

# Michael G Hughes

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,495  
citations

201658

27  
h-index

214788

47  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Field investigation of sediment transport in the swash zone. <i>Continental Shelf Research</i> , 1998, 18, 1179-1199.	1.8	190
2	National-scale wave energy resource assessment for Australia. <i>Renewable Energy</i> , 2010, 35, 1783-1791.	8.9	178
3	Flow velocity and sediment transport in the swash zone of a steep beach. <i>Marine Geology</i> , 1997, 138, 91-103.	2.1	132
4	SEDIMENTOLOGY AND STRATIGRAPHY OF A TIDE-DOMINATED, FORELAND-BASIN DELTA (FLY RIVER, PAPUA) Tj ETQq0 0 0 rgBT/Overloc 124		
5	Settling velocity of sediments at high concentrations. <i>Coastal Engineering</i> , 2004, 51, 91-100.	4.0	118
6	Suspended sediment transport in the swash zone of a dissipative beach. <i>Marine Geology</i> , 2005, 216, 169-189.	2.1	108
7	Sediment transport in distributary channels and its export to the pro-deltaic environment in a tidally dominated delta: Fly River, Papua New Guinea. <i>Continental Shelf Research</i> , 2004, 24, 2431-2454.	1.8	88
8	Sediment suspension and turbulence in the swash zone of dissipative beaches. <i>Marine Geology</i> , 2006, 228, 117-135.	2.1	86
9	Sediment transport on dissipative, intermediate and reflective beaches. <i>Earth-Science Reviews</i> , 2013, 124, 32-50.	9.1	81
10	Beach face and berm morphodynamics fronting a coastal lagoon. <i>Geomorphology</i> , 2006, 82, 331-346.	2.6	80
11	Coastal Wetland Mapping Using Ensemble Learning Algorithms: A Comparative Study of Bagging, Boosting and Stacking Techniques. <i>Remote Sensing</i> , 2020, 12, 1683.	4.0	72
12	Swash overtopping and sediment overwash on a truncated beach. <i>Coastal Engineering</i> , 2005, 52, 633-645.	4.0	68
13	Breaker turbulence and sediment suspension in the surf zone. <i>Marine Geology</i> , 2010, 271, 250-259.	2.1	61
14	Eulerian flow velocities in the swash zone: Field data and model predictions. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	60
15	Quantifying wave exposure in shallow temperate reef systems: applicability of fetch models for predicting algal biodiversity. <i>Marine Ecology - Progress Series</i> , 2010, 417, 83-95.	1.9	59
16	Field observations of instantaneous water slopes and horizontal pressure gradients in the swash-zone. <i>Continental Shelf Research</i> , 2006, 26, 574-588.	1.8	58
17	Spectral signatures for swash on reflective, intermediate and dissipative beaches. <i>Marine Geology</i> , 2014, 355, 88-97.	2.1	57
18	Hydrodynamics and Sediment Fluxes across an Onshore Migrating Intertidal Bar. <i>Journal of Coastal Research</i> , 2006, 222, 247-259.	0.3	53

#	ARTICLE	IF	CITATIONS
19	Hydraulic Sorting of Heavy-Mineral Grains by Swash on a Medium-Sand Beach. <i>Journal of Sedimentary Research</i> , 2000, 70, 994-1004.	1.6	52
20	Hydrokinematic regions within the swash zone. <i>Continental Shelf Research</i> , 2007, 27, 2000-2013.	1.8	51
21	Morphodynamic evolution of a coastal lagoon entrance during swash overwash. <i>Geomorphology</i> , 2008, 95, 398-411.	2.6	49
22	Sediment transport processes and morphodynamics on a reflective beach under storm and non-storm conditions. <i>Marine Geology</i> , 2012, 326-328, 154-165.	2.1	44
23	An Introduction to Coastal Processes and Geomorphology. , 0, , .		42
24	Tidally incised valleys on tropical carbonate shelves: An example from the northern Great Barrier Reef, Australia. <i>Marine Geology</i> , 2005, 220, 181-204.	2.1	38
25	Nearshore wave height variation in unsaturated surf. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
26	Dynamics of the turbidity maximum zone in a micro-tidal estuary: Hawkesbury River, Australia. <i>Sedimentology</i> , 1998, 45, 397-410.	3.1	32
27	Suspended Sediment in the Swash Zone: Heuristic Analysis of Spatial and Temporal Variations in Concentration. <i>Journal of Coastal Research</i> , 2007, 236, 1345-1354.	0.3	31
28	Predicted benthic disturbance regimes on the Australian continental shelf: a modelling approach. <i>Marine Ecology - Progress Series</i> , 2012, 449, 13-25.	1.9	30
29	Imbricate and fitted fabrics in coastal boulder deposits on the Australian east coast. <i>Geology</i> , 1989, 17, 544.	4.4	28
30	Probability distributions for wave runup on beaches. <i>Coastal Engineering</i> , 2010, 57, 575-584.	4.0	28
31	Introduction to Coastal Processes and Geomorphology. , 0, , .		28
32	The morphology of barchan-shaped sand banks from western Torres Strait, northern Australia. <i>Sedimentary Geology</i> , 2007, 202, 638-652.	2.1	26
33	Estuarine shoreline processes in a dynamic low-energy system. <i>Ocean Dynamics</i> , 2010, 60, 285-298.	2.2	25
34	Berm formation and dynamics on a gently sloping beach; the effect of water level and swash overtopping. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1533-1546.	2.5	22
35	Equilibrium shoreface profiles: A sediment transport approach. <i>Marine Geology</i> , 2017, 390, 321-330.	2.1	20
36	Field observations of nearshore bar formation. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1021-1032.	2.5	19

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37	Observations of offshore bar decay: Sediment budgets and the role of lower shoreface processes. <i>Continental Shelf Research</i> , 2010, 30, 1497-1510.	1.8	19
38	The potential impact of bedform migration on seagrass communities in Torres Strait, northern Australia. <i>Continental Shelf Research</i> , 2008, 28, 2188-2202.	1.8	16
39	Saline wetland extents and tidal inundation regimes on a micro-tidal coast, New South Wales, Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 227, 106297.	2.1	16
40	Selective Entrainment of Sediment Graded by Size and Density Under Waves. <i>Journal of Sedimentary Research</i> , 2003, 73, 906-911.	1.6	15
41	Biogeography of the Lord Howe Rise region, Tasman Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 959-969.	1.4	14
42	Inundation characteristics of mangrove and saltmarsh in micro-tidal estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 261, 107553.	2.1	14
43	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.	2.8	13
44	Form drag is a major component of bed shear stress associated with tidal flow in the vicinity of an isolated sand bank, Torres Strait, northern Australia. <i>Continental Shelf Research</i> , 2008, 28, 2203-2213.	1.8	11
45	A novel method for tracking individual waves in the surf zone. <i>Coastal Engineering</i> , 2015, 98, 26-30.	4.0	10
46	Mapping Wetland Types in Semiarid Floodplains: A Statistical Learning Approach. <i>Remote Sensing</i> , 2019, 11, 609.	4.0	9
47	Rip Currents: Observations of Hydraulic Gradients, Friction Factors and Wave Pump Efficiency. , 2001, , 483.		7
48	Wave Height Distributions in the Surf Zone on Natural Beaches. <i>Journal of Coastal Research</i> , 2016, 75, 917-921.	0.3	7
49	An Eco-Morphodynamic Modelling Approach to Estuarine Hydrodynamics & Wetlands in Response to Sea-Level Rise. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	7
50	Field Observations of Instantaneous Cross-Shore Free Surface Profiles and Flow Depths in the Swash Zone. , 2006, , 1.		6
51	Shoreline Implications of Flood-Tide Delta Morphodynamics: The Case of Port Stephens (SE Australia). , 2007, , 1417.		6
52	Building a national wetland inventory: a review and roadmap to move forward. <i>Wetlands Ecology and Management</i> , 2018, 26, 805-827.	1.5	6
53	Wave Period and Grain Size Controls on Short-Wave Suspended Sediment Transport Under Shoaling and Breaking Waves. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 3124-3142.	2.8	6
54	Sediment Transport Numerical Modelling in the Swash Zone. , 2006, , 1.		5

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55	Surf Zone Turbulence and Suspended Sediment Dynamics—A Review. Journal of Marine Science and Engineering, 2021, 9, 1300.	2.6	5
56	Coastal Wetland Responses to Sea Level Rise: The Losers and Winners Based on Hydro-Geomorphological Settings. Remote Sensing, 2022, 14, 1888.	4.0	5
57	Random Forest Classification Method for Predicting Intertidal Wetland Migration Under Sea Level Rise. Frontiers in Environmental Science, 0, 10, .	3.3	5
58	Swash saturation: an assessment of available models. Ocean Dynamics, 2018, 68, 911-922.	2.2	4
59	Measurement of Groundwater and Swash Interactions on a Sandy Beach. , 2006, , 1.		3
60	Sediment flux in a rip channel on a barred intermediate beach under low wave energy. , 2009, , .		3
61	Intertidal wetland geomorphology influences main channel hydrodynamics in a mature barrier estuary. Estuarine, Coastal and Shelf Science, 2022, 267, 107783.	2.1	3
62	A HYBRID MODEL OF SWASH-ZONE LONGSHORE SEDIMENT TRANSPORT ON REFLECTIVE BEACHES. Coastal Engineering Proceedings, 2011, , 29.	0.1	2
63	The swash zone. , 2020, , 155-186.		1
64	Field measurements of shear stress and friction in the surf zone. Earth Surface Processes and Landforms, 2021, 46, 385-398.	2.5	1
65	Berm Development and Lagoon Closure on a Gently Sloping Beach. , 2006, , 1.		0