

Robert Guza

List of Publications by Year in descending order

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54
papers

2,612
citations

172207

29
h-index

182168

51
g-index

54
all docs

54
docs citations

54
times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	An early warning system for wave-driven coastal flooding at Imperial Beach, CA. <i>Natural Hazards</i> , 2021, 108, 2591-2612.	1.6	16
2	Cusp and Mega Cusp Observations on a Mixed Sediment Beach. <i>Earth and Space Science</i> , 2020, 7, e2020EA001366.	1.1	7
3	Predicting site-specific storm wave run-up. <i>Natural Hazards</i> , 2020, 104, 493-517.	1.6	18
4	Sixteen years of bathymetry and waves at San Diego beaches. <i>Scientific Data</i> , 2019, 6, 161.	2.4	67
5	Subharmonic edge wave excitation by narrow-band, random incident waves. <i>Journal of Fluid Mechanics</i> , 2019, 868, .	1.4	6
6	Regional Swell Transformation by Backward Ray Tracing and SWAN. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 217-229.	0.5	6
7	Southern California Coastal Response to the 2015-2016 El Niño. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 3069-3083.	1.0	28
8	Observations and modeling of a tidal inlet dye tracer plume. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7819-7844.	1.0	29
9	Mid-El Niño erosion at nourished and unnourished Southern California beaches. <i>Geophysical Research Letters</i> , 2016, 43, 4510-4516.	1.5	25
10	Surfzone to inner-shelf exchange estimated from dye tracer balances. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6289-6308.	1.0	29
11	Observed and modeled drifters at a tidal inlet. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4825-4844.	1.0	24
12	Field evidence of beach profile evolution toward equilibrium. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7574-7597.	1.0	52
13	Aerial Imaging of Fluorescent Dye in the Near Shore. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 1410-1421.	0.5	30
14	Cross-shore tracer exchange between the surfzone and inner-shelf. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4367-4388.	1.0	48
15	Relating Lagrangian and Eulerian horizontal eddy statistics in the surfzone. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1022-1037.	1.0	11
16	Estimating Changes in Near-Shore Bathymetry with Subaerial Surveys. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 2225-2232.	0.5	2
17	Episodic vertical nutrient fluxes and nearshore phytoplankton blooms in Southern California. <i>Limnology and Oceanography</i> , 2012, 57, 1673-1688.	1.6	34
18	Effect of wave frequency and directional spread on shoreline runup. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	73

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19	Cross-shore decay of cliff top ground motions driven by local ocean swell and infragravity waves. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	16
20	Equilibrium shoreline response of a high wave energy beach. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	53
21	Short-term retreat statistics of a slowly eroding coastal cliff. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 205-217.	1.5	61
22	Modeling surf zone tracer plumes: 2. Transport and dispersion. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	29
23	Physical and biological processes underlying the sudden surface appearance of a red tide in the nearshore. <i>Limnology and Oceanography</i> , 2011, 56, 787-801.	1.6	56
24	Coastal cliff ground motions from local ocean swell and infragravity waves in southern California. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	32
25	Modeling surf zone tracer plumes: 1. Waves, mean currents, and low-frequency eddies. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
26	Cross-shore surfzone tracer dispersion in an alongshore current. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	53
27	Observations of drifter dispersion in the surfzone: The effect of sheared alongshore currents. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
28	Equilibrium shoreline response: Observations and modeling. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	227
29	Wave-driven setup and alongshore flows observed onshore of a submarine canyon. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	41
30	A Technique for Eliminating Water Returns from Lidar Beach Elevation Surveys. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 1671-1682.	0.5	9
31	Observing Surf-Zone Dispersion with Drifters. <i>Journal of Physical Oceanography</i> , 2007, 37, 2920-2939.	0.7	86
32	Effects of wave rollers and bottom stress on wave setup. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	70
33	Refraction and reflection of infragravity waves near submarine canyons. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	27
34	A NOTE ON SETUP SENSITIVITY AND PREDICTION ACCURACY. , 2007, , .		1
35	Tidal modulation of infragravity waves via nonlinear energy losses in the surfzone. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	90
36	Nonlinear generation and loss of infragravity wave energy. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	88

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37	Refraction of Surface Gravity Waves by Shear Waves. Journal of Physical Oceanography, 2006, 36, 629-635.	0.7	12
38	Monitoring Regional Shoreline Change. , 2005, , 14.		0
39	A new estimator for directional properties of nearshore waves. Journal of Geophysical Research, 2005, 110, .	3.3	13
40	Surf zone currents over irregular bathymetry: Drifter observations and numerical simulations. Journal of Geophysical Research, 2005, 110, .	3.3	29
41	Model-data comparisons of shear waves in the nearshore. Journal of Geophysical Research, 2005, 110, .	3.3	17
42	Field observations of shear waves in the surf zone. Journal of Geophysical Research, 2004, 109, .	3.3	55
43	Observations of swash zone velocities: A note on friction coefficients. Journal of Geophysical Research, 2004, 109, .	3.3	61
44	A GPS-Tracked Surf Zone Drifter*. Journal of Atmospheric and Oceanic Technology, 2003, 20, 1069-1075.	0.5	101
45	Observations of nearshore circulation: Alongshore uniformity. Journal of Geophysical Research, 2003, 108, 6-1.	3.3	69
46	Shoaling transformation of wave frequency-directional spectra. Journal of Geophysical Research, 2003, 108, .	3.3	37
47	Observations of nearshore infragravity waves: Seaward and shoreward propagating components. Journal of Geophysical Research, 2002, 107, 10-1.	3.3	97
48	Resonant scattering of edge waves by longshore periodic topography: finite beach slope. Journal of Fluid Mechanics, 1999, 387, 255-269.	1.4	10
49	Resonant scattering of edge waves by longshore periodic topography. Journal of Fluid Mechanics, 1998, 369, 91-123.	1.4	12
50	Field observations of orbital velocities and pressure in weakly nonlinear surface gravity waves. Journal of Fluid Mechanics, 1992, 245, 413.	1.4	29
51	Nonlinear model predictions of bispectra of shoaling surface gravity waves. Journal of Fluid Mechanics, 1986, 167, 1.	1.4	74
52	Observations of bispectra of shoaling surface gravity waves. Journal of Fluid Mechanics, 1985, 161, 425.	1.4	357
53	Shoaling gravity waves: comparisons between field observations, linear theory, and a nonlinear model. Journal of Fluid Mechanics, 1985, 158, 47-70.	1.4	105
54	Experimental study of the instabilities of waves obliquely incident on a beach. Journal of Fluid Mechanics, 1979, 95, 199-208.	1.4	8