

Dominic E Reeve

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

1,942
citations

23
h-index

37
g-index

148
ext. papers

2,211
ext. citations

3.2
avg, IF

5.26
L-index

#	Paper	IF	Citations
123	Simulation of Wave Time Series with a Vector Autoregressive Method. <i>Water (Switzerland)</i> , 2022 , 14, 363	3	0
122	An integrated study of wave attenuation by vegetation. <i>Wave Motion</i> , 2022 , 110, 102878	1.8	0
121	Modelling the morphodynamic evolution of Galveston beach, Gulf of Mexico, following Hurricane Ike in 2008. <i>Continental Shelf Research</i> , 2021 , 218, 104373	2.4	2
120	Wave overtopping of smooth impermeable seawalls under unidirectional bimodal sea conditions. <i>Coastal Engineering</i> , 2021 , 165, 103792	4.8	0
119	Modelling wave attenuation by quasi-flexible coastal vegetation. <i>Coastal Engineering</i> , 2021 , 164, 103820	4.8	10
118	Gravel Barrier Beach Morphodynamic Response to Extreme Conditions. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 135	2.4	5
117	The Impacts of a Subglacial Discharge Plume on Calving, Submarine Melting, and Mlange Mass Loss at Helheim Glacier, South East Greenland. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126, e2020JF005910	3.8	2
116	A new approach to analytical modelling of groyne fields. <i>Continental Shelf Research</i> , 2020 , 211, 104288	2.4	5
115	Reflection Analysis of Impermeable Slopes under Bimodal Sea Conditions. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 133	2.4	3
114	Future wave-climate driven longshore sediment transport along the Indian coast. <i>Climatic Change</i> , 2020 , 162, 405-424	4.5	3
113	A classification system for global wave energy resources based on multivariate clustering. <i>Applied Energy</i> , 2020 , 262, 114515	10.7	37
112	Experimental study on vegetation flexibility as control parameter for wave damping and velocity structure. <i>Coastal Engineering</i> , 2020 , 157, 103648	4.8	32
111	Experimental study of freak wave impacts on a tension-leg platform. <i>Marine Structures</i> , 2020 , 74, 102821	3.8	5
110	Spatial Variation in Coastal Dune Evolution in a High Tidal Range Environment. <i>Remote Sensing</i> , 2020 , 12, 3689	5	6
109	Effects of Swell on Wave Height Distribution of Energy-Conserved Bimodal Seas. <i>Journal of Marine Science and Engineering</i> , 2019 , 7, 79	2.4	5
108	Computational investigation of hydraulic performance variation with geometry in gabion stepped spillways. <i>Water Science and Engineering</i> , 2019 , 12, 62-72	4	4
107	Wave climate projections along the Indian coast. <i>International Journal of Climatology</i> , 2019 , 39, 4531-4542	3.5	17

106	Consistent Particle Method simulation of solitary wave impinging on and overtopping a seawall. <i>Engineering Analysis With Boundary Elements</i> , 2019 , 103, 160-171	2.6	21
105	3D modelling of the impacts of in-stream horizontal-axis Tidal Energy Converters (TECs) on offshore sandbank dynamics. <i>Applied Ocean Research</i> , 2019 , 91, 101882	3.4	11
104	Computational modelling of morphodynamic response of a macro-tidal beach to future climate variabilities. <i>Marine Geology</i> , 2019 , 415, 105960	3.3	7
103	Wave Overtopping in the UK During the Winter of 2013/14. <i>Lecture Notes in Civil Engineering</i> , 2019 , 13-23.3		
102	A Computational Investigation of Storm Impacts on Estuary Morphodynamics. <i>Journal of Marine Science and Engineering</i> , 2019 , 7, 421	2.4	2
101	Numerical modelling of hydrodynamic and morphodynamic response of a meso-tidal estuary inlet to the impacts of global climate variabilities. <i>Marine Geology</i> , 2019 , 407, 229-247	3.3	12
100	Free-surface long wave propagation over linear and parabolic transition shelves. <i>Water Science and Engineering</i> , 2018 , 11, 318-327	4	9
99	The Use of Unmanned Aerial Systems to Map Intertidal Sediment. <i>Remote Sensing</i> , 2018 , 10, 1918	5	10
98	Modelling shoreline evolution in the vicinity of a groyne and a river. <i>Continental Shelf Research</i> , 2017 , 132, 49-57	2.4	11
97	Modelling 3D hydrodynamics governing island-associated sandbanks in a proposed tidal stream energy site. <i>Applied Ocean Research</i> , 2017 , 66, 79-94	3.4	10
96	Modelling Extreme Wave Overtopping at Aberystwyth Promenade. <i>Water (Switzerland)</i> , 2017 , 9, 663	3	15
95	Causal Loop Analysis of coastal geomorphological systems. <i>Geomorphology</i> , 2016 , 256, 36-48	4.3	11
94	Two-dimensional reduced-physics model to describe historic morphodynamic behaviour of an estuary inlet. <i>Marine Geology</i> , 2016 , 382, 200-209	3.3	3
93	Investigation of wind and tidal forcing on stratified flows in Greenland fjords with TELEMAC-3D. <i>European Journal of Computational Mechanics</i> , 2016 , 25, 249-272	0.5	
92	Investigation of deep sea shelf sandbank dynamics driven by highly energetic tidal flows. <i>Marine Geology</i> , 2016 , 380, 245-263	3.3	3
91	Performance of a data-driven technique applied to changes in wave height and its effect on beach response. <i>Water Science and Engineering</i> , 2016 , 9, 42-51	4	2
90	Comparison between wave generation methods for numerical simulation of bimodal seas. <i>Water Science and Engineering</i> , 2016 , 9, 3-13	4	4
89	Data-driven and hybrid coastal morphological prediction methods for mesoscale forecasting. <i>Geomorphology</i> , 2016 , 256, 49-67	4.3	22

88	Fast Ensemble Forecast of Storm Surge along the Coast of China. <i>Journal of Coastal Research</i> , 2016 , 75, 1077-1081	0.6	4
87	Climate Change Impacts on Future Wave Climate around the UK. <i>Journal of Marine Science and Engineering</i> , 2016 , 4, 78	2.4	14
86	Linkages between sediment composition, wave climate and beach profile variability at multiple timescales. <i>Marine Geology</i> , 2016 , 381, 194-208	3.3	14
85	Discussion of Wave energy distribution and morphological development in and around the shadow zone of an embayed beach by C. J. Daly, K. R. Bryan & C. Winter, Coastal Engineering, Vol. 93, p. 40B4. <i>Coastal Engineering</i> , 2015 , 98, 31-32	4.8	1
84	Forecasts of seasonal to inter-annual beach change using a reduced physics beach profile model. <i>Marine Geology</i> , 2015 , 365, 14-20	3.3	0
83	Analysis of Climate Change Effects on Seawall Reliability. <i>Coastal Engineering Journal</i> , 2015 , 57, 1550010-18	2.8	1550010-18
82	APPLICATION OF A NOVEL DECISION SUPPORT SYSTEM TO ASSESS AND MANAGE COASTAL FLOOD RISK IN THE TEIGN ESTUARY, UK. <i>Coastal Engineering Proceedings</i> , 2015 , 1, 43	1.4	
81	A HYBRID-REDUCED PHYSICS MODELLING APPROACH APPLIED TO THE DEBEN ESTUARY, UK. <i>Coastal Engineering Proceedings</i> , 2015 , 1, 76	1.4	1
80	A hybrid beach morphology model applied to a high energy sandy beach. <i>Ocean Dynamics</i> , 2015 , 65, 1411-1422	1.4	22
79	Investigation of pressure variations over stepped spillways using smooth particle hydrodynamics. <i>Advances in Water Resources</i> , 2014 , 66, 52-69	4.7	18
78	Beach memory and ensemble prediction of shoreline evolution near a groyne. <i>Coastal Engineering</i> , 2014 , 86, 77-87	4.8	12
77	The effects of storm clustering on beach profile variability. <i>Marine Geology</i> , 2014 , 348, 103-112	3.3	94
76	On the stability of a class of shoreline planform models. <i>Coastal Engineering</i> , 2014 , 91, 76-83	4.8	4
75	Linking regional wave conditions to local beach profile change. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2014 , 167, 29-41	1.8	2
74	The SPR systems model as a conceptual foundation for rapid integrated risk appraisals: Lessons from Europe. <i>Coastal Engineering</i> , 2014 , 87, 15-31	4.8	32
73	A hybrid approach to model shoreline change at multiple timescales. <i>Continental Shelf Research</i> , 2013 , 66, 29-35	2.4	10
72	Computational modelling of coastal flooding caused by combined surge overflow and wave overtopping on embankments. <i>Journal of Flood Risk Management</i> , 2013 , 6, 70-84	3.1	8
71	Extreme value prediction via a quantile function model. <i>Coastal Engineering</i> , 2013 , 77, 91-98	4.8	12

70	Data-driven analysis of medium-term wave-seabed interactions at a non-tidal beach with multiple bars. <i>Marine Geology</i> , 2013 , 344, 144-154	3.3	3
69	Ensemble prediction of coastal flood risk arising from overtopping by linking meteorological, ocean, coastal and surf zone models. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013 , 139, 298-313	6.4	26
68	An integrated model system for coastal flood prediction with a case history for Walcott, UK, on 9 November 2007. <i>Journal of Flood Risk Management</i> , 2013 , 6, 229-252	3.1	13
67	Modelling beach-structure interaction using a Heaviside technique: application and validation. <i>Journal of Coastal Research</i> , 2013 , 65, 410-415	0.6	7
66	Application of a source-pathway-receptor-consequence (S-P-R-C) methodology to the Teign Estuary, UK. <i>Journal of Coastal Research</i> , 2013 , 165, 1939-1944	0.6	9
65	An analysis of the cross-shore beach morphodynamics of a sandy and a composite gravel beach. <i>Marine Geology</i> , 2012 , 299-302, 33-42	3.3	23
64	Prediction of cross-shore beach profile evolution using a diffusion type model. <i>Continental Shelf Research</i> , 2012 , 48, 157-166	2.4	6
63	Spectral quantification of nonlinear behaviour of the nearshore seabed and correlations with potential forcings at Duck, N.C., U.S.A. <i>PLoS ONE</i> , 2012 , 7, e39196	3.7	3
62	A Preconditioned Implicit Free-Surface Capture Scheme for Large Density Ratio on Tetrahedral Grids. <i>Communications in Computational Physics</i> , 2012 , 11, 215-248	2.4	7
61	Comment on Application of the parabolic bay shape equation to sand and gravel beaches on Mediterranean coasts by Schiaffino et al. (2011). <i>Coastal Engineering</i> , 2012 , 60, 336-337	4.8	1
60	Numerical simulation of overflow at vertical weirs using a hybrid level set/VOF method. <i>Advances in Water Resources</i> , 2011 , 34, 1320-1334	4.7	39
59	Modeling Floating Object Entry and Exit Using Smoothed Particle Hydrodynamics. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2011 , 137, 213-224	1.7	32
58	Analysis of key parameters in a diffusion type beach profile evolution model. <i>Continental Shelf Research</i> , 2011 , 31, 98-107	2.4	7
57	Shoreline evolution under climate change wave scenarios. <i>Climatic Change</i> , 2011 , 108, 73-105	4.5	30
56	Future wave climate over the west-European shelf seas. <i>Ocean Dynamics</i> , 2011 , 61, 807-827	2.3	16
55	A statistical-dynamical method for predicting estuary morphology. <i>Ocean Dynamics</i> , 2011 , 61, 1033-1044	2.3	9
54	An investigation of the impacts of climate change on wave energy generation: The Wave Hub, Cornwall, UK. <i>Renewable Energy</i> , 2011 , 36, 2404-2413	8.1	50
53	Discussion of Time-Dependent Risk Assessment of Combined Overtopping and Structural Failure for Reinforced Concrete Coastal Structures by C. Q. Li and J. M. Zhao. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2011 , 137, 210-211	1.7	1

52	Applying the Artificial Submerged Reefs techniques to reduce the Flooding Problems along the Alexandria Coastline 2010 , 188-199		
51	A novel coupled level set and volume of fluid method for sharp interface capturing on 3D tetrahedral grids. <i>Journal of Computational Physics</i> , 2010 , 229, 2573-2604	4.1	47
50	Probabilistic modelling of long-term beach evolution near segmented shore-parallel breakwaters. <i>Coastal Engineering</i> , 2010 , 57, 732-744	4.8	16
49	An investigation of the performance of a data-driven model on sand and shingle beaches. <i>Marine Geology</i> , 2010 , 274, 120-134	3.3	17
48	Diagnostic investigation of impulsive pressures induced by plunging breakers impinging on gravel beaches. <i>Coastal Engineering</i> , 2010 , 57, 252-266	4.8	19
47	Determination of wave shoreline dynamics on a macrotidal gravel beach using Canonical Correlation Analysis. <i>Coastal Engineering</i> , 2010 , 57, 290-303	4.8	17
46	Bayesian nonparametric quantile regression using splines. <i>Computational Statistics and Data Analysis</i> , 2010 , 54, 1138-1150	1.6	30
45	A note on the numerical solution of the one-line model. <i>Environmental Modelling and Software</i> , 2010 , 25, 802-807	5.2	7
44	A Level Set Immersed Boundary Method for Water Entry and Exit. <i>Communications in Computational Physics</i> , 2010 , 8, 265-288	2.4	52
43	Reply to: Pye, K., 2008. Discussion of: Karunarathna, H. and Reeve, D., 2008. A Boolean Approach to Prediction of Long-Term Evolution of Estuary Morphology. <i>Journal of Coastal Research</i> , 24(2B), 511-513; <i>Journal of Coastal Research</i> , 24(5), 1351-1352. <i>Journal of Coastal Research</i> , 2009 , 252, 523-525	0.6	
42	Stochastic Model for Embayed Beaches. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2009 , 135, 144-153	1.7	5
41	Parameterisation and transformation of wave asymmetries over a low-crested breakwater. <i>Coastal Engineering</i> , 2009 , 56, 1123-1132	4.8	24
40	Automated threshold selection methods for extreme wave analysis. <i>Coastal Engineering</i> , 2009 , 56, 1013-1021	4.8	88
39	Simulation of spilling breaking waves using a two phase flow CFD model. <i>Computers and Fluids</i> , 2009 , 38, 1995-2005	2.8	40
38	On the prediction of long-term morphodynamic response of estuarine systems to sea level rise and human interference. <i>Continental Shelf Research</i> , 2009 , 29, 938-950	2.4	20
37	Beach profile evolution as an inverse problem. <i>Continental Shelf Research</i> , 2009 , 29, 2234-2239	2.4	15
36	ENSEMBLE PREDICTION OF INUNDATION RISK AND UNCERTAINTY ARISING FROM SCOUR (EPIRUS) 2009 ,		3
35	Long-term morphodynamic evolution of estuaries: An inverse problem. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 77, 385-395	2.9	43

34	Statistical analysis and forecasts of long-term sandbank evolution at Great Yarmouth, UK. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 79, 387-399	2.9	22
33	An investigation of the link between beach morphology and wave climate at Duck, NC, USA. <i>Journal of Flood Risk Management</i> , 2008 , 1, 110-122	3.1	22
32	Extreme water levels of the Vistula River and Gdansk Harbour. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008 , 46, 235-245	1.9	8
31	A Boolean Approach to Prediction of Long-Term Evolution of Estuary Morphology. <i>Journal of Coastal Research</i> , 2008 , 2, 51-61	0.6	16
30	Semianalytical Solutions of Shoreline Response to Time-Varying Wave Conditions. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2008 , 134, 265-274	1.7	13
29	Transverse and Longitudinal Eigenfunction Analysis of a Navigation Channel Subject to Regular Dredgings: The Adour River Mouth, France. <i>Journal of Coastal Research</i> , 2008 , 1, 206-215	0.6	1
28	Numerical study of combined overflow and wave overtopping over a smooth impermeable seawall. <i>Coastal Engineering</i> , 2008 , 55, 155-166	4.8	56
27	Quantifying uncertainty in extreme values of design parameters with resampling techniques. <i>Ocean Engineering</i> , 2008 , 35, 1029-1038	3.9	19
26	Wave-impact characteristics of plunging breakers acting on gravel beaches. <i>Marine Geology</i> , 2008 , 253, 26-35	3.3	25
25	Morphodynamic behaviour of a nearshore sandbank system: The Great Yarmouth Sandbanks, U.K.. <i>Marine Geology</i> , 2008 , 254, 91-106	3.3	28
24	Ensemble Prediction of Inundation Risk and Uncertainty arising from Scour (EPIRUS) 2008 , 137-142		
23	An investigation of the multi-scale temporal variability of beach profiles at Duck using wavelet packet transforms. <i>Coastal Engineering</i> , 2007 , 54, 401-415	4.8	16
22	Modelling analysis of the sensitivity of shoreline change to a wave farm. <i>Ocean Engineering</i> , 2007 , 34, 884-901	3.9	107
21	Monitoring near-shore shingle transport under waves using a passive acoustic technique. <i>Journal of the Acoustical Society of America</i> , 2007 , 122, 737-46	2.2	14
20	Explicit Expression for Beach Response to Non-Stationary Forcing near a Groyne. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2006 , 132, 125-132	1.7	19
19	Simulation of wave overtopping by an incompressible SPH model. <i>Coastal Engineering</i> , 2006 , 53, 723-735	4.8	118
18	Multi-resolution analysis of nearshore hydrodynamics using discrete wavelet transforms. <i>Coastal Engineering</i> , 2005 , 52, 771-792	4.8	11
17	Multi-scale variability of beach profiles at Duck: A wavelet analysis. <i>Coastal Engineering</i> , 2005 , 52, 1133-1143	4.83	27

16	Evolution of shoreline position moments. <i>Coastal Engineering</i> , 2004 , 51, 661-673	4.8	18
15	Numerical Study for Small Negative Freeboard Wave Overtopping and Overflow of Sloping Sea Wall 2004 , 643		5
14	Source Reconstruction in a Coastal Evolution Equation. <i>Journal of Computational Physics</i> , 2000 , 161, 169-181	4.1	13
13	Recovery of a Variable Coefficient in a Coastal Evolution Equation. <i>Journal of Computational Physics</i> , 1999 , 151, 585-596	4.1	10
12	Coastal Flood Risk Assessment. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1998 , 124, 219-228	1.7	20
11	A statistical-dynamical method for predicting long term coastal evolution. <i>Coastal Engineering</i> , 1997 , 30, 259-280	4.8	31
10	Numerical solution of the elliptic mild-slope equation for irregular wave propagation. <i>Coastal Engineering</i> , 1993 , 20, 85-100	4.8	14
9	Numerical Solution of the Second Moment Equation for Waves in an Inhomogeneous Waveguide. <i>Journal of Modern Optics</i> , 1992 , 39, 1343-1352	1.1	1
8	Bathymetric generation of an angular wave spectrum. <i>Wave Motion</i> , 1992 , 16, 217-228	1.8	4
7	Simulation of bioecological and water quality processes in enclosed coastal seas. <i>Marine Pollution Bulletin</i> , 1991 , 23, 259-263	6.7	
6	Numerical Solution of the Fourth-moment Equation for a Point Source. <i>Journal of Modern Optics</i> , 1990 , 37, 965-975	1.1	6
5	Solution of the Fourth-moment Equation by an Adaptive Grid Method. <i>Journal of Modern Optics</i> , 1990 , 37, 5-12	1.1	5
4	The effect of ocean inhomogeneities on array output. <i>Journal of the Acoustical Society of America</i> , 1990 , 87, 2527-2534	2.2	17
3	Coastal Engineering		15
2	Handling Uncertainty in Coastal Modelling 336-356		1
1	Imaging Subsurface Structures at Fast Eroding Coastal Areas in Northern Bengkulu Using 2D Seismic MASW Method. <i>Earth Systems and Environment</i> , 1	7.5	