

Daidu Fan

List of Publications by Year in descending order

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74
papers

1,656
citations

393982

19
h-index

329751

37
g-index

77
all docs

77
docs citations

77
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratigraphy and paleoenvironmental changes in the Yangtze Delta during the Late Quaternary. <i>Journal of Asian Earth Sciences</i> , 2000, 18, 453-469.	1.0	201
2	Late Quaternary incised-valley fill of the Yangtze delta (China): its stratigraphic framework and evolution. <i>Sedimentary Geology</i> , 2002, 152, 133-158.	1.0	172
3	Cross-shore variations in morphodynamic processes of an open-coast mudflat in the Changjiang Delta, China: With an emphasis on storm impacts. <i>Continental Shelf Research</i> , 2006, 26, 517-538.	0.9	109
4	Characteristics of tidal-bore deposits and facies associations in the Qiantang Estuary, China. <i>Marine Geology</i> , 2014, 348, 1-14.	0.9	64
5	Research on preservation and enrichment mechanisms of organic matter in muddy sediment and mudstone. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 765-775.	0.9	61
6	South Flank of the Yangtze Delta: Past, present, and future. <i>Marine Geology</i> , 2017, 392, 78-93.	0.9	56
7	A 600-year flood history in the Yangtze River drainage: Comparison between a subaqueous delta and historical records. <i>Science Bulletin</i> , 2011, 56, 188-195.	1.7	54
8	Open-Coast Tidal Flats. , 2012, , 187-229.		46
9	Spatial changes in molecular composition of dissolved organic matter in the Yangtze River Estuary: Implications for the seaward transport of estuarine DOM. <i>Science of the Total Environment</i> , 2021, 759, 143531.	3.9	42
10	Pollen evidence to interpret the history of rice farming at the Hemudu site on the Ningshao coast, eastern China. <i>Quaternary International</i> , 2016, 426, 195-203.	0.7	41
11	Early to Middle Holocene sea level fluctuation, coastal progradation and the Neolithic occupation in the Yaojiang Valley of southern Hangzhou Bay, Eastern China. <i>Quaternary Science Reviews</i> , 2018, 189, 91-104.	1.4	40
12	Fluorescence characteristics of chromophoric dissolved organic matter in shallow water along the Zhejiang coasts, southeast China. <i>Marine Environmental Research</i> , 2010, 69, 187-197.	1.1	39
13	Sedimentation processes and sedimentary characteristics of tidal bores along the north bank of the Qiantang Estuary. <i>Science Bulletin</i> , 2012, 57, 1578-1589.	1.7	29
14	Monazite age spectra in the Late Cenozoic strata of the Changjiang delta and its implication on the Changjiang run-through time. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 1718-1727.	0.9	28
15	A three-dimensional cohesive sediment transport model with data assimilation: Model development, sensitivity analysis and parameter estimation. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 206, 87-100.	0.9	28
16	Sediment budget and morphological change in the Red River Delta under increasing human interferences. <i>Marine Geology</i> , 2021, 431, 106379.	0.9	28
17	Environmental evolution of the East China Sea inner shelf and its constraints on pyrite sulfur contents and isotopes since the last deglaciation. <i>Marine Geology</i> , 2020, 429, 106307.	0.9	27
18	Perspectives on the linkage between typhoon activity and global warming from recent research advances in paleotempestology. <i>Science Bulletin</i> , 2008, 53, 2907-2922.	4.3	26

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19	Revisited sediment budget with latest bathymetric data in the highly altered Yangtze (Changjiang) Estuary. <i>Geomorphology</i> , 2021, 391, 107873.	1.1	23
20	Turbulence, Sediment-Induced Stratification, and Mixing Under Macrotidal Estuarine Conditions (Qiantang Estuary, China). <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4058-4077.	1.0	22
21	Early to middle Holocene rice cultivation in response to coastal environmental transitions along the South Hangzhou Bay of eastern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 555, 109872.	1.0	22
22	Depositional control on carbon and sulfur preservation onshore and offshore the Oujiang Estuary: Implications for the C/S ratio as a salinity indicator. <i>Continental Shelf Research</i> , 2021, 227, 104510.	0.9	22
23	Distinction and grain-size characteristics of intertidal heterolithic deposits in the middle Qiantang Estuary (East China Sea). <i>Geo-Marine Letters</i> , 2015, 35, 161-174.	0.5	20
24	Coastal morphological changes in the Red River Delta under increasing natural and anthropic stresses. <i>Anthropocene Coasts</i> , 2019, 2, 51-71.	0.6	20
25	Wind-driven stratification patterns and dissolved oxygen depletion off the Changjiang (Yangtze) Estuary. <i>Biogeosciences</i> , 2020, 17, 2875-2895.	1.3	20
26	Coastal seafloor observatory at Xiaoqushan in the East China Sea. <i>Science Bulletin</i> , 2011, 56, 2839-2845.	1.7	19
27	Late Quaternary environmental change in Oujiang delta along the northeastern Zhe-Min Uplift zone (Southeast China). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 492, 64-80.	1.0	19
28	Parameter estimation for a cohesive sediment transport model by assimilating satellite observations in the Hangzhou Bay: Temporal variations and spatial distributions. <i>Ocean Modelling</i> , 2018, 121, 34-48.	1.0	18
29	Flow and turbulence structure in a hypertidal estuary with the world's biggest tidal bore. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3417-3433.	1.0	17
30	Optical characterization of CDOM in a marsh-influenced environment in the Changjiang (Yangtze) Estuary. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3417-3433.	1.3	16
31	Increasing hypoxia in the Changjiang Estuary during the last three decades deciphered from sedimentary redox-sensitive elements. <i>Marine Geology</i> , 2020, 419, 106044.	0.9	16
32	Temporal distribution of diastems in deposits of an open-coast tidal flat with high suspended sediment concentrations. <i>Sedimentary Geology</i> , 2002, 152, 173-181.	1.0	15
33	Highly accelerated siltation of abandoned distributary channel in the Yangtze Delta under everchanging social-ecological dynamics. <i>Marine Geology</i> , 2020, 429, 106331.	0.9	14
34	Timing of the Yangtze initiation draining the Tibetan Plateau throughout to the East China Sea: a review. <i>Frontiers of Earth Science</i> , 2008, 2, 302-313.	0.5	13
35	Clay-mineral compositions of sediments in the Gaoping River-Sea system: Implications for weathering, sedimentary routing and carbon cycling. <i>Chemical Geology</i> , 2016, 447, 11-26.	1.4	12
36	Reconstruction of silicate weathering intensity and paleoenvironmental change during the late Quaternary in the Zhuoshui River catchment in Taiwan. <i>Quaternary International</i> , 2017, 452, 43-53.	0.7	12

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37	Mangrove expansion at poleward range limits in North and South America: Late-Holocene climate variability or anthropocene global warming?. <i>Catena</i> , 2022, 216, 106413.	2.2	12
38	Records of the tsunami induced by the 2010 Chilean earthquake from Xiaoqushan seafloor observatory in the East China Sea. <i>Science Bulletin</i> , 2011, 56, 2957-2965.	1.7	11
39	The evolution of hypoxia off the Changjiang Estuary in the last 3000 years: Evidence from benthic foraminifera and elemental geochemistry. <i>Marine Geology</i> , 2019, 417, 106039.	0.9	11
40	Acoustic Observations of Kelvin-Helmholtz Billows on an Estuarine Lutocline. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015383.	1.0	11
41	Characteristics and Formation of Late Quaternary Incised-Valley-Fill Sequences in Sediment-Rich Deltas and Estuaries: Case Studies from China. , 2011, , 141-160.		11
42	Land-sea duel in the late Quaternary at the mouth of a small river with high sediment yield. <i>Journal of Asian Earth Sciences</i> , 2017, 143, 59-76.	1.0	10
43	Estimation of spatially varying parameters in three-dimensional cohesive sediment transport models by assimilating remote sensing data. <i>Journal of Marine Science and Technology</i> , 2018, 23, 319-332.	1.3	10
44	Sustained growth of river-mouth bars in the vulnerable Changjiang Delta. <i>Journal of Hydrology</i> , 2020, 590, 125450.	2.3	10
45	Chemical speciation of iron in sediments from the Changjiang Estuary and East China Sea: Iron cycle and paleoenvironmental implications. <i>Quaternary International</i> , 2017, 452, 116-128.	0.7	9
46	Impact of Anthropogenic Organic Matter on the Distribution Patterns of Sediment Microbial Community from the Yangtze River, China. <i>Geomicrobiology Journal</i> , 2019, 36, 881-893.	1.0	9
47	Sustained growth of the largest uninhabited alluvial island in the Changjiang Estuary under the drastic reduction of river discharged sediment. <i>Science China Earth Sciences</i> , 2021, 64, 1687-1697.	2.3	9
48	Tracing the quarter-diurnal signatures of nutrients and dissolved organic matter to evaluate their nonconservative behaviors in coastal seawaters. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	8
49	Evolution of the East China Sea sedimentary environment in the past 14 kyr: Insights from tetraethers-based proxies. <i>Science China Earth Sciences</i> , 2016, 59, 927-938.	2.3	8
50	Anatomy of the transgressive depositional system in a sediment-rich tide-dominated estuary: The paleo-Yangtze estuary, China. <i>Marine and Petroleum Geology</i> , 2020, 121, 104588.	1.5	8
51	Field observations of turbulence, sediment suspension, and transport under breaking tidal bores. <i>Marine Geology</i> , 2021, 437, 106498.	0.9	8
52	Morphological Change in the Northern Red River Delta, Vietnam. <i>Journal of Ocean University of China</i> , 2018, 17, 1272-1280.	0.6	7
53	Estuary-shelf interactions off the Changjiang Delta during a dry-wet seasonal transition. <i>Marine Geology</i> , 2020, 426, 106211.	0.9	7
54	Preservation potential of individual couplet and deposition rates on mudflats in the Changjiang Estuary. <i>Science in China Series B: Chemistry</i> , 2001, 44, 33-39.	0.8	6

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55	The Holocene Environmental Evolution of the Inner Hangzhou Bay and Its Significance. <i>Journal of Ocean University of China</i> , 2018, 17, 1301-1308.	0.6	6
56	Assessment of sedimentary heterocyst glycolipids as tracers of freshwater input to the Changjiang Estuary and East China Sea. <i>Chemical Geology</i> , 2019, 521, 39-48.	1.4	6
57	Sea level implications from Late Quaternary/Holocene paleosols from the Oujiang Delta, China. <i>Radiocarbon</i> , 2019, 61, 83-99.	0.8	6
58	Estimation of initial conditions for surface suspended sediment simulations with the adjoint method: A case study in Hangzhou Bay. <i>Continental Shelf Research</i> , 2021, 227, 104526.	0.9	6
59	Oyster Aquaculture Site Selection Using High-Resolution Remote Sensing: A Case Study in the Gulf of Maine, United States. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	6
60	Sediment sorting and bedding dynamics of tidal flat wetlands: Modeling the signature of storms. <i>Journal of Hydrology</i> , 2022, 610, 127913.	2.3	6
61	A Methodology for Estimating the Parameters in Three-Dimensional Cohesive Sediment Transport Models by Assimilating In Situ Observations with the Adjoint Method. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 1469-1482.	0.5	5
62	Internal Facies Architecture and Evolution History of Changxing Mouth-Bar Complex in the Changjiang (Yangtze) Delta, China. <i>Journal of Ocean University of China</i> , 2018, 17, 1281-1289.	0.6	5
63	Simulating the role of tides and sediment characteristics on tidal flat sorting and bedding dynamics. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2163-2176.	1.2	5
64	U-Pb AGES AND Hf ISOTOPIC COMPOSITION OF CRYSTALLINE ZIRCONS FROM IGNEOUS ROCKS OF THE CHANGJIANG DRAINAGE BASIN AND THEIR IMPLICATIONS FOR PROVENANCE. <i>Marine Geology & Quaternary Geology</i> , 2013, 33, 97.	0.1	5
65	Characteristics of turbulent kinetic energy dissipation rate and turbidity near the coast of East China Sea. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 1134-1142.	0.7	3
66	Holocene variation of radiocarbon reservoir age offshore western Taiwan, derived from paired charcoals and mollusks. <i>Quaternary International</i> , 2019, 527, 79-86.	0.7	3
67	Hypoxic Effects on the Radiocarbon in DIC of the ECS Subsurface Water. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016979.	1.0	3
68	The Influence of a Suspended Cage Aquaculture Farm on the Hydrodynamic Environment in a Semienclosed Bay, SE China. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	3
69	Dynamic Diurnal Changes in Green Algae Biomass in the Southern Yellow Sea Based on GOCI Images. <i>Journal of Ocean University of China</i> , 2020, 19, 811-817.	0.6	2
70	Scaling the Mixing Efficiency of Sedimentâ€stratified Turbulence. <i>Geophysical Research Letters</i> , 0, , .	1.5	2
71	Shear Instabilities and Stratified Turbulence in an Estuarine Fluid Mud. <i>Journal of Physical Oceanography</i> , 2022, 52, 2257-2271.	0.7	2
72	Intercomparison of textural parameters of intertidal sediments generated by different statistical procedures, and implications for a unifying descriptive nomenclature. <i>Geo-Marine Letters</i> , 2015, 35, 175-188.	0.5	1

#	ARTICLE	IF	CITATIONS
73	Magnetic fabric characteristics of late Quaternary strata in Shanghai area. Science Bulletin, 1998, 43, 1579-1583.	1.7	0
74	Reply to comment on, "Sediment budget and morphological change in the Red River Delta under increasing human interferences" by N.D. Ve, D. Fan, B.V. Vuong and T.D. Lan [Marine Geology 431 (2021), 106,379]. Marine Geology, 2021, 443, 106580.	0.9	0