

Dominic E Reeve

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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 overtopping by an incompressible SPH model. <i>Coastal Engineering</i> , 2006 , 53, 723-735 | 4.8 | 118 |
| 122 | Modelling analysis of the sensitivity of shoreline change to a wave farm. <i>Ocean Engineering</i> , 2007 , 34, 884-901 | 3.9 | 107 |
| 121 | The effects of storm clustering on beach profile variability. <i>Marine Geology</i> , 2014 , 348, 103-112 | 3.3 | 94 |
| 120 | Automated threshold selection methods for extreme wave analysis. <i>Coastal Engineering</i> , 2009 , 56, 1013-1021 | 4.21 | 88 |
| 119 | Numerical study of combined overflow and wave overtopping over a smooth impermeable seawall. <i>Coastal Engineering</i> , 2008 , 55, 155-166 | 4.8 | 56 |
| 118 | A Level Set Immersed Boundary Method for Water Entry and Exit. <i>Communications in Computational Physics</i> , 2010 , 8, 265-288 | 2.4 | 52 |
| 117 | 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 |
| 116 | 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 |
| 115 | Long-term morphodynamic evolution of estuaries: An inverse problem. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 77, 385-395 | 2.9 | 43 |
| 114 | Simulation of spilling breaking waves using a two phase flow CFD model. <i>Computers and Fluids</i> , 2009 , 38, 1995-2005 | 2.8 | 40 |
| 113 | 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 |
| 112 | A classification system for global wave energy resources based on multivariate clustering. <i>Applied Energy</i> , 2020 , 262, 114515 | 10.7 | 37 |
| 111 | Experimental study on vegetation flexibility as control parameter for wave damping and velocity structure. <i>Coastal Engineering</i> , 2020 , 157, 103648 | 4.8 | 32 |
| 110 | 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 |
| 109 | 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 |
| 108 | A statistical-dynamical method for predicting long term coastal evolution. <i>Coastal Engineering</i> , 1997 , 30, 259-280 | 4.8 | 31 |
| 107 | Shoreline evolution under climate change wave scenarios. <i>Climatic Change</i> , 2011 , 108, 73-105 | 4.5 | 30 |

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| 106 | Bayesian nonparametric quantile regression using splines. <i>Computational Statistics and Data Analysis</i> , 2010 , 54, 1138-1150 | 1.6 | 30 |
| 105 | Morphodynamic behaviour of a nearshore sandbank system: The Great Yarmouth Sandbanks, U.K.. <i>Marine Geology</i> , 2008 , 254, 91-106 | 3.3 | 28 |
| 104 | Multi-scale variability of beach profiles at Duck: A wavelet analysis. <i>Coastal Engineering</i> , 2005 , 52, 1133-1183 | 4.8 | 27 |
| 103 | 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 |
| 102 | Wave-impact characteristics of plunging breakers acting on gravel beaches. <i>Marine Geology</i> , 2008 , 253, 26-35 | 3.3 | 25 |
| 101 | Parameterisation and transformation of wave asymmetries over a low-crested breakwater. <i>Coastal Engineering</i> , 2009 , 56, 1123-1132 | 4.8 | 24 |
| 100 | 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 |
| 99 | Data-driven and hybrid coastal morphological prediction methods for mesoscale forecasting. <i>Geomorphology</i> , 2016 , 256, 49-67 | 4.3 | 22 |
| 98 | 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 |
| 97 | 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 |
| 96 | 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 |
| 95 | 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 |
| 94 | Coastal Flood Risk Assessment. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1998 , 124, 219-228 | 1.7 | 20 |
| 93 | Diagnostic investigation of impulsive pressures induced by plunging breakers impinging on gravel beaches. <i>Coastal Engineering</i> , 2010 , 57, 252-266 | 4.8 | 19 |
| 92 | Quantifying uncertainty in extreme values of design parameters with resampling techniques. <i>Ocean Engineering</i> , 2008 , 35, 1029-1038 | 3.9 | 19 |
| 91 | 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 |
| 90 | Investigation of pressure variations over stepped spillways using smooth particle hydrodynamics. <i>Advances in Water Resources</i> , 2014 , 66, 52-69 | 4.7 | 18 |
| 89 | Evolution of shoreline position moments. <i>Coastal Engineering</i> , 2004 , 51, 661-673 | 4.8 | 18 |

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| 88 | Wave climate projections along the Indian coast. <i>International Journal of Climatology</i> , 2019 , 39, 4531-4542 | 3.5 | 17 |
| 87 | 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 |
| 86 | 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 |
| 85 | The effect of ocean inhomogeneities on array output. <i>Journal of the Acoustical Society of America</i> , 1990 , 87, 2527-2534 | 2.2 | 17 |
| 84 | Future wave climate over the west-European shelf seas. <i>Ocean Dynamics</i> , 2011 , 61, 807-827 | 2.3 | 16 |
| 83 | Probabilistic modelling of long-term beach evolution near segmented shore-parallel breakwaters. <i>Coastal Engineering</i> , 2010 , 57, 732-744 | 4.8 | 16 |
| 82 | 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 |
| 81 | 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 |
| 80 | Modelling Extreme Wave Overtopping at Aberystwyth Promenade. <i>Water (Switzerland)</i> , 2017 , 9, 663 | 3 | 15 |
| 79 | Beach profile evolution as an inverse problem. <i>Continental Shelf Research</i> , 2009 , 29, 2234-2239 | 2.4 | 15 |
| 78 | Coastal Engineering | | 15 |
| 77 | 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 |
| 76 | Numerical solution of the elliptic mild-slope equation for irregular wave propagation. <i>Coastal Engineering</i> , 1993 , 20, 85-100 | 4.8 | 14 |
| 75 | Climate Change Impacts on Future Wave Climate around the UK. <i>Journal of Marine Science and Engineering</i> , 2016 , 4, 78 | 2.4 | 14 |
| 74 | Linkages between sediment composition, wave climate and beach profile variability at multiple timescales. <i>Marine Geology</i> , 2016 , 381, 194-208 | 3.3 | 14 |
| 73 | 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 |
| 72 | 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 |
| 71 | Source Reconstruction in a Coastal Evolution Equation. <i>Journal of Computational Physics</i> , 2000 , 161, 169-181 | 4.1 | 13 |

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| 70 | Analysis of Climate Change Effects on Seawall Reliability. <i>Coastal Engineering Journal</i> , 2015 , 57, 1550010-18 | 4.8 | 12 |
| 69 | Beach memory and ensemble prediction of shoreline evolution near a groyne. <i>Coastal Engineering</i> , 2014 , 86, 77-87 | 4.8 | 12 |
| 68 | Extreme value prediction via a quantile function model. <i>Coastal Engineering</i> , 2013 , 77, 91-98 | 4.8 | 12 |
| 67 | 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 |
| 66 | Causal Loop Analysis of coastal geomorphological systems. <i>Geomorphology</i> , 2016 , 256, 36-48 | 4.3 | 11 |
| 65 | Modelling shoreline evolution in the vicinity of a groyne and a river. <i>Continental Shelf Research</i> , 2017 , 132, 49-57 | 2.4 | 11 |
| 64 | 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 |
| 63 | Multi-resolution analysis of nearshore hydrodynamics using discrete wavelet transforms. <i>Coastal Engineering</i> , 2005 , 52, 771-792 | 4.8 | 11 |
| 62 | A hybrid approach to model shoreline change at multiple timescales. <i>Continental Shelf Research</i> , 2013 , 66, 29-35 | 2.4 | 10 |
| 61 | 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 |
| 60 | Recovery of a Variable Coefficient in a Coastal Evolution Equation. <i>Journal of Computational Physics</i> , 1999 , 151, 585-596 | 4.1 | 10 |
| 59 | Modelling wave attenuation by quasi-flexible coastal vegetation. <i>Coastal Engineering</i> , 2021 , 164, 103820 | 4.8 | 10 |
| 58 | The Use of Unmanned Aerial Systems to Map Intertidal Sediment. <i>Remote Sensing</i> , 2018 , 10, 1918 | 5 | 10 |
| 57 | 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 |
| 56 | A statistical-dynamical method for predicting estuary morphology. <i>Ocean Dynamics</i> , 2011 , 61, 1033-1044 | 2.3 | 9 |
| 55 | Free-surface long wave propagation over linear and parabolic transition shelves. <i>Water Science and Engineering</i> , 2018 , 11, 318-327 | 4 | 9 |
| 54 | 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 |
| 53 | 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 |

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| 52 | Computational modelling of morphodynamic response of a macro-tidal beach to future climate variabilities. <i>Marine Geology</i> , 2019 , 415, 105960 | 3.3 | 7 |
| 51 | 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 |
| 50 | Modelling beach-structure interaction using a Heaviside technique: application and validation. <i>Journal of Coastal Research</i> , 2013 , 65, 410-415 | 0.6 | 7 |
| 49 | Analysis of key parameters in a diffusion type beach profile evolution model. <i>Continental Shelf Research</i> , 2011 , 31, 98-107 | 2.4 | 7 |
| 48 | A note on the numerical solution of the one-line model. <i>Environmental Modelling and Software</i> , 2010 , 25, 802-807 | 5.2 | 7 |
| 47 | Prediction of cross-shore beach profile evolution using a diffusion type model. <i>Continental Shelf Research</i> , 2012 , 48, 157-166 | 2.4 | 6 |
| 46 | Numerical Solution of the Fourth-moment Equation for a Point Source. <i>Journal of Modern Optics</i> , 1990 , 37, 965-975 | 1.1 | 6 |
| 45 | Spatial Variation in Coastal Dune Evolution in a High Tidal Range Environment. <i>Remote Sensing</i> , 2020 , 12, 3689 | 5 | 6 |
| 44 | 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 |
| 43 | A new approach to analytical modelling of groyne fields. <i>Continental Shelf Research</i> , 2020 , 211, 104288 | 2.4 | 5 |
| 42 | Stochastic Model for Embayed Beaches. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2009 , 135, 144-153 | 1.7 | 5 |
| 41 | Numerical Study for Small Negative Freeboard Wave Overtopping and Overflow of Sloping Sea Wall 2004 , 643 | | 5 |
| 40 | Solution of the Fourth-moment Equation by an Adaptive Grid Method. <i>Journal of Modern Optics</i> , 1990 , 37, 5-12 | 1.1 | 5 |
| 39 | Experimental study of freak wave impacts on a tension-leg platform. <i>Marine Structures</i> , 2020 , 74, 102821 | 3.8 | 5 |
| 38 | Gravel Barrier Beach Morphodynamic Response to Extreme Conditions. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 135 | 2.4 | 5 |
| 37 | Computational investigation of hydraulic performance variation with geometry in gabion stepped spillways. <i>Water Science and Engineering</i> , 2019 , 12, 62-72 | 4 | 4 |
| 36 | Comparison between wave generation methods for numerical simulation of bimodal seas. <i>Water Science and Engineering</i> , 2016 , 9, 3-13 | 4 | 4 |
| 35 | On the stability of a class of shoreline planform models. <i>Coastal Engineering</i> , 2014 , 91, 76-83 | 4.8 | 4 |

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| 34 | Bathymetric generation of an angular wave spectrum. <i>Wave Motion</i> , 1992 , 16, 217-228 | 1.8 | 4 |
| 33 | Fast Ensemble Forecast of Storm Surge along the Coast of China. <i>Journal of Coastal Research</i> , 2016 , 75, 1077-1081 | 0.6 | 4 |
| 32 | Reflection Analysis of Impermeable Slopes under Bimodal Sea Conditions. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 133 | 2.4 | 3 |
| 31 | Future wave-climate driven longshore sediment transport along the Indian coast. <i>Climatic Change</i> , 2020 , 162, 405-424 | 4.5 | 3 |
| 30 | 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 |
| 29 | Investigation of deep sea shelf sandbank dynamics driven by highly energetic tidal flows. <i>Marine Geology</i> , 2016 , 380, 245-263 | 3.3 | 3 |
| 28 | Data-driven analysis of medium-term wave-beach interactions at a non-tidal beach with multiple bars. <i>Marine Geology</i> , 2013 , 344, 144-154 | 3.3 | 3 |
| 27 | 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 |
| 26 | ENSEMBLE PREDICTION OF INUNDATION RISK AND UNCERTAINTY ARISING FROM SCOUR (EPIRUS) 2009 , | | 3 |
| 25 | 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 |
| 24 | A hybrid beach morphology model applied to a high energy sandy beach. <i>Ocean Dynamics</i> , 2015 , 65, 1411-1422 | 1.3 | 2 |
| 23 | 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 |
| 22 | 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 |
| 21 | A Computational Investigation of Storm Impacts on Estuary Morphodynamics. <i>Journal of Marine Science and Engineering</i> , 2019 , 7, 421 | 2.4 | 2 |
| 20 | The Impacts of a Subglacial Discharge Plume on Calving, Submarine Melting, and Meltwater Mass Loss at Helheim Glacier, South East Greenland. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126, e2020JF005910 | 3.8 | 2 |
| 19 | 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. 40-44. <i>Coastal Engineering</i> , 2015 , 98, 31-32 | 4.8 | 1 |
| 18 | A HYBRID-REDUCED PHYSICS MODELLING APPROACH APPLIED TO THE DEBEN ESTUARY, UK. <i>Coastal Engineering Proceedings</i> , 2015 , 1, 76 | 1.4 | 1 |
| 17 | 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 |

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| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | Handling Uncertainty in Coastal Modelling 336-356 | | 1 |
| 12 | 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 |
| 11 | An integrated study of wave attenuation by vegetation. <i>Wave Motion</i> , 2022 , 110, 102878 | 1.8 | 0 |
| 10 | 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 | |
| 9 | 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 | |
| 8 | Reply to: Pye, K., 2008. Discussion of: Karunaratna, 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 | |
| 7 | Applying the Artificial Submerged Reefs techniques to reduce the Flooding Problems along the Alexandria Coastline 2010 , 188-199 | | |
| 6 | Simulation of bioecological and water quality processes in enclosed coastal seas. <i>Marine Pollution Bulletin</i> , 1991 , 23, 259-263 | 6.7 | |
| 5 | Simulation of Wave Time Series with a Vector Autoregressive Method. <i>Water (Switzerland)</i> , 2022 , 14, 363 | 3 | |
| 4 | Wave Overtopping in the UK During the Winter of 2013/14. <i>Lecture Notes in Civil Engineering</i> , 2019 , 13-28. 3 | | |
| 3 | Ensemble Prediction of Inundation Risk and Uncertainty arising from Scour (EPIRUS) 2008 , 137-142 | | |
| 2 | Wave overtopping of smooth impermeable seawalls under unidirectional bimodal sea conditions. <i>Coastal Engineering</i> , 2021 , 165, 103792 | 4.8 | |
| 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 | |