wave setup. Journal of Geophysical Research, 2007, 112, .	3.3	70
45	Refraction and reflection of infragravity waves near submarine canyons. Journal of Geophysical Research, 2007, 112, .	3.3	27
46	Tidal modulation of infragravity waves via nonlinear energy losses in the surfzone. Geophysical Research Letters, 2006, 33, .	4.0	90
47	A numerical and field study on inner-surf and swash sediment transport. Continental Shelf Research, 2006, 26, 589-598.	1.8	30
48	Quality control of acoustic Doppler velocimeter data in the surfzone. Measurement Science and Technology, 2005, 16, 1889-1893.	2.6	75
49	Microwave radar cross sections and Doppler velocities measured in the surf zone. Journal of Geophysical Research, 2005, 110, .	3.3	22
50	Particle Image Velocimetry Measurements within a Laboratory-Generated Swash Zone. Journal of Engineering Mechanics - ASCE, 2003, 129, 1119-1129.	2.9	107
51	Current Meter Performance in the Surf Zone*. Journal of Atmospheric and Oceanic Technology, 2001, 18, 1735-1746.	1.3	46
52	Field observations of wave setup. Journal of Geophysical Research, 1999, 104, 25867-25875.	3.3	38