

Jianhua Gao

List of Publications by Year in descending order

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69
papers

1,878
citations

257450

24
h-index

276875

41
g-index

70
all docs

70
docs citations

70
times ranked

1718
citing authors

#	ARTICLE	IF	CITATIONS
1	Sediment transport over an accretional intertidal flat with influences of reclamation, Jiangsu coast, China. <i>Marine Geology</i> , 2012, 291-294, 147-161.	2.1	176
2	Changes in water and sediment exchange between the Changjiang River and Poyang Lake under natural and anthropogenic conditions, China. <i>Science of the Total Environment</i> , 2014, 481, 542-553.	8.0	154
3	Quantifying the anthropogenic and climatic contributions to changes in water discharge and sediment load into the sea: A case study of the Yangtze River, China. <i>Science of the Total Environment</i> , 2015, 536, 803-812.	8.0	130
4	Sediment resuspension, flocculation, and settling in a macrotidal estuary. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5591-5608.	2.6	108
5	Evaluating landscape ecological sensitivity of an estuarine island based on landscape pattern across temporal and spatial scales. <i>Ecological Indicators</i> , 2019, 101, 221-237.	6.3	91
6	Pollution status of polycyclic aromatic hydrocarbons in surface sediments from the Yangtze River Estuary and its adjacent coastal zone. <i>Chemosphere</i> , 2016, 162, 80-90.	8.2	65
7	Turbidity maximum formation in a well-mixed macrotidal estuary: The role of tidal pumping. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7705-7724.	2.6	58
8	Sediment accumulation and retention of the Changjiang (Yangtze River) subaqueous delta and its distal muds over the last century. <i>Marine Geology</i> , 2018, 401, 2-16.	2.1	50
9	Rapid response of the Changjiang (Yangtze) River and East China Sea source-to-sink conveying system to human induced catchment perturbations. <i>Marine Geology</i> , 2019, 414, 1-17.	2.1	49
10	Distribution and transport of heavy metals in estuarine "inner shelf regions of the East China Sea. <i>Science of the Total Environment</i> , 2018, 644, 298-305.	8.0	47
11	Determination of Critical Shear Stresses for Erosion and Deposition Based on <i>In Situ</i> Measurements of Currents and Waves over an Intertidal Mudflat. <i>Journal of Coastal Research</i> , 2015, 316, 1344-1356.	0.3	44
12	The impact of climate change and human activities on streamflow and sediment load in the Pearl River basin. <i>International Journal of Sediment Research</i> , 2019, 34, 307-321.	3.5	42
13	Plume front and suspended sediment dispersal off the Yangtze (Changjiang) River mouth, China during non-flood season. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 71, 60-67.	2.1	39
14	Influence of <i>Spartina</i> Colonization on the Supply and Accumulation of Organic Carbon in Tidal Salt Marshes of Northern Jiangsu Province, China. <i>Journal of Coastal Research</i> , 2012, 280, 486-498.	0.3	37
15	Reservoir-induced changes to fluvial fluxes and their downstream impacts on sedimentary processes: The Changjiang (Yangtze) River, China. <i>Quaternary International</i> , 2018, 493, 187-197.	1.5	37
16	Mechanisms of maintaining high suspended sediment concentration over tide-dominated offshore shoals in the southern Yellow Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 191, 221-233.	2.1	36
17	Insights into the effects of long-term biochar loading on water-soluble organic matter in soil: Implications for the vertical co-migration of heavy metals. <i>Environment International</i> , 2020, 136, 105439.	10.0	36
18	Variations in the transport, distribution, and budget of ²¹⁰ Pb in sediment over the estuarine and inner shelf areas of the East China Sea due to Changjiang catchment changes. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 235-247.	2.8	35

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19	The effect of biomass variations of <i>Spartina alterniflora</i> on the organic carbon content and composition of a salt marsh in northern Jiangsu Province, China. <i>Ecological Engineering</i> , 2016, 95, 160-170.	3.6	33
20	Spatial distributions of organic carbon and nitrogen and their isotopic compositions in sediments of the Changjiang Estuary and its adjacent sea area. <i>Journal of Chinese Geography</i> , 2008, 18, 46-58.	3.9	30
21	Application of the Geostationary Ocean Color Imager to Mapping the Diurnal and Seasonal Variability of Surface Suspended Matter in a Macro-Tidal Estuary. <i>Remote Sensing</i> , 2016, 8, 244.	4.0	30
22	Variations in quantity, composition and grain size of Changjiang sediment discharging into the sea in response to human activities. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 645-655.	4.9	28
23	Sedimentary record of plutonium in the North Yellow Sea and the response to catchment environmental changes of inflow rivers. <i>Chemosphere</i> , 2018, 207, 130-138.	8.2	28
24	Accumulation and Output of Heavy Metals by the Invasive Plant <i>Spartina alterniflora</i> in a Coastal Salt Marsh. <i>Pedosphere</i> , 2018, 28, 884-894.	4.0	26
25	Modeling morphological change in anthropogenically controlled estuaries. <i>Anthropocene</i> , 2017, 17, 70-83.	3.3	23
26	Extreme floods of the Changjiang River over the past two millennia: Contributions of climate change and human activity. <i>Marine Geology</i> , 2021, 433, 106418.	2.1	23
27	Strain distribution in epitaxial SrTiO ₃ thin films. <i>Applied Physics Letters</i> , 2006, 89, 262902.	3.3	22
28	Distribution and dispersal pattern of clay minerals in surface sediments, eastern Beibu Gulf, South China Sea. <i>Acta Oceanologica Sinica</i> , 2012, 31, 78-87.	1.0	22
29	Cross-Front Sediment Transport Induced by Quick Oscillation of the Yellow Sea Warm Current: Evidence From the Sedimentary Record. <i>Geophysical Research Letters</i> , 2019, 46, 226-234.	4.0	22
30	Anthropogenic plutonium in the North Jiangsu tidal flats of the Yellow Sea in China. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 6539-6551.	2.7	21
31	Recent sedimentary record of storms and floods within the estuarine-inner shelf region of the East China Sea. <i>Holocene</i> , 2017, 27, 439-449.	1.7	21
32	A numerical investigation of freshwater and sediment discharge variations of Poyang Lake catchment, China over the last 1000 years. <i>Holocene</i> , 2015, 25, 1470-1482.	1.7	19
33	Rapid changes in organochlorine pesticides in sediments from the East China sea and their response to human-induced catchment changes. <i>Water Research</i> , 2020, 169, 115225.	11.3	19
34	Distribution of ¹³⁷ Cs and ²¹⁰ Pb in sediments of tidal flats in north Jiangsu Province. <i>Journal of Chinese Geography</i> , 2010, 20, 91-108.	3.9	18
35	Turbidity maximum formation and its seasonal variations in the Zhujiang (Pearl River) Estuary, southern China. <i>Acta Oceanologica Sinica</i> , 2016, 35, 22-31.	1.0	18
36	Reconstruction of the historical deposition environment from ²¹⁰ Pb and ¹³⁷ Cs records at two tidal flats in China. <i>Ecological Engineering</i> , 2013, 61, 303-315.	3.6	17

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37	Island protected area zoning based on ecological importance and tenacity. <i>Ecological Indicators</i> , 2020, 112, 106139.	6.3	17
38	Effects of intertidal reclamation on tides and potential environmental risks: a numerical study for the southern Yellow Sea. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	16
39	Novel insight into microstructural evolution of phase-separated Cu–Co alloys under influence of forced convection. <i>Journal of Materials Science</i> , 2011, 46, 6603-6608.	3.7	14
40	Remarkable morphological change in a large tidal inlet with low sediment-supply. <i>Continental Shelf Research</i> , 2014, 90, 79-95.	1.8	14
41	Simulation of sedimentary dynamics in a small-scale estuary: the role of human activities. <i>Environmental Earth Sciences</i> , 2015, 74, 869-878.	2.7	14
42	On estimation of coastal wave parameters and wave-induced shear stresses. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 594-606.	2.0	11
43	New Test Method for Measuring Reflective Cracking in Hot-Mix Asphalt Overlay Pavements. <i>Transportation Research Record</i> , 2019, 2673, 327-336.	1.9	11
44	Controlling factors for the distribution of typical organic pollutants in the surface sediment of a macrotidal bay. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28276-28287.	5.3	11
45	A comparison study on the sediment flocculation process between a bare tidal flat and a clam aquaculture mudflat: The important role of sediment concentration and biological processes. <i>Marine Geology</i> , 2021, 434, 106443.	2.1	11
46	Assessing ecological risk of organophosphate esters released from sediment with both of total content and desorbable content. <i>Science of the Total Environment</i> , 2021, 772, 144907.	8.0	10
47	Neglected role of continental circulation in cross-shelf sediment transport: Implications for paleoclimate reconstructions. <i>Marine Geology</i> , 2022, 443, 106703.	2.1	10
48	Sediment dynamics of turbidity maximum in Changjiang River mouth in dry season. <i>Frontiers of Earth Science</i> , 2008, 2, 249-261.	0.5	8
49	Reservoir Construction Has Reduced Organic Carbon Deposition in the East China Sea by Half Since 2006. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087357.	4.0	8
50	Quantitative reconstruction of Holocene sediment sources contributing to the central Jiangsu coast, China: New insights into source-to-sink processes. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 2463-2477.	2.5	8
51	Reprint of Mechanisms of maintaining high suspended sediment concentration over tide-dominated offshore shoals in the southern Yellow Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 206, 2-13.	2.1	7
52	Frequency and magnitude variability of Yalu River flooding: numerical analyses for the last 1000 years. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4743-4761.	4.9	7
53	Island development suitability evaluation for supporting the spatial planning in archipelagic areas. <i>Science of the Total Environment</i> , 2022, 829, 154679.	8.0	7
54	Sedimentary record of polycyclic aromatic hydrocarbons in mud deposits along the southeastern coast of Liaodong Peninsula and its relation to the anthropogenic and natural activities in the Northeast China. <i>Chemosphere</i> , 2019, 216, 31-39.	8.2	6

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55	Northwestern Pacific tropical cyclone activity enhanced by increased Asian dust emissions during the Little Ice Age. <i>Nature Communications</i> , 2022, 13, 1712.	12.8	6
56	Anomalous current recorded at lower low water off the Changjiang River mouth, China. <i>Geo-Marine Letters</i> , 2004, 24, 252-258.	1.1	4
57	The response of sedimentary record to catchment changes induced by human activities in the western intertidal flat of Yalu River Estuary, China. <i>Acta Oceanologica Sinica</i> , 2017, 36, 54-63.	1.0	4
58	Damage Mechanisms of Soft Rock Tunnels in the Western China: A Case Study on the Dujiashan Tunnel. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2022, 32, 369-377.	0.8	4
59	Distribution pattern and controlling factors of heavy mineral assemblages in surficial seafloor sediments offshore of the Eastern Shandong Peninsula (Yellow Sea). <i>Environmental Earth Sciences</i> , 2015, 73, 4273-4285.	2.7	3
60	Variations in fluvial discharge of rivers over the last millennium along the eastern coast of the Liaodong Peninsula, China. <i>Journal of Asian Earth Sciences</i> , 2019, 184, 103993.	2.3	3
61	Impact of Ship Traffic on the Characteristics of Shelf Sediments: An Anthropocene Prospective. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
62	Simulation of water surge processes and analysis of water surge bearing capacity in Boao Bay, Hainan Island, China. <i>Ocean Engineering</i> , 2016, 125, 51-59.	4.3	2
63	Identification of sediment provenance in the South Yellow Sea using detrital amphibole geochemistry. <i>Marine Geology</i> , 2022, 450, 106857.	2.1	2
64	Analyzing and quantitatively evaluating the organic matter source at different ecologic zones of tidal salt marsh, North Jiangsu Province, China. <i>Frontiers of Environmental Science and Engineering in China</i> , 2008, 2, 81-88.	0.8	1
65	An eco-parametric method to derive sedimentation rates for coastal saltmarshes. <i>Science of the Total Environment</i> , 2021, 770, 144756.	8.0	1
66	Synthesis and characterization of naphthalene derivatives for two-component heterojunction-based ambipolar field-effect transistors complemented with copper hexadecafluorophthalocyanine (F16CuPc). <i>RSC Advances</i> , 2022, 12, 3191-3197.	3.6	1
67	Spatial structure of the economic network of Central Plains Economic Zone. , 2013, , .		0
68	Human-induced asynchronous sedimentary records between the north and south of the Changjiang distal mud belt since 2005 CE. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 262, 107578.	2.1	0
69	Experimental Study on the Effect of Freezing and Thawing on the Shear Strength of the Frozen Soil in Qinghai-Tibet Railway Embankment. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-12.	0.7	0