

# Gerd Masselink

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/516662/publications.pdf>

Version: 2024-02-01

211  
papers

8,214  
citations

31902

53  
h-index

60497

81  
g-index

248  
all docs

248  
docs citations

248  
times ranked

3495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme wave activity during 2013/2014 winter and morphological impacts along the Atlantic coast of Europe. <i>Geophysical Research Letters</i> , 2016, 43, 2135-2143.	1.5	248
2	Swash-zone morphodynamics. <i>Continental Shelf Research</i> , 2006, 26, 661-680.	0.9	215
3	Field investigation of sediment transport in the swash zone. <i>Continental Shelf Research</i> , 1998, 18, 1179-1199.	0.9	190
4	Swash infiltration-exfiltration and sediment transport. <i>Journal of Geophysical Research</i> , 1998, 103, 30813-30824.	3.3	183
5	Morphodynamics of intertidal bars in wave-dominated coastal settings – A review. <i>Geomorphology</i> , 2006, 73, 33-49.	1.1	178
6	Concepts in gravel beach dynamics. <i>Earth-Science Reviews</i> , 2006, 79, 33-52.	4.0	175
7	The extreme 2013/2014 winter storms: hydrodynamic forcing and coastal response along the southwest coast of England. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 378-391.	1.2	174
8	Seasonal changes in beach morphology along the sheltered coastline of Perth, Western Australia. <i>Marine Geology</i> , 2001, 172, 243-263.	0.9	164
9	Morphodynamic characteristics and classification of beaches in England and Wales. <i>Marine Geology</i> , 2011, 286, 1-20.	0.9	154
10	“Low energy” sandy beaches in marine and estuarine environments: a review. <i>Geomorphology</i> , 2002, 48, 147-162.	1.1	152
11	Sandy beaches can survive sea-level rise. <i>Nature Climate Change</i> , 2020, 10, 993-995.	8.1	136
12	Flow velocity and sediment transport in the swash zone of a steep beach. <i>Marine Geology</i> , 1997, 138, 91-103.	0.9	132
13	Observations of morphological change and sediment transport on a steep gravel beach. <i>Marine Geology</i> , 2006, 229, 59-77.	0.9	112
14	The extreme 2013/2014 winter storms: Beach recovery along the southwest coast of England. <i>Marine Geology</i> , 2016, 382, 224-241.	0.9	111
15	Suspended sediment transport in the swash zone of a dissipative beach. <i>Marine Geology</i> , 2005, 216, 169-189.	0.9	108
16	Response of wave-dominated and mixed-energy barriers to storms. <i>Marine Geology</i> , 2014, 352, 321-347.	0.9	107
17	Role of wave forcing, storms and NAO in outer bar dynamics on a high-energy, macro-tidal beach. <i>Geomorphology</i> , 2014, 226, 76-93.	1.1	106
18	The role of swash infiltration in determining the beachface gradient: a numerical study. <i>Marine Geology</i> , 2001, 176, 139-156.	0.9	105

#	ARTICLE	IF	CITATIONS
19	The influence of bore turbulence on sediment transport in the swash and inner surf zones. <i>Continental Shelf Research</i> , 2004, 24, 757-771.	0.9	105
20	Modelling storm hydrodynamics on gravel beaches with XBeach-G. <i>Coastal Engineering</i> , 2014, 91, 231-250.	1.7	103
21	Temporal observations of rip current circulation on a macro-tidal beach. <i>Continental Shelf Research</i> , 2010, 30, 1149-1165.	0.9	100
22	Morphodynamics of meso- and macrotidal beaches: examples from central Queensland, Australia. <i>Marine Geology</i> , 1995, 129, 1-23.	0.9	98
23	A new climate index controlling winter wave activity along the Atlantic coast of Europe: The West Europe Pressure Anomaly. <i>Geophysical Research Letters</i> , 2017, 44, 1384-1392.	1.5	94
24	A new parameterisation for runup on gravel beaches. <i>Coastal Engineering</i> , 2016, 117, 176-190.	1.7	88
25	Morphodynamics of intertidal bar morphology on a macrotidal beach under low-energy wave conditions, North Lincolnshire, England. <i>Marine Geology</i> , 2002, 190, 591-608.	0.9	87
26	Storm response and beach rotation on a gravel beach, Slapton Sands, U.K.. <i>Marine Geology</i> , 2010, 278, 77-99.	0.9	87
27	Beach recovery from extreme storm activity during the 2013â€“14 winter along the Atlantic coast of Europe. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 393-401.	1.2	85
28	A morphodynamic model to simulate the seasonal closure of tidal inlets. <i>Coastal Engineering</i> , 1999, 37, 1-36.	1.7	84
29	Modelling the morphodynamics of gravel beaches during storms with XBeach-G. <i>Coastal Engineering</i> , 2015, 103, 52-66.	1.7	84
30	Grainâ€“size information from the statistical properties of digital images of sediment. <i>Sedimentology</i> , 2009, 56, 421-438.	1.6	81
31	Increased Winterâ€“Mean Wave Height, Variability, and Periodicity in the Northeast Atlantic Over 1949â€“2017. <i>Geophysical Research Letters</i> , 2018, 45, 3586-3596.	1.5	81
32	BeachWin: modelling groundwater effects on swash sediment transport and beach profile changes. <i>Environmental Modelling and Software</i> , 2002, 17, 313-320.	1.9	79
33	Group bound long waves as a source of infragravity energy in the surf zone. <i>Continental Shelf Research</i> , 1995, 15, 1525-1547.	0.9	76
34	Net sediment transport and morphological change in the swash zone of a high-energy sandy beach from swash event to tidal cycle time scales. <i>Marine Geology</i> , 2009, 267, 18-35.	0.9	76
35	Classification of beach response to extreme storms. <i>Geomorphology</i> , 2017, 295, 722-737.	1.1	76
36	The effect of sea breeze on beach morphology, surf zone hydrodynamics and sediment resuspension. <i>Marine Geology</i> , 1998, 146, 115-135.	0.9	75

#	ARTICLE	IF	CITATIONS
37	Swash zone sediment fluxes: Field observations. Coastal Engineering, 2011, 58, 28-44.	1.7	75
38	Flow velocities, sediment transport and morphological change in the swash zone of two contrasting beaches. Marine Geology, 2006, 227, 227-240.	0.9	73
39	Observations of gravel beach dynamics during high energy wave conditions using a laser scanner. Geomorphology, 2015, 228, 15-27.	1.1	73
40	Beach cusp morphodynamics. Earth Surface Processes and Landforms, 1997, 22, 1139-1155.	1.2	71
41	Implications of delta retreat on wave propagation and longshore sediment transport—Guadalejo case study (southern Spain). Marine Geology, 2016, 382, 1-16.	0.9	69
42	Offshore wave climate, Perth (Western Australia), 1994 - 96. Marine and Freshwater Research, 1999, 50, 95.	0.7	68
43	Swash zone sediment transport, step dynamics and morphological response on a gravel beach. Marine Geology, 2010, 274, 50-68.	0.9	67
44	Overwash threshold for gravel barriers. Coastal Engineering, 2012, 63, 48-61.	1.7	65
45	Relaxation time effects of wave ripples on tidal beaches. Geophysical Research Letters, 2007, 34, .	1.5	64
46	The role of bore collapse and local shear stresses on the spatial distribution of sediment load in the uprush of an intermediate-state beach. Marine Geology, 2004, 203, 109-118.	0.9	63
47	Cross-shore sediment transport and morphological response on a macrotidal beach with intertidal bar morphology, Truc Vert, France. Marine Geology, 2008, 251, 141-155.	0.9	63
48	Satellite-derived shoreline detection at a high-energy meso-macrotidal beach. Geomorphology, 2021, 383, 107707.	1.1	63
49	Location and height of intertidal bars on macrotidal ridge and runnel beaches. Earth Surface Processes and Landforms, 2001, 26, 759-774.	1.2	61
50	Controls on macrotidal rip current circulation and hazard. Geomorphology, 2014, 214, 198-215.	1.1	61
51	Morpho-sedimentary dynamics of a micro-tidal mixed sand and gravel beach, Playa Granada, southern Spain. Marine Geology, 2016, 379, 28-38.	0.9	59
52	Coupling cross-shore and longshore sediment transport to model storm response along a mixed sand-gravel coast under varying wave directions. Coastal Engineering, 2017, 129, 93-104.	1.7	58
53	Role of waves and tides on depth of closure and potential for headland bypassing. Marine Geology, 2019, 407, 60-75.	0.9	57
54	Defining Coastal Resilience. Water (Switzerland), 2019, 11, 2587.	1.2	56

#	ARTICLE	IF	CITATIONS
55	The ECORS-Truc Vert <sup>TM</sup> 08 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.	0.9	53
56	Morphological evolution of beach cusps and associated swash circulation patterns. <i>Marine Geology</i> , 1998, 146, 93-113.	0.9	51
57	Observations of nearshore infragravity wave dynamics under high energy swell and wind-wave conditions. <i>Continental Shelf Research</i> , 2017, 138, 19-31.	0.9	51
58	Coral reef islands can accrete vertically in response to sea level rise. <i>Science Advances</i> , 2020, 6, eaay3656.	4.7	51
59	Formation and evolution of multiple intertidal bars on macrotidal beaches: application of a morphodynamic model. <i>Coastal Engineering</i> , 2004, 51, 713-730.	1.7	50
60	From fine sand to boulders: Examining the relationship between beach-face slope and sediment size. <i>Marine Geology</i> , 2019, 417, 106012.	0.9	50
61	Field investigation of wave propagation over a bar and the consequent generation of secondary waves. <i>Coastal Engineering</i> , 1998, 33, 1-9.	1.7	48
62	Coastal cliff ground motions and response to extreme storm waves. <i>Geophysical Research Letters</i> , 2015, 42, 847-854.	1.5	48
63	Dynamics of rip currents associated with groynes – field measurements, modelling and implications for beach safety. <i>Coastal Engineering</i> , 2016, 107, 53-69.	1.7	48
64	Coastal embayment rotation: Response to extreme events and climate control, using full embayment surveys. <i>Geomorphology</i> , 2019, 327, 385-403.	1.1	47
65	Climate forcing of regionally-coherent extreme storm impact and recovery on embayed beaches. <i>Marine Geology</i> , 2018, 401, 112-128.	0.9	46
66	Morphodynamic evolution of a macrotidal barrier estuary. <i>Marine Geology</i> , 1995, 129, 25-46.	0.9	45
67	Magnitude and cross-shore distribution of bed return flow measured on natural beaches. <i>Coastal Engineering</i> , 1995, 25, 165-190.	1.7	44
68	Depths of Modern Coastal Sand Clinofolds. <i>Journal of Sedimentary Research</i> , 2012, 82, 469-481.	0.8	43
69	A rules-based shoreface translation and sediment budgeting tool for estimating coastal change: ShoreTrans. <i>Marine Geology</i> , 2021, 435, 106466.	0.9	43
70	Single extreme storm sequence can offset decades of shoreline retreat projected to result from sea-level rise. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	43
71	Swash-groundwater interaction on a steep gravel beach. <i>Continental Shelf Research</i> , 2006, 26, 2503-2519.	0.9	42
72	High frequency in-situ field measurements of morphological response on a fine gravel beach during energetic wave conditions. <i>Marine Geology</i> , 2013, 342, 1-13.	0.9	41

#	ARTICLE	IF	CITATIONS
73	Comprehensive Field Study of Swash-Zone Processes. II: Sheet Flow Sediment Concentrations during Quasi-Steady Backwash. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2014, 140, 29-42.	0.5	41
74	Barrier dynamics experiment (BARDEX): Aims, design and procedures. <i>Coastal Engineering</i> , 2012, 63, 3-12.	1.7	40
75	Large-scale Barrier Dynamics Experiment II (BARDEX II): Experimental design, instrumentation, test program, and data set. <i>Coastal Engineering</i> , 2016, 113, 3-18.	1.7	40
76	SPECTRAL ANALYSIS OF GEOMORPHIC TIME SERIES: AUTO-SPECTRUM. <i>Earth Surface Processes and Landforms</i> , 1996, 21, 1021-1040.	1.2	38
77	Onshore sediment transport on a sandy beach under varied wave conditions: Flow velocity skewness, wave asymmetry or bed ventilation?. <i>Marine Geology</i> , 2009, 259, 86-101.	0.9	38
78	Geometry and dynamics of wave ripples in the nearshore zone of a coarse sandy beach. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	37
79	Short-term morphological change and sediment dynamics in the intertidal zone of a macrotidal beach. <i>Sedimentology</i> , 2007, 54, 39-53.	1.6	37
80	Rip Current Prediction: Development, Validation, and Evaluation of an Operational Tool. <i>Journal of Coastal Research</i> , 2012, 29, 283.	0.1	37
81	Measurements of morphodynamic and hydrodynamic overwash processes in a large-scale wave flume. <i>Coastal Engineering</i> , 2016, 113, 33-46.	1.7	37
82	Physical modelling of the response of reef islands to sea-level rise. <i>Geology</i> , 2019, 47, 803-806.	2.0	37
83	Alongshore variation in beach cusp morphology in a coastal embayment. <i>Earth Surface Processes and Landforms</i> , 1999, 24, 335-347.	1.2	36
84	Characteristics and dynamics of multiple intertidal bars, north Lincolnshire, England. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 428-443.	1.2	36
85	Tidal asymmetry in sediment resuspension on a macrotidal beach in northwestern Australia. <i>Marine Geology</i> , 2000, 163, 257-274.	0.9	35
86	The Impact of Waves and Tides on Residual Sand Transport on a Sediment-Poor, Energetic, and Macrotidal Continental Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4974-5002.	1.0	34
87	Evaluation of Longshore Transport Equations with OBS Sensors, Streamer Traps, and Fluorescent Tracer. <i>Journal of Coastal Research</i> , 2005, 215, 915-931.	0.1	32
88	Wave and Tidal Controls on Embayment Circulation and Headland Bypassing for an Exposed, Macrotidal Site. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 94.	1.2	32
89	Application of airborne LiDAR to investigate rates of recession in rocky coast environments. <i>Journal of Coastal Conservation</i> , 2015, 19, 831-845.	0.7	31
90	Evaluation of salt marsh restoration by means of self-regulating tidal gate " Avon estuary, South Devon, UK. <i>Ecological Engineering</i> , 2017, 106, 174-190.	1.6	31

#	ARTICLE	IF	CITATIONS
91	Test of edge wave forcing during formation of rhythmic beach morphology. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	30
92	Storm overwash of a gravel barrier: Field measurements and XBeach-G modelling. <i>Coastal Engineering</i> , 2017, 120, 22-35.	1.7	30
93	The Application of Bagnold-Type Sediment Transport Models in the Swash Zone. <i>Journal of Coastal Research</i> , 2005, 215, 887-895.	0.1	29
94	The Role of Bed Roughness in Wave Transformation Across Sloping Rock Shore Platforms. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 97-123.	1.0	29
95	Multi-annual embayment sediment dynamics involving headland bypassing and sediment exchange across the depth of closure. <i>Geomorphology</i> , 2019, 343, 48-64.	1.1	29
96	Evidence of a Mid-Holocene Sea Level Highstand from the Sedimentary Record of a Macrotidal Barrier and Paleoeuary System in Northwestern Australia. <i>Journal of Coastal Research</i> , 2006, 221, 100-112.	0.1	28
97	Large-scale laboratory investigation into the effect of varying back-barrier lagoon water levels on gravel beach morphology and swash zone sediment transport. <i>Coastal Engineering</i> , 2012, 63, 23-38.	1.7	28
98	Physical and Numerical Modeling of Infragravity Wave Generation and Transformation on Coral Reef Platforms. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1410-1433.	1.0	28
99	A coastal vulnerability assessment for planning climate resilient infrastructure. <i>Ocean and Coastal Management</i> , 2018, 163, 101-112.	2.0	26
100	Sediment trend models fail to reproduce small-scale sediment transport patterns on an intertidal beach. <i>Sedimentology</i> , 2008, 55, 667-687.	1.6	25
101	Detailed investigation of overwash on a gravel barrier. <i>Marine Geology</i> , 2014, 350, 27-38.	0.9	25
102	Observations of the swash zone on a gravel beach during a storm using a laser-scanner (Lidar). <i>Journal of Coastal Research</i> , 2013, 65, 636-641.	0.1	24
103	Water-level controls on macro-tidal rip currents. <i>Continental Shelf Research</i> , 2014, 75, 28-40.	0.9	24
104	Comprehensive Field Study of Swash-Zone Processes. I: Experimental Design with Examples of Hydrodynamic and Sediment Transport Measurements. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2014, 140, 14-28.	0.5	24
105	Tide-driven dune migration and sediment transport on an intertidal shoal in a shallow estuary in Devon, UK. <i>Marine Geology</i> , 2009, 262, 82-95.	0.9	23
106	The role of beach morphology on coastal cliff erosion under extreme waves. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1213-1228.	1.2	23
107	Forecasting coastal overtopping at engineered and naturally defended coastlines. <i>Coastal Engineering</i> , 2021, 164, 103827.	1.7	23
108	The effect of bedform dynamics on computing suspended sediment fluxes using optical backscatter sensors and current meters. <i>Coastal Engineering</i> , 2008, 55, 251-260.	1.7	22

#	ARTICLE	IF	CITATIONS
109	Determination of wave-shoreline dynamics on a macrotidal gravel beach using Canonical Correlation Analysis. <i>Coastal Engineering</i> , 2010, 57, 290-303.	1.7	22
110	Morphodynamic variability of high-energy macrotidal beaches, Cornwall, UK. <i>Marine Geology</i> , 2014, 350, 97-111.	0.9	22
111	Overwash experiment on a sandy barrier. <i>Journal of Coastal Research</i> , 2013, 65, 778-783.	0.1	21
112	Modelling storm response on gravel beaches using XBeach-G. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2014, 167, 173-191.	1.4	20
113	Predicting beach rotation using multiple atmospheric indices. <i>Marine Geology</i> , 2020, 426, 106207.	0.9	20
114	Sediment supply dampens the erosive effects of sea-level rise on reef islands. <i>Scientific Reports</i> , 2021, 11, 5523.	1.6	20
115	Steps to Develop Early Warning Systems and Future Scenarios of Storm Wave-Driven Flooding Along Coral Reef-Lined Coasts. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	19
116	Field measurements and hydrodynamic modelling to evaluate the importance of factors controlling overwash. <i>Coastal Engineering</i> , 2019, 152, 103523.	1.7	18
117	Nearshore sediment pathways and potential sediment budgets in embayed settings over a multi-annual timescale. <i>Marine Geology</i> , 2020, 427, 106270.	0.9	18
118	A cross-shore suspended sediment transport shape function parameterisation for natural beaches. <i>Continental Shelf Research</i> , 2009, 29, 1948-1960.	0.9	17
119	Groundwater dynamics in coastal gravel barriers backed by freshwater lagoons and the potential for saline intrusion: Two cases from the UK. <i>Journal of Marine Systems</i> , 2013, 123-124, 19-32.	0.9	17
120	Wave breaking patterns control rip current flow regimes and surfzone retention. <i>Marine Geology</i> , 2016, 382, 176-190.	0.9	17
121	Application of multiple linear regression and Bayesian belief network approaches to model life risk to beach users in the UK. <i>Ocean and Coastal Management</i> , 2017, 139, 12-23.	2.0	17
122	High-efficiency gravel longshore sediment transport and headland bypassing over an extreme wave event. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2720-2727.	1.2	16
123	Coastal adaptation to climate change through zonation: A review of coastal change management areas (CCMAs) in England. <i>Ocean and Coastal Management</i> , 2021, 215, 105950.	2.0	16
124	Coastal gravel barrier hydrology - Observations from a prototype-scale laboratory experiment (BARDEX). <i>Coastal Engineering</i> , 2012, 63, 13-22.	1.7	15
125	Physical modelling of reef island topographic response to rising sea levels. <i>Geomorphology</i> , 2019, 345, 106833.	1.1	15
126	Regionally-Coherent Embayment Rotation: Behavioural Response to Bi-Directional Waves and Atmospheric Forcing. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 116.	1.2	15



#	ARTICLE	IF	CITATIONS
127	Dynamics of multiple intertidal bars over semi-diurnal and lunar tidal cycles, North Lincolnshire, England. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1473-1490.	1.2	14
128	Systematic analysis of rocky shore platform morphology at large spatial scale using LiDAR-derived digital elevation models. <i>Geomorphology</i> , 2017, 286, 45-57.	1.1	14
129	Infragravity wave generation on shore platforms: Bound long wave versus breakpoint forcing. <i>Geomorphology</i> , 2020, 350, 106880.	1.1	14
130	Role of Atmospheric Indices in Describing Inshore Directional Wave Climate in the United Kingdom and Ireland. <i>Earth's Future</i> , 2021, 9, e2020EF001625.	2.4	14
131	Performance of a dynamic cobble berm revetment for coastal protection, under increasing water level.. <i>Coastal Engineering</i> , 2020, 159, 103712.	1.7	14
132	In-situ estimates of net sediment flux per swash: Reply to discussion by TE Baldock of "Measurement of wave-by-wave bed-levels in the swash zone". <i>Coastal Engineering</i> , 2009, 56, 1009-1012.	1.7	13
133	Validation of volume continuity method for estimation of cross-shore swash flow velocity. <i>Coastal Engineering</i> , 2010, 57, 953-958.	1.7	13
134	Boundary layer dynamics in the swash zone under large-scale laboratory conditions. <i>Coastal Engineering</i> , 2016, 113, 47-61.	1.7	13
135	BARDEX II: Bringing the beach to the laboratory "again!". <i>Journal of Coastal Research</i> , 2013, 165, 1545-1550.	0.1	12
136	Beach response to consecutive extreme storms using LiDAR along the SW coast of England. <i>Journal of Coastal Research</i> , 2016, 75, 1052-1056.	0.1	12
137	Suspended Sediment Transport in Rip Currents on a Macrotidal Beach. <i>Journal of Coastal Research</i> , 2013, 165, 1880-1885.	0.1	11
138	Predicting overwash on gravel barriers. <i>Journal of Coastal Research</i> , 2013, 165, 1473-1478.	0.1	11
139	Observation of Wave Transformation on Macro-tidal Rocky Platforms. <i>Journal of Coastal Research</i> , 2016, 75, 602-606.	0.1	11
140	Impact of a headland-associated sandbank on shoreline dynamics. <i>Geomorphology</i> , 2020, 355, 107065.	1.1	11
141	An XBeach derived parametric expression for headland bypassing. <i>Coastal Engineering</i> , 2021, 165, 103860.	1.7	11
142	Role of Future Reef Growth on Morphological Response of Coral Reef Islands to Sea-Level Rise. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005749.	1.0	10
143	Coastal dune dynamics in embayed settings with sea-level rise "Examples from the exposed and macrotidal north coast of SW England. <i>Marine Geology</i> , 2022, 450, 106853.	0.9	10
144	Synthetic Imagery for the Automated Detection of Rip Currents. <i>Journal of Coastal Research</i> , 2016, 75, 912-916.	0.1	9

#	ARTICLE	IF	CITATIONS
145	Alongshore fluid motions in the swash zone of a sandy and gravel beach. Coastal Engineering, 2011, 58, 690-705.	1.7	8
146	Observations of bedforms on a dissipative macrotidal beach. Ocean Dynamics, 2014, 64, 225-239.	0.9	8
147	Storm-driven cusp behaviour on a high energy gravel beach. Journal of Coastal Research, 2014, 70, 645-650.	0.1	8
148	Wave, Tide and Topographical Controls on Headland Sand Bypassing. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017053.	1.0	8
149	Coastal sand barrier hydrology “ observations from the BARDEX II prototype-scale laboratory experiment. Journal of Coastal Research, 2013, 165, 1886-1891.	0.1	7
150	Vertical structure of near-bed cross-shore flow velocities in the swash zone of a dissipative beach. Continental Shelf Research, 2015, 101, 98-108.	0.9	7
151	Preface: Monitoring and modelling to guide coastal adaptation to extreme storm events in a changing climate. Natural Hazards and Earth System Sciences, 2016, 16, 463-467.	1.5	7
152	The extreme 2013/14 winter storms: Regional patterns in multi-annual beach recovery. Geomorphology, 2021, 389, 107828.	1.1	7
153	Sediment transport dynamics in the swash zone under large-scale laboratory conditions. Continental Shelf Research, 2016, 120, 1-13.	0.9	6
154	Field Observations of Sediment Fluxes in the Inner-Surf and Swash Zones. Journal of Coastal Research, 2009, 254, 991-1001.	0.1	5
155	Sensitivity analysis of the methodology for quantifying cliff erosion using airborne LiDAR “ examples from Cornwall, UK.. Journal of Coastal Research, 2013, 65, 470-475.	0.1	5
156	Spatio-temporal Variability in the Tipping Points of a Coastal Defense. Journal of Coastal Research, 2016, 75, 1042-1046.	0.1	5
157	The role of alongshore flows on inner surf and swash zone hydrodynamics on a dissipative beach. Continental Shelf Research, 2020, 201, 104134.	0.9	5
158	Emergent coastal behaviour results in extreme dune erosion decoupled from hydrodynamic forcing. Marine Geology, 2021, 442, 106667.	0.9	5
159	Infiltration and Exfiltration on a Steep Gravel Beach: Implications for Sediment Transport. , 2006, , 1.		4
160	Testing numerical hydrodynamic and morphodynamic models against BARDEX II Experiment data sets. Journal of Coastal Research, 2013, 165, 1745-1750.	0.1	4
161	Megaripple dynamics on a dissipative sandy beach. Journal of Coastal Research, 2014, 70, 187-192.	0.1	4
162	Bedform Dynamics in a Rip Current. Journal of Coastal Research, 2014, 70, 700-705.	0.1	4

#	ARTICLE	IF	CITATIONS
163	SWASH ZONE MORPHODYNAMICS OF COARSE-GRAINED BEACHES DURING ENERGETIC WAVE CONDITIONS. Coastal Engineering Proceedings, 2015, 1, 35.	0.1	4
164	Correcting wave reflection estimates in the coastal zone. Coastal Engineering, 2017, 119, 65-71.	1.7	4
165	Physical Modelling of Reef Platform Hydrodynamics. Journal of Coastal Research, 2018, 85, 491-495.	0.1	4
166	High-resolution, large-scale laboratory measurements of a sandy beach and dynamic cobble berm revetment. Scientific Data, 2021, 8, 22.	2.4	4
167	MULTI-ANNUAL SAND AND GRAVEL BEACH RESPONSE TO STORMS IN THE SOUTHWEST OF ENGLAND. , 2015, , .		4
168	Field Measurements of Flow Velocities on a Dissipative and Reflective Beach " Implications for Swash Sediment Transport. , 2006, , 1.		3
169	Accurate Estimation of Wave Reflection on a High Energy, Dissipative Beach. Journal of Coastal Research, 2016, 75, 877-881.	0.1	3
170	Predicting Dominance of Sand Transport by Waves, Tides, and Their Interactions on Sandy Continental Shelves. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017200.	1.0	3
171	AN INTEGRATIVE APPROACH TO INVESTIGATING THE ROLE OF SWASH IN SHORELINE CHANGE. , 2003, , .		3
172	CONTRASTING STORM IMPACTS ON GRAVEL BEACHES " EXAMPLES FROM SOUTH ENGLAND. Coastal Engineering Proceedings, 2012, 1, 84.	0.1	3
173	78. STORM RESPONSE AND BEACH ROTATION ON A GRAVEL BEACH. , 2009, , .		3
174	<b>27.</b> FIELD MEASUREMENTS OF NET SEDIMENT FLUX FROM INDIVIDUAL SWASHES ON A SANDY BEACH. , 2009, , .		2
175	Can standard energetics models be used to predict net cross-shore sediment flux at the beach face?. Australian Journal of Civil Engineering, 2011, 9, 19-34.	0.6	2
176	Sandy Beach Morphodynamics.. Journal of Coastal Research, 2021, 37, .	0.1	2
177	MODELING RESPONSE OF CORAL REEF ISLANDS TO SEA-LEVEL RISE. , 2019, , .		2
178	GRAVEL BEACH CROSS- AND ALONGSHORE RESPONSE TO AN EXTREME EVENT: BEACH LENGTH AND HEADLAND PROXIMITY CONTROLS. , 2019, , .		2
179	UK STORMS 2014: GRAVEL BEACH RESPONSE. , 2015, , .		2
180	REGIONAL VARIABILITY IN ATLANTIC STORM RESPONSE ALONG THE SOUTHWEST COAST OF ENGLAND. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
181	HIGH VOLUME SEDIMENT TRANSPORT AND ITS IMPLICATIONS FOR RECREATIONAL BEACH RISK. , 2009, , .		2
182	GROUNDWATER SEEPAGE BETWEEN A GRAVEL BARRIER BEACH AND A FRESHWATER LAGOON. , 2009, , .		2
183	EXPLORING REEF ISLAND MORPHODYNAMICS: A PHYSICAL MODELLING METHODOLOGY. , 2019, , .		1
184	LONGSHORE SEDIMENT TRANSPORT DUE TO SEA BREEZES: AN IMPOUNDMENT STUDY. , 2003, , .		1
185	MONITORING STORM IMPACTS ON A GRAVEL BEACH USING THE ARGUS VIDEO SYSTEM. , 2009, , .		1
186	FIELD MEASUREMENTS OF SHEET FLOW SEDIMENT TRANSPORT IN THE SWASH ZONE. Coastal Engineering Proceedings, 2012, 1, 78.	0.1	1
187	COMPREHENSIVE STUDY OF SWASH-ZONE HYDRODYNAMICS AND SEDIMENT TRANSPORT. Coastal Engineering Proceedings, 2012, 1, 1.	0.1	1
188	DEVELOPMENT OF A REAL-TIME, REGIONAL COASTAL FLOOD WARNING SYSTEM FOR SOUTHWEST ENGLAND. , 2019, , .		1
189	A 15-year partnership between UK coastal scientists and the international beach lifeguard community. Continental Shelf Research, 2022, 241, 104732.	0.9	1
190	Sea Breeze Effects on Nearshore Coastal Processes. , 1997, , 4200.		0
191	Sea Breeze Climatology and Nearshore Processes along the Perth Metropolitan Coastline, Western Australia. , 1999, , 3165.		0
192	Field Observations of Step Dynamics on a Macrotidal Gravel Beach. , 2007, , .		0
193	The Coast of Australia - By Andrew D Short and Colin D Woodroffe. Geographical Journal, 2010, 176, 376-377.	1.6	0
194	Holocene book review: Simon K. Haslett Coastal systems (2nd Edition) Abingdon: Routledge, 2009, 240 pp. £23.99, paperback, ISBN 978 0 415 44060 8. Holocene, 2010, 20, 1005-1006.	0.9	0
195	3D BEACH RESPONSE TO ENERGETIC WAVE CLIMATE, CORNWALL, UK. , 2011, , .		0
196	PROPAGATION AND DISSIPATION OF INFRAGRAVITY WAVES ON A DISSIPATIVE BEACH WITH ENERGETIC WAVE FORCING. , 2015, , .		0
197	Modelling regional and local-scale larval seeding strategies for abalone ( <i>H. midae</i> ) ranching in South Africa. Aquaculture, 2021, 540, 736668.	1.7	0
198	THE VARIATION UNDER DIFFERENT CONDITIONS OF THE INFLUENCE OF IN-EXFILTRATION ON SWASH-ZONE SEDIMENT TRANSPORT. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
199	FIELD MEASUREMENTS OF VELOCITY MOMENT SHAPE FUNCTIONS (THE X-SHORE PROJECT). , 2007, , .		0
200	GRANULAR PROPERTIES FROM DIGITAL IMAGES OF SEDIMENT: IMPLICATIONS FOR COASTAL SEDIMENT TRANSPORT MODELLING. , 2009, , .		0
201	FIELD INVESTIGATIONS OF WAVE RIPPLE DYNAMICS IN THE SHALLOW NEARSHORE OF TWO SANDY BEACHES. , 2009, , .		0
202	FIELD MEASUREMENTS OF BEDFORMS IN A RIP CHANNEL ON A MACRO-TIDAL BEACH. Coastal Engineering Proceedings, 2012, 1, 93.	0.1	0
203	MODELING GRAVEL BARRIER RESILIENCE DURING STORMS WITH XBEACH-G: THE ROLE OF INFILTRATION. , 2015, , .		0
204	Un indice climatique contrÃlant les conditions de vagues en hiver le long de la cÃte atlantique europÃenne : WEPA (West Europe Pressure Anomaly). , 0, , .		0
205	Wave Refraction Diagrams. Encyclopedia of Earth Sciences Series, 2019, , 1867-1872.	0.1	0
206	ATMOSPHERIC CLIMATE CONTROL OF DIRECTIONAL WAVES IN THE UNITED KINGDOM AND IRELAND. , 2019, , .		0
207	CLIMATE CONTROL ON WINTER WAVE ACTIVITY IN THE NORTHEAST ATLANTIC AND IMPACTS ON BEACH EROSION AND RECOVERY ALONG THE WEST COAST OF EUROPE. , 2019, , .		0
208	ROTATIONAL BEACH RESPONSE TO DIRECTIONALLY BI-MODAL WAVE CLIMATES. , 2019, , .		0
209	CIRCULATION AND SEDIMENT FLUXES ON A MACROTIDAL, EXPOSED AND EMBAYED COASTLINE. , 2019, , .		0
210	âThere's Camels on the Beach!â The Nine Mile Beach, Central Queensland Macrotidal Beach Experiment. Journal of Coastal Research, 2020, 101, 246.	0.1	0
211	Can coral reef islands survive sea level rise?. TheScienceBreaker, 2020, 06, .	0.0	0