Zheng B Wang

List of Publications by Citations

150 papers	4,198 citations	36 h-index	59 g-index
176 ext. papers	5,108 ext. citations	3.4 avg, IF	5.67 L-index

#	Paper	IF	Citations
150	Impact of vegetation on flow routing and sedimentation patterns: Three-dimensional modeling for a tidal marsh. *Journal of Geophysical Research*, **2005**, 110, n/a-n/a		199
149	A 2D/3D hydrodynamic and sediment transport model for the Yangtze Estuary, China. *Journal of Marine Systems*, **2009**, 77, 114-136	2.7	154
148	A global analysis of erosion of sandy beaches and sea-level rise: An application of DIVA. *Global and Planetary Change*, **2013**, 111, 150-158	4.2	141
147	Impact of sea-level rise on the morphological equilibrium state of tidal inlets. *Marine Geology*, **2003**, 202, 211-227	3.3	127
146	Controls on river delta formation; insights from numerical modelling. *Earth and Planetary Science Letters*, **2011**, 302, 217-226	5.3	112
145	Long-term process-based morphological modeling of the Marsdiep Tidal Basin. *Marine Geology*, **2008**, 256, 90-100	3.3	110
144	Tidal controls on river delta morphology. *Nature Geoscience*, **2017**, 10, 637-645	18.3	106
143	River-tide dynamics: Exploration of nonstationary and nonlinear tidal behavior in the Yangtze River estuary. *Journal of Geophysical Research: Oceans*, **2015**, 120, 3499-3521	3.3	106
142	Morphology and asymmetry of the vertical tide in the Westerschelde estuary. *Continental Shelf Research*, **2002**, 22, 2599-2609	2.4	103
141	Stability of river bifurcations in ID morphodynamic models. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **1995**, 33, 739-750	1.9	102
140	Decadal morphological evolution of the Yangtze Estuary in response to river input changes and estuarine engineering projects. *Geomorphology*, **2016**, 265, 12-23	4.3	98
139	Man-induced regime shifts in small estuaries□: a comparison of rivers. *Ocean Dynamics*, **2013**, 63, 1293-1306	2.3	96
138	Modeling of channel patterns in short tidal basins. *Journal of Geophysical Research*, **2005**, 110,		94
137	Dynamics and spatial variability of near-bottom sediment exchange in the Yangtze Estuary, China. *Estuarine, Coastal and Shelf Science*, **2010**, 86, 322-330	2.9	92
136	Modeling the tidal channel morphodynamics in a macro-tidal embayment, Hangzhou Bay, China. *Continental Shelf Research*, **2009**, 29, 1757-1767	2.4	90
135	Is □Morphodynamic Equilibrium□an oxymoron?. *Earth-Science Reviews*, **2017**, 165, 257-267	10.2	88
134	Man-induced regime shifts in small estuaries□ theory. *Ocean Dynamics*, **2013**, 63, 1279-1292	2.3	86

133	Morphodynamic modelling for a tidal inlet in the Wadden Sea. *Marine Geology*, **1995**, 126, 289-300	3.3	83
132	Morphodynamics of the Wadden Sea and its barrier island system. *Ocean and Coastal Management*, **2012**, 68, 39-57	3.9	75
131	Windows of opportunity for salt marsh vegetation establishment on bare tidal flats: The importance of temporal and spatial variability in hydrodynamic forcing. *Journal of Geophysical Research G: Biogeosciences*, **2015**, 120, 1450-1469	3.7	73
130	Human impacts on morphodynamic thresholds in estuarine systems. *Continental Shelf Research*, **2015**, 111, 174-183	2.4	63
129	Barrier island management: Lessons from the past and directions for the future. *Ocean and Coastal Management*, **2012**, 68, 18-38	3.9	60
128	Estuarine morphodynamics. *Coastal Engineering*, **2004**, 51, 765-778	4.8	58
127	Long-term morphodynamic evolution and energy dissipation in a coastal plain, tidal embayment. *Journal of Geophysical Research*, **2008**, 113,		53
126	Morphological response of tidal basins to human interventions. *Coastal Engineering*, **2004**, 51, 207-221	4.8	53
125	Morphodynamic development and sediment budget of the Dutch Wadden Sea over the last century. *Geologie En Mijnbouw/Netherlands Journal of Geosciences*, **2012**, 91, 293-310	1.1	52
124	Process-based morphodynamic modeling of the Yangtze Estuary at a decadal timescale: Controls on estuarine evolution and future trends. *Geomorphology*, **2017**, 290, 347-364	4.3	48
123	Biological influences on morphology and bed composition of an intertidal flat. *Estuarine, Coastal and Shelf Science*, **2005**, 64, 577-590	2.9	47
122	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	3.8	46
121	Eco-Morphological Problems in the Yangtze Estuary and the Western Scheldt. *Wetlands*, **2011**, 31, 1033-1042	1.7	46
120	The effect of land reclamations and sediment extraction on the suspended sediment concentration in the Ems Estuary. *Marine Geology*, **2016**, 376, 147-157	3.3	45
119	Numerical modeling of tidal currents, sediment transport and morphological evolution in Hangzhou Bay, China. *International Journal of Sediment Research*, **2013**, 28, 316-328	3	40
118	Local human activities overwhelm decreased sediment supply from the Changjiang River: Continued rapid accumulation in the Hangzhou Bay-Qiantang Estuary system. *Marine Geology*, **2017**, 392, 66-77	3.3	39
117	Impact of dredging and dumping on the stability of ebb-flood channel systems. *Coastal Engineering*, **2010**, 57, 553-566	4.8	38
116	Suspended sediment dynamics and morphodynamics in the Yellow River, China. *Sedimentology*, **2009**, 56, 785-806	3.3	37

115	The validity of a depth-integrated model for suspended sediment transport. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **1986**, 24, 53-67	1.9	37
114	The influence of changes in tidal asymmetry on residual sediment transport in the Western Scheldt. *Continental Shelf Research*, **2010**, 30, 871-882	2.4	35
113	An analysis on half century morphological changes in the Changjiang Estuary: Spatial variability under natural processes and human intervention. *Journal of Marine Systems*, **2018**, 181, 25-36	2.7	32
112	Comparison of longitudinal equilibrium profiles of estuaries in idealized and process-based models. *Ocean Dynamics*, **2003**, 53, 252-269	2.3	32
111	Sand–mud morphodynamics in a short tidal basin. *Ocean Dynamics*, **2004**, 54, 385	2.3	31
110	The differences in morphological development between the intertidal flats of the Eastern and Western Scheldt. *Geomorphology*, **2017**, 281, 31-42	4.3	30
109	Bed shear stress estimation on an open intertidal flat using in situ measurements. *Estuarine, Coastal and Shelf Science*, **2016**, 182, 190-201	2.9	30
108	Millennial to annual volume changes in the Humber Estuary. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2007**, 463, 837-854	2.4	29
107	From the headwater to the delta: A synthesis of the basin-scale sediment load regime in the Changjiang River. *Earth-Science Reviews*, **2019**, 197, 102900	10.2	28
106	Impact of water diversion on the morphological development of the Lower Yellow River. *International Journal of Sediment Research*, **2008**, 23, 13-27	3	28
105	Exploring the impacts of multiple tidal constituents and varying river flow on long-term, large-scale estuarine morphodynamics by means of a 1-D model. *Journal of Geophysical Research F: Earth Surface*, **2016**, 121, 1000-1022	3.8	28
104	Bed-level changes on intertidal wetland in response to waves and tides: A case study from the Yangtze River Delta. *Marine Geology*, **2017**, 385, 160-172	3.3	27
103	Morphodynamic impacts of large-scale engineering projects in the Yangtze River delta. *Coastal Engineering*, **2018**, 141, 1-11	4.8	27
102	Long-term, process-based morphodynamic modeling of a fluvio-deltaic system, part I: The role of river discharge. *Continental Shelf Research*, **2015**, 109, 95-111	2.4	26
101	Chapter 13 Morphodynamic modeling of tidal basins and coastal inlets. *Elsevier Oceanography Series*, **2003**, 367-392		26
100	Theoretical analysis on depth-integrated modelling of suspended sediment transport. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **1992**, 30, 403-421	1.9	26
99	Quantification of Tidal Asymmetry and Its Nonstationary Variations. *Journal of Geophysical Research: Oceans*, **2019**, 124, 773-787	3.3	26
98	Do intertidal flats ever reach equilibrium?. *Journal of Geophysical Research F: Earth Surface*, **2015**, 120, 2406-2436	3.8	23

97	Influence of the nodal tide on the morphological response of estuaries. *Marine Geology*, **2012**, 291-294, 73-82	3.3	22
96	Presence of Connecting Channels in the Western Scheldt Estuary. *Journal of Coastal Research*, **2009**, 253, 627-640	0.6	22
95	Modelling sand–mud morphodynamics in the Friesche Zeegat. *Ocean Dynamics*, **2006**, 56, 248-265	2.3	22
94	Bedform characteristics during falling flood stage and morphodynamic interpretation of the middle–lower Changjiang (Yangtze) River channel, China. *Geomorphology*, **2012**, 147-148, 18-26	4.3	21
93	The variations of sediment transport patterns in the outer Changjiang Estuary and Hangzhou Bay over the last 30 years. *Journal of Geophysical Research: Oceans*, **2017**, 122, 2999-3020	3.3	20
92	Peak discharge increase in hyperconcentrated floods. *Advances in Water Resources*, **2014**, 67, 65-77	4.7	20
91	Interaction between suspended sediment and tidal amplification in the Guadalquivir Estuary. *Ocean Dynamics*, **2014**, 64, 1487-1498	2.3	20
90	ASSESSING CLIMATE CHANGE IMPACTS ON THE STABILITY OF SMALL TIDAL INLETS: Part 2- DATA RICH ENVIRONMENTS. *Marine Geology*, **2018**, 395, 65-81	3.3	19
89	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	0.6	19
88	Flow velocity profiles in the Lower Scheldt estuary. *Ocean Dynamics*, **2006**, 56, 284-294	2.3	19
87	Net sediment transport in tidal basins: quantifying the tidal barotropic mechanisms in a unified framework. *Ocean Dynamics*, **2017**, 67, 1385-1406	2.3	18
86	On the stability relationships between tidal asymmetry and morphologies of tidal basins and estuaries. *Earth Surface Processes and Landforms*, **2018**, 43, 1943-1959	3.7	17
85	Morphodynamic modeling of a large inside sandbar and its dextral morphology in a convergent estuary: Qiantang Estuary, China. *Journal of Geophysical Research F: Earth Surface*, **2017**, 122, 1553-1572	3.8	17
84	Development and extension of an aggregated scale model: Part 1 – Background to ASMITA. *China Ocean Engineering*, **2016**, 30, 483-504	1.1	16
83	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	0.6	16
82	Estuary schematisation in behaviour-oriented modelling. *Marine Geology*, **2011**, 281, 27-34	3.3	16
81	Future Response of the Wadden Sea Tidal Basins to Relative Sea-Level rise—An Aggregated Modelling Approach. *Water (Switzerland)*, **2019**, 11, 2198	3	15
80	Experiment inspired numerical modeling of sediment concentration over sand–silt mixtures. *Coastal Engineering*, **2015**, 105, 75-89	4.8	15

79	Morphological modeling using a fully coupled, total variation diminishing upwind-biased centered scheme. *Water Resources Research*, **2013**, 49, 3547-3565	5.4	15
78	Sediment budget and morphological development of the Dutch Wadden Sea: impact of accelerated sea-level rise and subsidence until 2100. *Geologie En Mijnbouw/Netherlands Journal of Geosciences*, **2018**, 97, 183-214	1.1	15
77	Analysis on residual coarse sediment transport in estuaries. *Estuarine, Coastal and Shelf Science*, **2015**, 163, 194-205	2.9	14
76	Morphological Effects of the Eastern Scheldt Storm Surge Barrier on the Ebb-Tidal Delta. *Coastal Engineering Journal*, **2013**, 55, 1350010-1-1350010-26	2.8	14
75	Predicting the Morphodynamic Response of Silt-Laden Rivers to Water and Sediment Release from Reservoirs: Lower Yellow River, China. *Journal of Hydraulic Engineering*, **2011**, 137, 90-99	1.8	14
74	Morphodynamics of the Qiantang Estuary, China: Controls of river flood events and tidal bores. *Marine Geology*, **2018**, 406, 27-33	3.3	14
73	Decadal morphological evolution of the mouth zone of the Yangtze Estuary in response to human interventions. *Earth Surface Processes and Landforms*, **2019**, 44, 2319-2332	3.7	13
72	SPM response to tide and river flow in the hyper-turbid Ems River. *Ocean Dynamics*, **2017**, 67, 559-583	2.3	13
71	Coupling bedform roughness and sediment grain-size sorting in modelling of tidal inlet incision. *Marine Geology*, **2016**, 381, 128-141	3.3	13
70	Formation of Concentrated Benthic Suspension in a Time-Dependent Salt Wedge Estuary. *Journal of Geophysical Research: Oceans*, **2018**, 123, 8581-8607	3.3	13
69	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	3.3	12
68	Far-field impact of water injection dredging in the Crouch River. *Proceedings of the Institution of Civil Engineers Water and Maritime Engineering*, **2002**, 154, 285-296		12
67	Amplification and deformation of tidal wave in the Upper Scheldt Estuary. *Ocean Dynamics*, **2019**, 69, 829-839	2.3	11
66	Movement of tidal watersheds in the Wadden Sea and its consequences on the morphological development. *International Journal of Sediment Research*, **2013**, 28, 162-171	3	11
65	Comparison of Morphodynamic Models for the Lower Yellow River1. *Journal of the American Water Resources Association*, **2013**, 49, 114-131	2.1	11
64	Combined Effects of Unsteady River Discharges and Wave Conditions on River Mouth Bar Morphodynamics. *Geophysical Research Letters*, **2018**, 45, 12,903	4.9	11
63	The relationship between inundation duration and Spartina alterniflora growth along the Jiangsu coast, China. *Estuarine, Coastal and Shelf Science*, **2018**, 213, 305-313	2.9	11
62	Long-Term Cumulative Effects of Intra-Annual Variability of Unsteady River Discharge on the Progradation of Delta Lobes: A Modeling Perspective. *Journal of Geophysical Research F: Earth Surface*, **2019**, 124, 960-973	3.8	10

61	Tidal Wave Propagation in the Yellow Sea. *Coastal Engineering Journal*, **2015**, 57, 1550008-1-1550008-29	2.8	10
60	Predicting the effect of a Current Deflecting Wall on harbour siltation. *Continental Shelf Research*, **2011**, 31, S182-S198	2.4	10
59	Measurements of hydrodynamics, sediment, morphology and benthos on Ameland ebb-tidal delta and lower shoreface. *Earth System Science Data*, **2020**, 12, 2775-2786	10.5	10
58	Exploratory morphodynamic hindcast of the evolution of the abandoned Yellow River delta, 1578–1855 CE. *Marine Geology*, **2017**, 383, 99-119	3.3	8
57	Sand-Mud Tidal Flat Morphodynamics Influenced by Alongshore Tidal Currents. *Journal of Geophysical Research: Oceans*, **2019**, 124, 3818-3836	3.3	8
56	The heterogeneity of mudflat erodibility. *Geomorphology*, **2019**, 345, 106834	4.3	8
55	Long-Term Effects of Water Diversions on the Longitudinal Flow and Bed Profiles. *Journal of Hydraulic Engineering*, **2014**, 140, 04014021	1.8	8
54	Development and extension of an aggregated scale model: Part 2 – Extensions to ASMITA. *China Ocean Engineering*, **2016**, 30, 651-670	1.1	8
53	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	3.8	7
52	Study of Lateral Flow in a Stratified Tidal Channel-Shoal System: The Importance of Intratidal Salinity Variation. *Journal of Geophysical Research: Oceans*, **2019**, 124, 6702-6719	3.3	7
51	Morphological Impact of the Construction of an Offshore Yangshan Deepwater Harbor in the Port of Shanghai, China. *Journal of Coastal Research*, **2012**, 278, 163-173	0.6	7
50	Influence of Relative Sea Level Rise on Coastal Inlets and Tidal Basins **2001**, 242		7
49	A PROCESS-BASED APPROACH TO SEDIMENT TRANSPORT. *Coastal Engineering Proceedings*, **2011**, 1, 83	1.4	7
48	Morphodynamic Feedback Loops Control Stable Fringing Flats. *Journal of Geophysical Research F: Earth Surface*, **2018**, 123, 2993-3012	3.8	7
47	The Importance of Combined Tidal and Meteorological Forces for the Flow and Sediment Transport on Intertidal Shoals. *Journal of Geophysical Research F: Earth Surface*, **2018**, 123, 2464-2480	3.8	7
46	Dynamic Response of the Fluid Mud to a Tropical Storm. *Journal of Geophysical Research: Oceans*, **2020**, 125, e2019JC015419	3.3	6
45	A 1D model for tides waves and fine sediment in short tidal basins—Application to the Wadden Sea. *Ocean Dynamics*, **2013**, 63, 1233-1248	2.3	6
44	Strong Inland Propagation of Low-Frequency Long Waves in River Estuaries. *Geophysical Research Letters*, **2020**, 47, e2020GL089112	4.9	6

43	Accretion-erosion conversion in the subaqueous Yangtze Delta in response to fluvial sediment decline. *Geomorphology*, **2021**, 382, 107680	4.3	6
42	An integrated optic and acoustic (IOA) approach for measuring suspended sediment concentration in highly turbid environments. *Marine Geology*, **2020**, 421, 106062	3.3	6
41	Ecological impact of land reclamation on Jiangsu coast (China): A novel ecotope assessment for Tongzhou Bay. *Water Science and Engineering*, **2020**, 13, 57-64	4	5
40	Sediment Connectivity: A Framework for Analyzing Coastal Sediment Transport Pathways. *Journal of Geophysical Research F: Earth Surface*, **2020**, 125, e2020JF005595	3.8	5
39	Mechanisms of hyperconcentrated flood propagation in a dynamic channel-floodplain system. *Advances in Water Resources*, **2017**, 107, 470-489	4.7	4
38	Aggregated morphodynamic modelling of tidal inlets and estuaries. *Water Science and Engineering*, **2020**, 13, 1-13	4	4
37	Conversion of electro-optical signals to sediment concentration in a silt and suspension environment. *Coastal Engineering*, **2016**, 114, 284-294	4.8	4
36	Modelling impact of dredging and dumping in ebb-flood channel systems. *Transactions of Tianjin University*, **2008**, 14, 271-281	2.9	4
35	Variations in storm-induced bed level dynamics across intertidal flats. *Scientific Reports*, **2020**, 10, 12877	4.9	4
34	Effects of Sediment-Induced Density Gradients on the Estuarine Turbidity Maximum in the Yangtze Estuary. *Journal of Geophysical Research: Oceans*, **2021**, 126, e2020JC016927	3.3	4
33	Regime shifts in the Changjiang (Yangtze River) Estuary: The role of concentrated benthic suspensions. *Marine Geology*, **2021**, 433, 106403	3.3	4
32	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	4.8	4
31	Seasonal variation of floc population influenced by the presence of algae in the Changjiang (Yangtze River) Estuary. *Marine Geology*, **2021**, 440, 106600	3.3	4
30	Sediment Disposals in Estuarine Channels Alter the Eco-Morphology of Intertidal Flats. *Journal of Geophysical Research F: Earth Surface*, **2020**, 125, e2019JF005432	3.8	3
29	A Relation Between Partitions and the Number of Divisors. *American Mathematical Monthly*, **1995**, 102, 345	0.3	3
28	Some considerations on mathematical modelling of morphological processes in tidal regions. *Coastal and Estuarine Studies*, **1992**, 467-480		3
27	OBSERVATIONS OF SUSPENDED PARTICLE SIZE DISTRIBUTION ON AN ENERGETIC EBB-TIDAL DELTA **2019**,		3
26	DIFFERENT IMPLEMENTATION SCENARIOS FOR THE LARGE SCALE COASTAL POLICY OF THE NETHERLANDS **2007**,		3

25	Daily Topographic Change Patterns of Tidal Flats in Response to Anthropogenic Activities: Analysis through Coastal Video Imagery. *Journal of Coastal Research*, **2019**, 36, 103	0.6	3
24	Field measurements and numerical modelling of wind-driven exchange flows in a tidal inlet system in the Dutch Wadden Sea. *Ocean and Coastal Management*, **2021**, 215, 105941	3.9	3
23	Building for Nature: Preserving Threatened Bird Habitat in Port Design. *Water (Switzerland)*, **2020**, 12, 2134	3	3
22	Wave Controls on Deltaic Shoreline-Channel Morphodynamics: Insights From a Coupled Model. *Water Resources Research*, **2020**, 56, e2020WR027298	5.4	3
21	Progradation Speed of Tide-Dominated Tidal Flats Decreases Stronger Than Linearly With Decreasing Sediment Availability and Linearly With Sea Level Rise. *Geophysical Research Letters*, **2019**, 46, 262-271	4.9	3
20	Physiological and biochemical responses of the salt-marsh plant Spartina alterniflora to long-term wave exposure. *Annals of Botany*, **2020**, 125, 291-300	4.1	2
19	Comment on Depth-integrated modeling of suspended sediment transport by M. Bolla Pittaluga and G. Seminara. *Water Resources Research*, **2004**, 40,	5.4	2
18	A STUDY ON SEDIMENTATION OF TIDAL RIVERS AND CHANNELS FLOWING INTO DEEP BAY WITH A DELFT3D MODEL **2011**, 1444-1451		2
17	Development of intertidal flats in the Dutch Wadden Sea in response to a rising sea level: Spatial differentiation and sensitivity to the rate of sea level rise. *Ocean and Coastal Management*, **2022**, 216, 105969	3.9	2
16	The Longitudinal Profile of a Prograding River and Its Response to Sea Level Rise. *Geophysical Research Letters*, **2020**, 47, e2020GL090450	4.9	2
15	Sediment Characteristics and Intertidal Beach Slopes along the Jiangsu Coast, China. *Journal of Marine Science and Engineering*, **2021**, 9, 347	2.4	2
14	Study of Sediment Transport in a Tidal Channel-Shoal System: Lateral Effects and Slack-Water Dynamics. *Journal of Geophysical Research: Oceans*, **2021**, 126, e2020JC016334	3.3	2
13	Characterizing the Composition of Sand and Mud Suspensions in Coastal and Estuarine Environments Using Combined Optical and Acoustic Measurements. *Journal of Geophysical Research: Oceans*, **2021**, 126, e2021JC017354	3.3	2
12	Tracking fluorescent and ferrimagnetic sediment tracers on an energetic ebb-tidal delta to monitor grain size-selective dispersal. *Ocean and Coastal Management*, **2021**, 212, 105835	3.9	2
11	Morphodynamic modeling the impact of large-scale embankment on the large bar in a convergent estuary. *Marine Geology*, **2021**, 442, 106638	3.3	2
10	Future sediment exchange between the Dutch Wadden Sea and North Sea Coast - Insights based on ASMITA modelling. *Ocean and Coastal Management*, **2022**, 219, 106067	3.9	1
9	Changjiang Delta in the Anthropocene: Multi-scale hydro-morphodynamics and management challenges. *Earth-Science Reviews*, **2021**, 223, 103850	10.2	1
8	The contribution of sand and mud to infilling of tidal basins in response to a closure dam. *Marine Geology*, **2021**, 439, 106544	3.3	1

7	River, tide and morphology interaction in a macro-tidal estuary with active morphological evolutions. *Catena*, **2022**, 212, 106131	5.8	1
6	Two-Channel System Dynamics of the Outer Weser Estuary: A Modeling Study. *Journal of Marine Science and Engineering*, **2021**, 9, 448	2.4	0
5	Exploration of Decadal Tidal Evolution in Response to Morphological and Sedimentary Changes in the Yangtze Estuary. *Journal of Geophysical Research: Oceans*, **2021**, 126, e2020JC017019	3.3	0
4	Morphodynamic adaptation of a tidal basin to centennial sea-level rise: The importance of lateral expansion. *Continental Shelf Research*, **2021**, 226, 104494	2.4	0
3	Parallel Morphodynamic Modelling for the Yangtze Estuary. *Journal of Coastal Research*, **2018**, 85, 641-645	0.6	6
2	Relative role of bed roughness change and bed erosion on peak discharge increase in hyperconcentrated floods. *Advances in Geosciences*,39, 15-19		
1	A novel approach to mapping ebb-tidal delta morphodynamics and stratigraphy. *Geomorphology*, **2022**, 405, 108185	4.3	