

Leicheng Guo

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,045
citations

516710

16
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Riverâ€tide dynamics: Exploration of nonstationary and nonlinear tidal behavior in the Yangtze River estuary. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3499-3521.	2.6	154
2	How have the river discharges and sediment loads changed in the Changjiang River basin downstream of the Three Gorges Dam?. <i>Journal of Hydrology</i> , 2018, 560, 259-274.	5.4	114
3	Freshwater flocculation of suspended sediments in the Yangtze River, China. <i>Ocean Dynamics</i> , 2011, 61, 371-386.	2.2	79
4	A study of in-situ sediment flocculation in the turbidity maxima of the Yangtze Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 191, 1-9.	2.1	64
5	From the headwater to the delta: A synthesis of the basin-scale sediment load regime in the Changjiang River. <i>Earth-Science Reviews</i> , 2019, 197, 102900.	9.1	57
6	On the cumulative dam impact in the upper Changjiang River: Streamflow and sediment load changes. <i>Catena</i> , 2020, 184, 104250.	5.0	53
7	Quantification of Tidal Asymmetry and Its Nonstationary Variations. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 773-787.	2.6	47
8	Application of terrestrial laser scanner on tidal flat morphology at a typhoon event timescale. <i>Geomorphology</i> , 2017, 292, 47-58.	2.6	46
9	An analysis on half century morphological changes in the Changjiang Estuary: Spatial variability under natural processes and human intervention. <i>Journal of Marine Systems</i> , 2018, 181, 25-36.	2.1	42
10	Exploring the impacts of multiple tidal constituents and varying river flow on long-term, large-scale estuarine morphodynamics by means of a 1D model. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1000-1022.	2.8	38
11	Long-term, process-based morphodynamic modeling of a fluvio-deltaic system, part I: The role of river discharge. <i>Continental Shelf Research</i> , 2015, 109, 95-111.	1.8	37
12	Tidal asymmetry and residual sediment transport in a short tidal basin under sea level rise. <i>Advances in Water Resources</i> , 2018, 121, 1-8.	3.8	33
13	Decadal morphological evolution of the mouth zone of the Yangtze Estuary in response to human interventions. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2319-2332.	2.5	33
14	Comparing the Yangtze and Mississippi River Deltas in the light of coupled natural-human dynamics: Lessons learned and implications for management. <i>Geomorphology</i> , 2022, 399, 108075.	2.6	20
15	Effects of Sediment-Induced Density Gradients on the Estuarine Turbidity Maximum in the Yangtze Estuary. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016927.	2.6	19
16	Strong Inland Propagation of Low-Frequency Long Waves in River Estuaries. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089112.	4.0	18
17	Impacts of a storm on the erosion process of a tidal wetland in the Yellow River Delta. <i>Catena</i> , 2021, 205, 105461.	5.0	18
18	Changjiang Delta in the Anthropocene: Multi-scale hydro-morphodynamics and management challenges. <i>Earth-Science Reviews</i> , 2021, 223, 103850.	9.1	16

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19	The role of salinity in fluvio-deltaic morphodynamics: A long-term modelling study. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 590-604.	2.5	15
20	A historical review of sediment export-import shift in the North Branch of Changjiang Estuary. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 5-16.	2.5	15
21	Impacts of Human Modifications and Natural Variations on Short-Term Morphological Changes in Estuarine Tidal Flats. <i>Estuaries and Coasts</i> , 2018, 41, 1253-1267.	2.2	14
22	Role of mudflat-creek sediment exchanges in intertidal sedimentary processes. <i>Journal of Hydrology</i> , 2018, 567, 351-360.	5.4	14
23	Impacts of Three Gorges Dam's operation on spatial-temporal patterns of tide-river dynamics in the Yangtze River estuary, China. <i>Ocean Science</i> , 2019, 15, 583-599.	3.4	12
24	An integrated optic and acoustic (IOA) approach for measuring suspended sediment concentration in highly turbid environments. <i>Marine Geology</i> , 2020, 421, 106062.	2.1	11
25	Regime shifts in the Changjiang (Yangtze River) Estuary: The role of concentrated benthic suspensions. <i>Marine Geology</i> , 2021, 433, 106403.	2.1	11
26	Sediment dynamics in the mudbank of the Yangtze River Estuary under regime shift of source and sink. <i>International Journal of Sediment Research</i> , 2022, 37, 97-109.	3.5	10
27	Exploration of Decadal Tidal Evolution in Response to Morphological and Sedimentary Changes in the Yangtze Estuary. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017019.	2.6	9
28	The role of a remote tropical cyclone in sediment resuspension over the subaqueous delta front in the Changjiang Estuary, China. <i>Geomorphology</i> , 2021, 377, 107564.	2.6	8
29	A Universal Form of Power Law Relationships for River and Stream Channels. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090493.	4.0	7
30	Morphodynamic adaptation of a tidal basin to centennial sea-level rise: The importance of lateral expansion. <i>Continental Shelf Research</i> , 2021, 226, 104494.	1.8	7
31	A morphological investigation of marine transgression in estuaries. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 626-641.	2.5	6
32	Multi-decadal simulation of estuarine sedimentation under sea level rise with a response-surface surrogate model. <i>Advances in Water Resources</i> , 2021, 150, 103876.	3.8	5
33	Rationalizing the Differences Among Hydraulic Relationships Using a Process-Based Model. <i>Water Resources Research</i> , 2021, 57, e2020WR029430.	4.2	5
34	Reclamation of Tidal Flats Within Tidal Basins Alters Centennial Morphodynamic Adaptation to Sea-Level Rise. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	5
35	Feedback Effects of Sediment Suspensions on Transport Mechanisms in an Estuarine Turbidity Maximum. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	3