

# Marcel J F Stive

## List of Publications by Year in descending order

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151  
papers

6,538  
citations

50244

46  
h-index

69214

77  
g-index

155  
all docs

155  
docs citations

155  
times ranked

3982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bar�generating cross�shore flow mechanisms on a beach. Journal of Geophysical Research, 1989, 94, 4785-4800.	3.3	334
2	Approaches to long-term modelling of coastal morphology: A review. Coastal Engineering, 1993, 21, 225-269.	1.7	245
3	Variability of shore and shoreline evolution. Coastal Engineering, 2002, 47, 211-235.	1.7	244
4	A New Alternative to Saving Our Beaches from Sea-Level Rise: The Sand Engine. Journal of Coastal Research, 2013, 290, 1001-1008.	0.1	229
5	A summary of European experience with shore nourishment. Coastal Engineering, 2002, 47, 237-264.	1.7	223
6	Estimating coastal recession due to sea level rise: beyond the Bruun rule. Climatic Change, 2012, 110, 561-574.	1.7	189
7	Modelling shoreface profile evolution. Marine Geology, 1995, 126, 235-248.	0.9	180
8	Laboratory study on wave dissipation by vegetation in combined current�wave flow. Coastal Engineering, 2014, 88, 131-142.	1.7	160
9	Initial spreading of a mega feeder nourishment: Observations of the Sand Engine pilot project. Coastal Engineering, 2016, 111, 23-38.	1.7	156
10	Impact of sea-level rise on the morphological equilibrium state of tidal inlets. Marine Geology, 2003, 202, 211-227.	0.9	154
11	A study of radiation stress and set-up in the nearshore region. Coastal Engineering, 1982, 6, 1-25.	1.7	142
12	Hydrodynamic forcing on salt-marsh development: Distinguishing the relative importance of waves and tidal flows. Estuarine, Coastal and Shelf Science, 2010, 89, 73-88.	0.9	142
13	Controls on river delta formation; insights from numerical modelling. Earth and Planetary Science Letters, 2011, 302, 217-226.	1.8	133
14	Climate-change impact assessment for inlet-interrupted coastlines. Nature Climate Change, 2013, 3, 83-87.	8.1	126
15	Short-term mudflat dynamics drive long-term cyclic salt marsh dynamics. Limnology and Oceanography, 2016, 61, 2261-2275.	1.6	126
16	How Important is Global Warming for Coastal Erosion?. Climatic Change, 2004, 64, 27-39.	1.7	116
17	Cross-shore mean flow in the surf zone. Coastal Engineering, 1986, 10, 325-340.	1.7	114
18	Morphodynamic upscaling with the MORFAC approach: Dependencies and sensitivities. Coastal Engineering, 2011, 58, 806-811.	1.7	114

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19	Living with Sea-Level Rise and Climate Change: A Case Study of the Netherlands. <i>Journal of Coastal Research</i> , 2008, 242, 367-379.	0.1	113
20	Quasi-3D modelling of nearshore currents. <i>Coastal Engineering</i> , 1987, 11, 565-601.	1.7	112
21	Holocene evolution of the coast of Holland. <i>Marine Geology</i> , 1992, 103, 423-443.	0.9	112
22	Windows of opportunity for salt marsh vegetation establishment on bare tidal flats: The importance of temporal and spatial variability in hydrodynamic forcing. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1450-1469.	1.3	112
23	Nourishing the shoreface: observations and hindcasting of the Egmond case, The Netherlands. <i>Coastal Engineering</i> , 2004, 51, 813-837.	1.7	107
24	Dutch coasts in transition. <i>Nature Geoscience</i> , 2009, 2, 450-452.	5.4	106
25	Numerical modelling of shoal pattern formation in well-mixed elongated estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 57, 981-991.	0.9	101
26	The initial morphological response of the Sand Engine: A process-based modelling study. <i>Coastal Engineering</i> , 2017, 119, 1-14.	1.7	95
27	Morphodynamics of the Wadden Sea and its barrier island system. <i>Ocean and Coastal Management</i> , 2012, 68, 39-57.	2.0	93
28	Addressing the challenges of climate change risks and adaptation in coastal areas: A review. <i>Coastal Engineering</i> , 2020, 156, 103611.	1.7	93
29	Rising seas and retreating coastlines. <i>Climatic Change</i> , 2009, 97, 465-468.	1.7	91
30	Human impacts on morphodynamic thresholds in estuarine systems. <i>Continental Shelf Research</i> , 2015, 111, 174-183.	0.9	89
31	Coastal Mangrove Squeeze in the Mekong Delta. <i>Journal of Coastal Research</i> , 2015, 300, 233-243.	0.1	88
32	Energy dissipation in waves breaking on gentle slopes. <i>Coastal Engineering</i> , 1984, 8, 99-127.	1.7	86
33	Remote sensing of surf zone waves using stereo imaging. <i>Coastal Engineering</i> , 2011, 58, 239-250.	1.7	72
34	Estuarine morphodynamics. <i>Coastal Engineering</i> , 2004, 51, 765-778.	1.7	66
35	Field and model data analysis of sand transport patterns in Texel Tidal inlet (the Netherlands). <i>Coastal Engineering</i> , 2006, 53, 505-529.	1.7	66
36	Morphological response of tidal basins to human interventions. <i>Coastal Engineering</i> , 2004, 51, 207-221.	1.7	63

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37	Re-evaluation and improvement of three commonly used bulk longshore sediment transport formulas. Coastal Engineering, 2013, 75, 29-39.	1.7	63
38	Holocene storm surge signatures in the coastal dunes of the western Netherlands. Marine Geology, 1995, 125, 95-110.	0.9	59
39	Nourishment design and evaluation: applicability of model concepts. Coastal Engineering, 2002, 47, 113-135.	1.7	58
40	Predicting long-term and short-term tidal flat morphodynamics using a dynamic equilibrium theory. Journal of Geophysical Research F: Earth Surface, 2015, 120, 1803-1823.	1.0	58
41	Shoreline evolution of the Holland coast on a decadal scale. Earth Surface Processes and Landforms, 1999, 24, 517-536.	1.2	57
42	Modeling of a mixed-load fluvio-deltaic system. Geophysical Research Letters, 2010, 37, .	1.5	55
43	Ebb and Flood Channel Systems in the Netherlands Tidal Waters1. Journal of Coastal Research, 2005, 216, 1107-1120.	0.1	54
44	Wave climate, coastal sediment budget and shoreline changes for the Danube Delta. Marine Geology, 2009, 262, 39-49.	0.9	52
45	Assessment of extreme drought and human interference on baseflow of the Yangtze River. Hydrological Processes, 2010, 24, 749-757.	1.1	52
46	A scale comparison of waves breaking on a beach. Coastal Engineering, 1985, 9, 151-158.	1.7	50
47	Sea-level rise and shore nourishment: a discussion. Coastal Engineering, 1991, 16, 147-163.	1.7	48
48	Unusual Salinity Conditions in the Yangtze Estuary in 2006: Impacts of an Extreme Drought or of the Three Gorges Dam?. Ambio, 2011, 40, 496-505.	2.8	41
49	Processes controlling the development of a river mouth spit. Marine Geology, 2011, 280, 116-129.	0.9	40
50	Is the Three Gorges Dam the cause behind the extremely low suspended sediment discharge into the Yangtze (Changjiang) Estuary of 2006?. Hydrological Sciences Journal, 2011, 56, 1280-1288.	1.2	36
51	Tidal Inlet Dynamics in Response to Human Intervention. Coastal Engineering Journal, 2003, 45, 629-658.	0.7	33
52	Chapter 13 Morphodynamic modeling of tidal basins and coastal inlets. Elsevier Oceanography Series, 2003, , 367-392.	0.1	31
53	Numerical modeling of vegetation-induced dissipation using an extended mild-slope equation. Ocean Engineering, 2015, 110, 258-269.	1.9	31
54	Cross-sectional stability of tidal inlets: A comparison between numerical and empirical approaches. Coastal Engineering, 2012, 60, 21-29.	1.7	28

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55	Experiment inspired numerical modeling of sediment concentration over sand-silt mixtures. Coastal Engineering, 2015, 105, 75-89.	1.7	27
56	Uncertainty in the application of the Parabolic Bay Shape Equation: Part 1. Coastal Engineering, 2010, 57, 132-141.	1.7	26
57	Impacts of sea-level rise on the Ebro Delta: a first approach. Ocean and Coastal Management, 1996, 30, 197-216.	2.0	24
58	Trends in Sea-Level Trend Analysis. Journal of Coastal Research, 2012, 280, 311-315.	0.1	24
59	Process-Based Morphodynamic Modeling of a Schematized Mudflat Dominated by a Long-Shore Tidal Current at the Central Jiangsu Coast, China. Journal of Coastal Research, 2012, 285, 1381-1392.	0.1	24
60	Exchange Processes Induced by Large Horizontal Coherent Structures in Floodplain Vegetated Channels. Water Resources Research, 2019, 55, 2014-2032.	1.7	24
61	Exploratory morphodynamic modeling of the evolution of the Jiangsu coast, China, since 1855: Contributions of old Yellow River-derived sediment. Marine Geology, 2017, 390, 306-320.	0.9	22
62	Estuary schematisation in behaviour-oriented modelling. Marine Geology, 2011, 281, 27-34.	0.9	21
63	Wave Damping due to Wooden Fences along Mangrove Coasts. Journal of Coastal Research, 2018, 34, 1317.	0.1	21
64	Coastal Protection Strategies for the Red River Delta. Journal of Coastal Research, 2009, 251, 105-116.	0.1	20
65	Estuarine Mangrove Squeeze in the Mekong Delta, Vietnam. Journal of Coastal Research, 2017, 33, 747-763.	0.1	20
66	Tidal wave propagation along The Mekong deltaic coast. Estuarine, Coastal and Shelf Science, 2019, 220, 73-98.	0.9	20
67	Quantification of changes in current intensities induced by wave overtopping around low-crested structures. Coastal Engineering, 2008, 55, 113-124.	1.7	19
68	Uncertainty in the application of the parabolic bay shape equation: Part 2. Coastal Engineering, 2010, 57, 142-151.	1.7	19
69	Tidal Wave Propagation in the Yellow Sea. Coastal Engineering Journal, 2015, 57, 1550008-1-1550008-29.	0.7	19
70	Development and extension of an aggregated scale model: Part 1 - Background to ASMITA. China Ocean Engineering, 2016, 30, 483-504.	0.6	19
71	The Estimation and Evaluation of Shoreline Locations, Shoreline-Change Rates, and Coastal Volume Changes Derived from Landsat Images. Journal of Coastal Research, 2019, 35, 56.	0.1	19
72	Soft intervention technology as a tool for integrated coastal zone management. Journal of Coastal Conservation, 2000, 6, 33-40.	0.7	18

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73	Incipient motion of coarse particles under regular shoaling waves. Coastal Engineering, 2006, 53, 81-92.	1.7	18
74	Impact of Back-Barrier Dams on the Development of the Ebb-Tidal Delta of the Eastern Scheldt. Journal of Coastal Research, 2012, 285, 1591-1605.	0.1	18
75	Morphological Effects of the Eastern Scheldt Storm Surge Barrier on the Ebb-Tidal Delta. Coastal Engineering Journal, 2013, 55, 1350010-1-1350010-26.	0.7	18
76	Initial Morphologic and Stratigraphic Delta Evolution Related to Buoyant River Plumes. , 2007, , 736.		17
77	GEOPHYSICS: Sandbars in Motion. Science, 2003, 299, 1855-1856.	6.0	16
78	Horizontal Circulation Patterns in a Large Shallow Lake: Taihu Lake, China. Water (Switzerland), 2018, 10, 792.	1.2	16
79	A Morphodynamic Modeling Study on the Formation of the Large-scale Radial Sand Ridges in the Southern Yellow Sea. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1742-1761.	1.0	16
80	Hydrodynamic Validation of Delft3D with Field Measurements at Egmond. , 2001, , 2714.		15
81	Impact of the Three Gorges Dam Overruled by an Extreme Climate Hazard. Natural Hazards Review, 2012, 13, 310-316.	0.8	15
82	ON THE EFFECTIVENESS OF MANGROVES IN ATTENUATING CYCLONE - INDUCED WAVES. Coastal Engineering Proceedings, 2011, , 50.	0.1	15
83	Role of morphological variability in the evolution of nearshore sandbars. Coastal Engineering, 2012, 69, 19-28.	1.7	14
84	PIV measurements of the bottom boundary layer under nonlinear surface waves. Coastal Engineering, 2014, 94, 33-46.	1.7	14
85	Exploratory morphodynamic hindcast of the evolution of the abandoned Yellow River delta, 1578â€“1855 CE. Marine Geology, 2017, 383, 99-119.	0.9	14
86	Managing mangroves and coastal land cover in the Mekong Delta. Ocean and Coastal Management, 2022, 219, 106013.	2.0	14
87	Shoreface Sand Supply to Beaches. , 2001, , 2495.		12
88	Movement of tidal watersheds in the Wadden Sea and its consequences on the morphological development. International Journal of Sediment Research, 2013, 28, 162-171.	1.8	12
89	Sea Level Rise and Coastal Erosion. , 2009, , 1023-1037.		12
90	Influence of Relative Sea Level Rise on Coastal Inlets and Tidal Basins. , 2001, , 242.		11

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91	How the Dutch plan to stay dry over the next century. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2011, 164, 114-121.	0.3	11
92	Modelling tidal-induced sediment transport in a sand-silt mixed environment from days to years: Application to the Jiangsu coastal water, China. Coastal Engineering, 2018, 141, 86-106.	1.7	11
93	Process-based modeling of the overflow-induced growth of erosional channels. Coastal Engineering, 2008, 55, 468-483.	1.7	10
94	Development and extension of an aggregated scale model: Part 2 – Extensions to ASMITA. China Ocean Engineering, 2016, 30, 651-670.	0.6	10
95	Acceleration and Skewness Effects on the Instantaneous Bed-Shear Stresses in Shoaling Waves. Journal of Waterway, Port, Coastal and Ocean Engineering, 2009, 135, 228-234.	0.5	9
96	Numerical modelling of hydrodynamics of permeable pile groins using SWASH. Coastal Engineering, 2019, 153, 103558.	1.7	9
97	Wind Effects on the Water Age in a Large Shallow Lake. Water (Switzerland), 2020, 12, 1246.	1.2	9
98	Morphodynamics of Texel Inlet, The Netherlands. , 2007, , .		9
99	Laboratory data on wave propagation through vegetation with following and opposing currents. Earth System Science Data, 2021, 13, 4987-4999.	3.7	9
100	<title>Quantitative assessment of surf-produced sea spray aerosol</title>. , 1998, , .		8
101	Numerical Simulations of Coastal-Tract Morphodynamics. , 2001, , 403.		8
102	Nature-Based Solutions for Coastal Engineering and Management. Water (Switzerland), 2021, 13, 976.	1.2	8
103	Discussion of "Prediction of Storm/Normal Beach Profiles" by Robert A. Dalrymple (March/April, 1992.) Tj ETQq1.1 0.784314 rgB 0.5 7		8
104	Towards the definition of budget models for the evolution of deltas. Journal of Coastal Conservation, 1998, 4, 7-16.	0.7	7
105	Conversion of electro-optical signals to sediment concentration in a silt-sand suspension environment. Coastal Engineering, 2016, 114, 284-294.	1.7	7
106	Laboratory validation of SWASH longshore current modelling. Coastal Engineering, 2018, 142, 95-105.	1.7	7
107	Experimental Assessment of the Flow Resistance of Coastal Wooden Fences. Water (Switzerland), 2020, 12, 1910.	1.2	7
108	LONGSHORE VARIATION OF DEPTH OF CLOSURE ON A MICRO-TIDAL WAVE-DOMINATED COAST. , 2005, , .		7

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109	Wave Overwash at Low-Crested Beach Barriers. Coastal Engineering Journal, 2006, 48, 371-393.	0.7	6
110	Beaches, cliffs and deltas. , 2009, , 158-179.		6
111	Stone Stability in Nonuniform Flow. Journal of Hydraulic Engineering, 2011, 137, 884-893.	0.7	6
112	The influence of sea state on formation speed of alongshore variability in surf zone sand bars. Coastal Engineering, 2014, 91, 45-59.	1.7	6
113	Wave Overtopping Discharge for Very Gently Sloping Foreshores. Water (Switzerland), 2020, 12, 1695.	1.2	6
114	Aggregated morphodynamic modelling of tidal inlets and estuaries. Water Science and Engineering, 2020, 13, 1-13.	1.4	6
115	Sediment Budget of the Danube Delta Coastal Zone. , 2007, , 207.		5
116	Modelling impact of dredging and dumping in ebb-flood channel systems. Transactions of Tianjin University, 2008, 14, 271-281.	3.3	4
117	BALANCING RESEARCH EFFORTS AND MANAGEMENT NEEDS: A CHALLENGE FOR COASTAL ENGINEERING. , 2005, , .		4
118	Video-Based, Quantitative Assessment of Intertidal Beach Variability. , 2001, , 3291.		3
119	Morphological Behavior of Seasonal Closure of Tidal Inlets. , 2007, , 1589.		3
120	Interaction of Dune Face and Swash Zone. , 2007, , .		3
121	A comment on "Changing estuaries, changing views". Hydrobiologia, 2008, 605, 11-15.	1.0	3
122	EFFECT OF DIFFERENT FORCING PROCESSES ON THE LONGSHORE SEDIMENT TRANSPORT AT THE SAND MOTOR, THE NETHERLANDS. Coastal Engineering Proceedings, 2015, 1, 71.	0.1	3
123	Shore Nourishment and the Active Zone: A Time Scale Dependent View. , 1993, , 2464.		2
124	Modelling Inner Surf Zone Hydrodynamics at Egmond (NL). , 2001, , 500.		2
125	Small Scale Bedform Types off the South-Holland Coast. Journal of Coastal Research, 2016, 75, 423-426.	0.1	2
126	Sea Level Rise and Coastal Erosion. , 2018, , 1505-1519.		2



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127	Dynamics of a Tidal Current System in a Marginal Sea: A Case Study of the Yellow Sea, China. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	2
128	VIDEO MONITORING IN SUPPORT OF COASTAL MANAGEMENT. , 2005, , .		2
129	LONG-TERM MORPHOLOGICAL EVOLUTION OF THE TIDAL INLET "NORDERNEYER SEEGAT". , 2007, , .		2
130	Nearshore Bar Response to Time Varying Conditions. , 2006, , 1.		1
131	NUMERICAL MODELING OF WAVE OVERWASH ON LOW-CRESTED SAND BARRIERS. , 2007, , .		1
132	A Numerical Study on Design of Coastal Groins. , 2010, , .		1
133	COASTAL MANGROVE SQUEEZE IN THE MEKONG DELTA. , 2015, , .		1
134	Cross-shore stratified tidal flow seaward of a mega-nourishment. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 200, 59-70.	0.9	1
135	MORPHODYNAMICS AT THE UPDRIFT SIDE OF INLETS. , 2003, , .		1
136	AGGREGATED MORPHOLOGY OF TIDAL INLETS. , 2003, , .		1
137	LINEAR STABILITY OF A DOUBLE-BARRED COAST. , 2003, , .		1
138	STONE STABILITY UNDER DECELERATING OPEN-CHANNEL FLOW. , 2009, , .		1
139	Morphodynamics of a Seasonal Inlet: A Case Study Using Remote Sensing and Numerical Modelling for Cua Dai Inlet, Central Vietnam. , 2020, , 417-425.		1
140	Coastal management: Global change â€¦ global observation?. <i>Elsevier Oceanography Series</i> , 1997, 62, 684-693.	0.1	0
141	Coarse Particles' Threshold of Motion under Shoaling Waves. , 2006, , 1.		0
142	Effects of Wave Groupiness on Dune Erosion. , 2006, , 1.		0
143	The Effect of Stratification on the Residual Flow in a Mixed-Energy Tide-Dominated Inlet. , 2006, , 1.		0
144	Morphological Impacts of Hurricanes Frances and Jeanne (2004) on Nourished Florida Beaches. , 2006, , 1.		0

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145	WAVE DISSIPATION ON A VEGETATED SALT MARSH. , 2009, , .		0
146	Middle shoreface sand transport under the influence of a river plume. Journal of Coastal Research, 2014, 70, 182-186.	0.1	0
147	MODELLING HYDRODYNAMICS IN EELGRASS (ZOSTERA MARINA) BEDS. , 2007, , .		0
148	MORPHOLOGICAL STABILITY OF TIDAL INLETS USING PROCESS-BASED MODELLING. , 2009, , .		0
149	Vers un nouveau plan delta pour garder les Pays-Bas Ã lâ€™abri des inondations au cours du 21 <sup>e</sup> siÃ¨cle. Houille Blanche, 2012, 98, 5-10.	0.3	0
150	Innovative Vietnamese Research on Mekong Deltaic Coastal Processes. , 2020, , 1377-1381.		0
151	A Laboratory Study of the Shallow Flow Field in a Vegetated Compound Channel. Springer Water, 2020, , 665-675.	0.2	0