

B Gerben Ruessink

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171
papers

4,946
citations

44
h-index

61
g-index

195
ext. papers

5,631
ext. citations

3.6
avg, IF

5.94
L-index

#	Paper	IF	Citations
171	Modeling the alongshore current on barred beaches. <i>Journal of Geophysical Research</i> , 2001 , 106, 22451-22463		159
170	The behaviour of a multiple bar system in the nearshore zone of Terschelling, the Netherlands: 1965-1993. <i>Marine Geology</i> , 1994 , 121, 187-197	3.3	123
169	Observations of swash under highly dissipative conditions. <i>Journal of Geophysical Research</i> , 1998 , 103, 3111-3118		114
168	Calibration and verification of a parametric wave model on barred beaches. <i>Coastal Engineering</i> , 2003 , 48, 139-149	4.8	110
167	Observations of nearshore crescentic sandbars. <i>Journal of Geophysical Research</i> , 2004 , 109,		107
166	Modeling cross-shore sandbar behavior on the timescale of weeks. <i>Journal of Geophysical Research</i> , 2007 , 112,		94
165	Video observations of nearshore bar behaviour. Part 1: alongshore uniform variability. <i>Continental Shelf Research</i> , 2003 , 23, 501-512	2.4	93
164	Infragravity waves: From driving mechanisms to impacts. <i>Earth-Science Reviews</i> , 2018 , 177, 774-799	10.2	90
163	Initial spreading of a mega feeder nourishment: Observations of the Sand Engine pilot project. <i>Coastal Engineering</i> , 2016 , 111, 23-38	4.8	88
162	Analysis of observed two- and three-dimensional nearshore bar behaviour. <i>Marine Geology</i> , 2000 , 169, 161-183	3.3	87
161	The systematic contribution of transporting mechanisms to the cross-shore sediment transport in water depths of 3 to 9 m. <i>Marine Geology</i> , 1998 , 152, 295-324	3.3	82
160	Effect of hydrodynamics and bathymetry on video estimates of nearshore sandbar position. <i>Journal of Geophysical Research</i> , 2001 , 106, 16969-16979		82
159	Two- and three-dimensional double-sandbar system behaviour under intense wave forcing and a meso-macro tidal range. <i>Continental Shelf Research</i> , 2010 , 30, 781-792	2.4	79
158	On bar growth and decay during interannual net offshore migration. <i>Coastal Engineering</i> , 2012 , 60, 190-200	4.8	77
157	Video observations of nearshore bar behaviour. Part 2: alongshore non-uniform variability. <i>Continental Shelf Research</i> , 2003 , 23, 513-532	2.4	76
156	On the parameterization of the free-stream non-linear wave orbital motion in nearshore morphodynamic models. <i>Coastal Engineering</i> , 2012 , 65, 56-63	4.8	75
155	State dynamics of a double sandbar system. <i>Continental Shelf Research</i> , 2011 , 31, 659-674	2.4	74

154	Seasonal accretion and erosion patterns of a microtidal sandy beach. <i>Marine Geology</i> , 2008 , 250, 19-33	3.3	74
153	Observations of velocities, sand concentrations, and fluxes under velocity-asymmetric oscillatory flows. <i>Journal of Geophysical Research</i> , 2011 , 116,		70
152	Daily to interannual cross-shore sandbar migration: Observations from a multiple sandbar system. <i>Continental Shelf Research</i> , 2009 , 29, 1663-1677	2.4	65
151	Shoreline dissipation of infragravity waves. <i>Continental Shelf Research</i> , 2014 , 72, 73-82	2.4	64
150	Process-based modelling of a shoreface nourishment. <i>Coastal Engineering</i> , 2004 , 51, 581-607	4.8	64
149	Dunefoot dynamics along the Dutch coast. <i>Earth Surface Processes and Landforms</i> , 2002 , 27, 1043-1056	3.7	64
148	Modeling sediment transport beneath skewed asymmetric waves above a plane bed. <i>Journal of Geophysical Research</i> , 2009 , 114,		63
147	Intersite comparison of interannual nearshore bar behavior. <i>Journal of Geophysical Research</i> , 2003 , 108,		63
146	Evolution of the early Antarctic ice ages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3867-3872	11.5	61
145	Bound and free infragravity waves in the nearshore zone under breaking and nonbreaking conditions. <i>Journal of Geophysical Research</i> , 1998 , 103, 12795-12805		60
144	Observations of shoreline sandbar coupling on an embayed beach. <i>Marine Geology</i> , 2013 , 344, 101-114	3.3	59
143	The behaviour of nearshore bars on the time scale of years: a conceptual model. <i>Marine Geology</i> , 2000 , 163, 289-302	3.3	59
142	Self-organization of a biogeomorphic landscape controlled by plant life-history traits. <i>Nature Geoscience</i> , 2018 , 11, 672-677	18.3	57
141	Parameterization and simulation of near bed orbital velocities under irregular waves in shallow water. <i>Coastal Engineering</i> , 2006 , 53, 915-927	4.8	57
140	Process-based modeling of cross-shore sandbar behavior. <i>Coastal Engineering</i> , 2015 , 95, 35-50	4.8	55
139	Wind extremes in the North Sea Basin under climate change: An ensemble study of 12 CMIP5 GCMs. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1601-1612	4.4	55
138	Observations of Turbulence within a Natural Surf Zone. <i>Journal of Physical Oceanography</i> , 2010 , 40, 2696-2712	2.4	53
137	Coupled and noncoupled behavior of three-dimensional morphological patterns in a double sandbar system. <i>Journal of Geophysical Research</i> , 2007 , 112,		53

136	Measuring and modeling the effect of surface moisture on the spectral reflectance of coastal beach sand. <i>PLoS ONE</i> , 2014 , 9, e112151	3.7	53
135	Morphodynamic response of nearshore bars to a shoreface nourishment. <i>Coastal Engineering</i> , 2005 , 52, 119-137	4.8	52
134	Observations of rip spacing, persistence and mobility at a long, straight coastline. <i>Marine Geology</i> , 2007 , 236, 209-221	3.3	51
133	Nearshore subtidal bathymetry from time-exposure video images. <i>Journal of Geophysical Research</i> , 2005 , 110,		51
132	Nearshore bar crest location quantified from time-averaged X-band radar images. <i>Coastal Engineering</i> , 2002 , 45, 19-32	4.8	51
131	Observations and modeling of alongshore variability in dune erosion at Egmond aan Zee, the Netherlands. <i>Coastal Engineering</i> , 2015 , 99, 167-175	4.8	49
130	The temporal and spatial variability of infragravity energy in a barred nearshore zone. <i>Continental Shelf Research</i> , 1998 , 18, 585-605	2.4	47
129	Infragravity-wave dynamics in a barred coastal region, a numerical study. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 4068-4089	3.3	46
128	Recurrent neural network modeling of nearshore sandbar behavior. <i>Neural Networks</i> , 2007 , 20, 509-18	9.1	45
127	Coastal dune dynamics in response to excavated foredune notches. <i>Aeolian Research</i> , 2018 , 31, 3-17	3.9	41
126	The morphological response of a nearshore double sandbar system to constant wave forcing. <i>Coastal Engineering</i> , 2008 , 55, 761-770	4.8	41
125	Input reduction for long-term morphodynamic simulations in wave-dominated coastal settings. <i>Coastal Engineering</i> , 2013 , 77, 57-70	4.8	40
124	Morphodynamic response of a two-barred beach to a shoreface nourishment. <i>Coastal Engineering</i> , 2008 , 55, 1185-1196	4.8	40
123	The role of video imagery in predicting daily to monthly coastal evolution. <i>Coastal Engineering</i> , 2007 , 54, 539-553	4.8	39
122	Nonlinear Infragravity-Wave Interactions on a Gently Sloping Laboratory Beach. <i>Journal of Physical Oceanography</i> , 2015 , 45, 589-605	2.4	38
121	Beach steepness effects on nonlinear infragravity-wave interactions: A numerical study. <i>Journal of Geophysical Research: Oceans</i> , 2016 , 121, 554-570	3.3	37
120	Artificial neural network correction of remotely sensed sandbar location. <i>Marine Geology</i> , 2000 , 169, 137-160	3.3	36
119	Modeling of waves and currents in the nearshore parametric vs. probabilistic approach. <i>Coastal Engineering</i> , 2003 , 49, 185-207	4.8	34

118	Daily to seasonal cross-shore behaviour of quasi-persistent intertidal beach morphology. <i>Earth Surface Processes and Landforms</i> , 2007 , 32, 1293-1307	3.7	33
117	Video observations and model predictions of depth-induced wave dissipation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004 , 42, 2612-2622	8.1	33
116	Turbulence dissipation under breaking waves and bores in a natural surf zone. <i>Continental Shelf Research</i> , 2012 , 43, 133-141	2.4	32
115	Cross-shore sand transport by infragravity waves as a function of beach steepness. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016 , 121, 1786-1799	3.8	31
114	Large-scale Barrier Dynamics Experiment II (BARDEX II): Experimental design, instrumentation, test program, and data set. <i>Coastal Engineering</i> , 2016 , 113, 3-18	4.8	30
113	Infragravity-wave modulation of short-wave celerity in the surf zone. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 6799-6814	3.3	30
112	The use of artificial neural networks to analyze and predict alongshore sediment transport. <i>Nonlinear Processes in Geophysics</i> , 2010 , 17, 395-404	2.9	30
111	The ECORS-Truc Vert08 nearshore field experiment: presentation of a three-dimensional morphologic system in a macro-tidal environment during consecutive extreme storm conditions. <i>Ocean Dynamics</i> , 2011 , 61, 2073-2098	2.3	29
110	Morphologic properties derived from a simple cross-shore sediment transport model. <i>Journal of Geophysical Research</i> , 2001 , 106, 945-958		28
109	Sensitivity analysis of climate change impacts on dune erosion: case study for the Dutch Holland coast. <i>Climatic Change</i> , 2017 , 141, 685-701	4.5	27
108	On the use of the Radon Transform in studying nearshore wave dynamics. <i>Coastal Engineering</i> , 2014 , 92, 24-30	4.8	26
107	The influence of wave direction on the morphological response of a double sandbar system. <i>Continental Shelf Research</i> , 2012 , 32, 71-85	2.4	26
106	The effect of climate change on extreme waves in front of the Dutch coast. <i>Ocean Dynamics</i> , 2012 , 62, 1139-1152	2.3	26
105	Modeling formation and subsequent nonlinear evolution of rip channels: Time-varying versus time-invariant wave forcing. <i>Journal of Geophysical Research</i> , 2011 , 116,		26
104	Sediment transport in nonlinear skewed oscillatory flows: Transkew experiments. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2011 , 49, 72-80	1.9	26
103	The use of video imagery to analyse groundwater and shoreline dynamics on a dissipative beach. <i>Continental Shelf Research</i> , 2011 , 31, 1728-1738	2.4	25
102	Onshore sandbar migration at Tairua Beach (New Zealand): Numerical simulations and field measurements. <i>Marine Geology</i> , 2008 , 253, 99-106	3.3	24
101	Sediment sorting at the Sand Motor at storm and annual time scales. <i>Marine Geology</i> , 2016 , 381, 209-226	3.3	24

100	Numerical predictability experiments of cross-shore sandbar migration. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	23
99	Field observations of the effect of shear waves on sediment suspension and transport. <i>Continental Shelf Research</i> , 2002 , 22, 657-681	2.4	23
98	Rapid adjustment of shoreline behavior to changing seasonality of storms: observations and modelling at an open-coast beach. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1186-1194	3.7	22
97	Predictive uncertainty of a nearshore bed evolution model. <i>Continental Shelf Research</i> , 2005 , 25, 1053-1069	3.6	22
96	Observations of turbulence within the surf and swash zone of a field-scale sandy laboratory beach. <i>Coastal Engineering</i> , 2016 , 113, 62-72	4.8	21
95	Morphological coupling in multiple sandbar systems [a review]. <i>Earth Surface Dynamics</i> , 2014 , 2, 309-321	3.8	21
94	Models and scales for cross-shore sandbar migration. <i>Journal of Geophysical Research</i> , 2010 , 115,		21
93	Accuracy of Nearshore Bathymetry Inverted From $\{X\}$ -Band Radar and Optical Video Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1106-1116	8.1	20
92	The influence of tides, wind and waves on the redistribution of nourished sediment at Terschelling, The Netherlands. <i>Coastal Engineering</i> , 2005 , 52, 617-631	4.8	20
91	Growing Forced Bars Determine Nonideal Estuary Planform. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 2971-2992	3.8	20
90	Coupling mechanisms in double sandbar systems. Part 1: patterns and physical explanation. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, n/a-n/a	3.7	19
89	Non-linear principal component analysis of nearshore bathymetry. <i>Marine Geology</i> , 2004 , 203, 185-197	3.3	19
88	Modeling the long-term diffusion and feeding capability of a mega-nourishment. <i>Coastal Engineering</i> , 2017 , 121, 1-13	4.8	18
87	Bed shear stress under skewed and asymmetric oscillatory flows. <i>Coastal Engineering</i> , 2013 , 73, 1-10	4.8	18
86	On cross-shore migration and equilibrium states of nearshore sandbars. <i>Journal of Geophysical Research</i> , 2010 , 115,		18
85	On the Intersite Variability in Inter-Annual Nearshore Sandbar Cycles. <i>Journal of Marine Science and Engineering</i> , 2016 , 4, 15	2.4	18
84	Observations and conceptual modelling of morphological coupling in a double sandbar system. <i>Earth Surface Processes and Landforms</i> , 2013 , 38, 477-489	3.7	17
83	Object-oriented extraction of beach morphology from video images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2006 , 8, 256-269	7.3	17

82	Medium-term frequency distributions of cross-shore suspended sediment transport rates in water depths of 3 to 9 m. <i>Coastal Engineering</i> , 1999 , 38, 25-46	4.8	17
81	Measuring spatial and temporal variation in surface moisture on a coastal beach with a near-infrared terrestrial laser scanner. <i>Aeolian Research</i> , 2018 , 31, 19-27	3.9	17
80	Spatio-Temporal Variations in Foredune Dynamics Determined with Mobile Laser Scanning. <i>Journal of Marine Science and Engineering</i> , 2018 , 6, 126	2.4	17
79	Calibration of nearshore process models—application of a hybrid genetic algorithm. <i>Journal of Hydroinformatics</i> , 2005 , 7, 135-149	2.6	16
78	Observations and Modelling of Shoreface Nourishment Behaviour. <i>Journal of Marine Science and Engineering</i> , 2019 , 7, 59	2.4	16
77	Observations of waves and currents during barrier island inundation. <i>Journal of Geophysical Research: Oceans</i> , 2017 , 122, 3152-3169	3.3	15
76	Cyclic channel-shoal dynamics at the Ameland inlet: the impact on waves, tides, and sediment transport. <i>Ocean Dynamics</i> , 2019 , 69, 409-425	2.3	15
75	Morphodynamic zone variability on a microtidal barred beach. <i>Marine Geology</i> , 2008 , 251, 98-109	3.3	15
74	Intrawave sand suspension in the shoaling and surf zone of a field-scale laboratory beach. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017 , 122, 356-370	3.8	14
73	On the impact of an offshore bathymetric anomaly on surf zone rip channels. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
72	Tide-induced variability in beach surface moisture: Observations and modelling. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 317-330	3.7	14
71	Modelling of bed sediment composition changes at the lower shoreface of the Sand Motor. <i>Coastal Engineering</i> , 2018 , 132, 33-49	4.8	14
70	Multivariate analysis of nonlinearity in sandbar behavior. <i>Nonlinear Processes in Geophysics</i> , 2008 , 15, 145-158	2.9	13
69	Mechanisms controlling the complete accretionary beach state sequence. <i>Geophysical Research Letters</i> , 2017 , 44, 5645-5654	4.9	12
68	Observations on sandbar behaviour along a man-made curved coast. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 134-149	3.7	12
67	Sandbar and beach-face evolution on a prototype coarse sandy barrier. <i>Coastal Engineering</i> , 2016 , 113, 19-32	4.8	12
66	Shortwave Sand Transport in the Shallow Surf Zone. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 1145-1159	3.8	12
65	PIV measurements of the bottom boundary layer under nonlinear surface waves. <i>Coastal Engineering</i> , 2014 , 94, 33-46	4.8	12

64	From Ripples to Large-Scale Sand Transport: The Effects of Bedform-Related Roughness on Hydrodynamics and Sediment Transport Patterns in Delft3D. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 892	2.4	12
63	Alongshore variability of cross-shore bar behavior on a nontidal beach. <i>Earth Surface Processes and Landforms</i> , 2016 , 41, 2085-2097	3.7	12
62	Field Observations of Turbulence, Sand Suspension, and Cross-Shore Transport Under Spilling and Plunging Breakers. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 2844-2862	3.8	12
61	Spatiotemporal Surface Moisture Variations on a Barred Beach and their Relationship with Groundwater Fluctuations. <i>Hydrology</i> , 2019 , 6, 8	2.8	11
60	Geometry of Wave-Formed Orbital Ripples in Coarse Sand. <i>Journal of Marine Science and Engineering</i> , 2015 , 3, 1568-1594	2.4	11
59	Coupled sandbar patterns and obliquely incident waves. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013 , 118, 1677-1692	3.8	11
58	Shoreline instability under low-angle wave incidence. <i>Journal of Geophysical Research</i> , 2011 , 116,		11
57	Coupling mechanisms in double sandbar systems. Part 2: impact on alongshore variability of inner-bar rip channels. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, n/a-n/a	3.7	10
56	Field observations of turbulence in the intertidal and shallow subtidal zones. <i>Continental Shelf Research</i> , 2018 , 170, 21-32	2.4	10
55	A Multi-Year Data Set of Beach-Foredune Topography and Environmental Forcing Conditions at Egmond aan Zee, The Netherlands. <i>Data</i> , 2019 , 4, 73	2.3	9
54	Effects of Wave Orbital Velocity Parameterization on Nearshore Sediment Transport and Decadal Morphodynamics. <i>Journal of Marine Science and Engineering</i> , 2019 , 7, 188	2.4	9
53	Process-based modeling of kilometer-scale alongshore sandbar variability. <i>Earth Surface Processes and Landforms</i> , 2015 , 40, 995-1005	3.7	9
52	Regional versus local wind speed and direction at a narrow beach with a high and steep foredune. <i>PLoS ONE</i> , 2020 , 15, e0226983	3.7	9
51	Field observations of intra-wave sediment suspension and transport in the intertidal and shallow subtidal zones. <i>Marine Geology</i> , 2019 , 413, 10-26	3.3	8
50	Feedbacks between Biotic and Abiotic Processes Governing the Development of Fore-dune Blowouts: A Review. <i>Journal of Marine Science and Engineering</i> , 2019 , 7, 2	2.4	8
49	Spatio-temporal characteristics of small-scale wave-current ripples on the Ameland ebb-tidal delta. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 1248-1261	3.7	7
48	Determining sand strip characteristics using Argus video monitoring. <i>Aeolian Research</i> , 2018 , 33, 1-11	3.9	7
47	Turbulent viscosity in natural surf zones. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	7

46	Neural-network predictability experiments for nearshore sandbar migration. <i>Continental Shelf Research</i> , 2011 , 31, 1033-1042	2.4	7
45	Towards a process-based model to predict dune erosion along the Dutch Wadden coast. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2012 , 91, 357-372	1.1	7
44	A Bayesian estimation of parameter-induced uncertainty in a nearshore alongshore current model. <i>Journal of Hydroinformatics</i> , 2006 , 8, 37-49	2.6	7
43	Using Argus Video Monitoring to Determine Limiting Factors of Aeolian Sand Transport on a Narrow Beach. <i>Journal of Marine Science and Engineering</i> , 2018 , 6, 138	2.4	7
42	Wave Ripple Development on Mixed Clay-Sand Substrates: Effects of Clay Winnowing and Armoring. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 2784-2801	3.8	7
41	Comment on Be-mobilisation nature restoration or nature destruction? A commentary by I. Delgado-Fernandez, R.G.D. Davidson-Arnott & P.A. Hesp. <i>Journal of Coastal Conservation</i> , 2020 , 24, 1	1.9	6
40	Observations and modeling of surf zone transverse finger bars at the Gold Coast, Australia. <i>Ocean Dynamics</i> , 2014 , 64, 1193-1207	2.3	6
39	An evaluation of two alongshore transport equations with field measurements. <i>Coastal Engineering</i> , 2009 , 56, 313-319	4.8	6
38	Modeling the nonlinear effect of wind on rectilinear tidal flow. <i>Journal of Geophysical Research</i> , 2006 , 111,		6
37	A cross-wavelet study of alongshore nonuniform nearshore sandbar behavior 2006 ,		6
36	Non-linear complex principal component analysis of nearshore bathymetry. <i>Nonlinear Processes in Geophysics</i> , 2005 , 12, 661-670	2.9	6
35	Environmental Impacts Coastal Ecosystems. <i>Regional Climate Studies</i> , 2016 , 275-314		6
34	Measuring high spatiotemporal variability in saltation intensity using a low-cost Saltation Detection System: Wind tunnel and field experiments. <i>Aeolian Research</i> , 2018 , 31, 72-81	3.9	6
33	Large-scale laboratory observations of beach morphodynamics and turbulence beneath shoaling and breaking waves. <i>Journal of Coastal Research</i> , 2013 , 165, 1515-1520	0.6	5
32	Sand Suspension and Transport During Inundation of a Dutch Barrier Island. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 3292	3.8	5
31	Using Video Monitoring to Test a Fetch-Based Aeolian Sand Transport Model. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 110	2.4	4
30	Characteristics of saw-tooth bars on the ebb-tidal deltas of the Wadden Islands. <i>Ocean Dynamics</i> , 2019 , 69, 1273-1285	2.3	4
29	MORPHOLOGICAL DEVELOPMENT OF A MEGA-NOURISHMENT; FIRST OBSERVATIONS AT THE SAND ENGINE. <i>Coastal Engineering Proceedings</i> , 2015 , 1, 73	1.4	4

28	Video Observations of Wave Breaking and the Implication for Wave Decay Modelling 2001 , 979		4
27	Stabilized RANS simulation of surf zone kinematics and boundary layer processes beneath large-scale plunging waves over a breaker bar. <i>Ocean Modelling</i> , 2020 , 155, 101705	3	4
26	Observations on decadal sandbar behaviour along a large-scale curved shoreline. <i>Earth Surface Processes and Landforms</i> , 2021 , 46, 490-503	3.7	4
25	Interannual Nearshore Bar Behaviour: An Inter-Site Comparison 2001 , 646		3
24	Morphological Monitoring of a Shoreface Nourishment Nourtec: Experiment at Terschelling, The Netherlands 1995 , 2222		3
23	52. MODELS AND SCALES FOR NEARSHORE SANDBAR BEHAVIOR 2009 ,		3
22	Alongshore Variability in Crescentic Sandbar Patterns at a Strongly Curved Coast. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019 , 124, 2877-2898	3.8	3
21	Morphological Development of the Terschelling Shoreface Nourishment in Response to Hydrodynamic and Sediment Transport Processes 1997 , 2897		2
20	Parameter stability and consistency in an alongshore-current model determined with Markov chain Monte Carlo. <i>Journal of Hydroinformatics</i> , 2008 , 10, 153-162	2.6	2
19	Wave-Related Transport and Nearshore Morphology 2007 ,		2
18	Connecting Users with Their Data: An Environment to Explore the Morphodynamics of Rip Channels. <i>Cartographica</i> , 2007 , 42, 139-151	0.7	2
17	Alongshore Uniform and Nonuniform Bar Crest Change 2001 , 656		2
16	Consequences of a Storm Surge for Aeolian Sand Transport on a Low-Gradient Beach. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 584	2.4	2
15	Wind and Sand Transport Across a Vegetated Foredune Slope. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126,	3.8	2
14	Unmixing water and mud: Characterizing diffuse boundaries of subtidal mud banks from individual satellite observations. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 95, 102252	7.3	2
13	Beaches 2015 , 149-177		1
12	Testing numerical hydrodynamic and morphodynamic models against BARDEX II Experiment data sets. <i>Journal of Coastal Research</i> , 2013 , 165, 1745-1750	0.6	1
11	Numerical modelling of pronounced sloping beach profile evolution: comparison with the large-scale BARDEX II experiment. <i>Journal of Coastal Research</i> , 2013 , 165, 1762-1767	0.6	1

10	Cross-Shore Sediment Transport Mechanisms in the Surfzone on a Timescale of Months to Years 1997, 4793		1
9	Nonlinear complex principal component analysis and its applications		1
8	Surf Zone Turbulence and Suspended Sediment Dynamics A Review. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 1300	2.4	1
7	Morphological coupling in a double sandbar system		1
6	Barrier Breaching Versus Overwash Deposition: Predicting the Morphologic Impact of Storms on Coastal Barriers. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126, e2021JF006066	3.8	1
5	Sediment Transport Processes during Barrier Island Inundation under Variations in Cross-Shore Geometry and Hydrodynamic Forcing. <i>Journal of Marine Science and Engineering</i> , 2019 , 7, 210	2.4	0
4	Parameter-Induced Predictive Uncertainty in Process-Based Modeling: Application of Markov Chain Monte Carlo 2006 , 1		0
3	Long-Term Performance of Mega-Nourishments: Role of Directional Wave Climate and Initial Geometry. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 965	2.4	
2	Apparent Current Roughness Caused by Waves and Bedforms on a Sandy Shoreface 2006 , 1		
1	Can Short-Wave Nonlinearity Affect the Prediction of Wave Setup?. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2021JC017264	3.3	