Jianhua Gao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/28715/publications.pdf

Version: 2024-02-01

69	1,878	257450	276875
papers	citations	24 h-index	41 g-index

70	70	70	1718
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Damage Mechanisms of Soft Rock Tunnels in the Western China: A Case Study on the Dujiashan Tunnel. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2022, 32, 369-377.	0.8	4
2	Neglected role of continental circulation in cross-shelf sediment transport: Implications for paleoclimate reconstructions. Marine Geology, 2022, 443, 106703.	2.1	10
3	Experimental Study on the Effect of Freezing and Thawing on the Shear Strength of the Frozen Soil in Qinghai-Tibet Railway Embankment. Advances in Civil Engineering, 2022, 2022, 1-12.	0.7	0
4	Synthesis and characterization of naphthalene derivatives for two-component heterojunction-based ambipolar field-effect transistors complemented with copper hexadecafluorophthalocyanine (F16CuPc). RSC Advances, 2022, 12, 3191-3197.	3.6	1
5	Northwestern Pacific tropical cyclone activity enhanced by increased Asian dust emissions during the Little Ice Age. Nature Communications, 2022, 13, 1712.	12.8	6
6	Island development suitability evaluation for supporting the spatial planning in archipelagic areas. Science of the Total Environment, 2022, 829, 154679.	8.0	7
7	Identification of sediment provenance in the South Yellow Sea using detrital amphibole geochemistry. Marine Geology, 2022, 450, 106857.	2.1	2
8	Extreme floods of the Changjiang River over the past two millennia: Contributions of climate change and human activity. Marine Geology, 2021, 433, 106418.	2.1	23
9	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. Marine Geology, 2021, 434, 106443.	2.1	11
10	An eco-parametric method to derive sedimentation rates for coastal saltmarshes. Science of the Total Environment, 2021, 770, 144756.	8.0	1
11	Assessing ecological risk of organophosphate esters released from sediment with both of total content and desorbable content. Science of the Total Environment, 2021, 772, 144907.	8.0	10
12	Impact of Ship Traffic on the Characteristics of Shelf Sediments: An Anthropocene Prospective. Frontiers in Marine Science, 2021, 8, .	2.5	3
13	Human-induced asynchronous sedimentary records between the north and south of the Changjiang distal mud belt since 2005 CE. Estuarine, Coastal and Shelf Science, 2021, 262, 107578.	2.1	0
14	Rapid changes in organochlorine pesticides in sediments from the East China sea and their response to human-induced catchment changes. Water Research, 2020, 169, 115225.	11.3	19
15	Reservoir Construction Has Reduced Organic Carbon Deposition in the East China Sea by Half Since 2006. Geophysical Research Letters, 2020, 47, e2020GL087357.	4.0	8
16	Controlling factors for the distribution of typical organic pollutants in the surface sediment of a macrotidal bay. Environmental Science and Pollution Research, 2020, 27, 28276-28287.	5.3	11
17	Quantitative reconstruction of Holocene sediment sources contributing to the central Jiangsu coast, China: New insights into sourceâ€toâ€sink processes. Earth Surface Processes and Landforms, 2020, 45, 2463-2477.	2.5	8
18	Island protected area zoning based on ecological importance and tenacity. Ecological Indicators, 2020, 112, 106139.	6.3	17

#	Article	IF	Citations
19	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. Environment International, 2020, 136, 105439.	10.0	36
20	Frequency and magnitude variability of Yalu River flooding: numerical analyses for the last 1000Âyears. Hydrology and Earth System Sciences, 2020, 24, 4743-4761.	4.9	7
21	Variations in fluvial discharge of rivers over the last millennium along the eastern coast of the Liaodong Peninsula, China. Journal of Asian Earth Sciences, 2019, 184, 103993.	2.3	3
22	Evaluating landscape ecological sensitivity of an estuarine island based on landscape pattern across temporal and spatial scales. Ecological Indicators, 2019, 101, 221-237.	6.3	91
23	Rapid response of the Changjiang (Yangtze) River and East China Sea source-to-sink conveying system to human induced catchment perturbations. Marine Geology, 2019, 414, 1-17.	2.1	49
24	New Test Method for Measuring Reflective Cracking in Hot-Mix Asphalt Overlay Pavements. Transportation Research Record, 2019, 2673, 327-336.	1.9	11
25	The impact of climate change and human activities on streamflow and sediment load in the Pearl River basin. International Journal of Sediment Research, 2019, 34, 307-321.	3.5	42
26	Crossâ€Front Sediment Transport Induced by Quick Oscillation of the Yellow Sea Warm Current: Evidence From the Sedimentary Record. Geophysical Research Letters, 2019, 46, 226-234.	4.0	22
27	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. Chemosphere, 2019, 216, 31-39.	8.2	6
28	Reservoir-induced changes to fluvial fluxes and their downstream impacts on sedimentary processes: The Changjiang (Yangtze) River, China. Quaternary International, 2018, 493, 187-197.	1.5	37
29	Sediment accumulation and retention of the Changjiang (Yangtze River) subaqueous delta and its distal muds over the last century. Marine Geology, 2018, 401, 2-16.	2.1	50
30	Accumulation and Output of Heavy Metals by the Invasive Plant Spartina alterniflora in a Coastal Salt Marsh. Pedosphere, 2018, 28, 884-894.	4.0	26
31	On estimation of coastal wave parameters and waveâ€induced shear stresses. Limnology and Oceanography: Methods, 2018, 16, 594-606.	2.0	11
32	Sedimentary record of plutonium in the North Yellow Sea and the response to catchment environmental changes of inflow rivers. Chemosphere, 2018, 207, 130-138.	8.2	28
33	Distribution and transport of heavy metals in estuarineâ€“inner shelf regions of the East China Sea. Science of the Total Environment, 2018, 644, 298-305.	8.0	47
34	Reprint of Mechanisms of maintaining high suspended sediment concentration over tide-dominated offshore shoals in the southern Yellow Sea. Estuarine, Coastal and Shelf Science, 2018, 206, 2-13.	2.1	7
35	The response of sedimentary record to catchment changes induced by human activities in the western intertidal flat of Yalu River Estuary, China. Acta Oceanologica Sinica, 2017, 36, 54-63.	1.0	4
36	Mechanisms of maintaining high suspended sediment concentration over tide-dominated offshore shoals in the southern Yellow Sea. Estuarine, Coastal and Shelf Science, 2017, 191, 221-233.	2.1	36

#	Article	IF	Citations
37	Modeling morphological change in anthropogenically controlled estuaries. Anthropocene, 2017, 17, 70-83.	3.3	23
38	Variations in the transport, distribution, and budget of ²¹⁰Pb in sediment over the estuarine and inner shelf areas of the East China Sea due to Changjiang catchment changes. Journal of Geophysical Research F: Earth Surface, 2017, 122, 235-247.	2.8	35
39	Recent sedimentary record of storms and floods within the estuarine-inner shelf region of the East China Sea. Holocene, 2017, 27, 439-449.	1.7	21
40	Application of the Geostationary Ocean Color Imager to Mapping the Diurnal and Seasonal Variability of Surface Suspended Matter in a Macro-Tidal Estuary. Remote Sensing, 2016, 8, 244.	4.0	30
41	Effects of intertidal reclamation on tides and potential environmental risks: a numerical study for the southern Yellow Sea. Environmental Earth Sciences, 2016, 75, 1.	2.7	16
42	Simulation of water surge processes and analysis of water surge bearing capacity in Boao Bay, Hainan Island, China. Ocean Engineering, 2016, 125, 51-59.	4.3	2
43	Pollution status of polycyclic aromatic hydrocarbons in surface sediments from the Yangtze River Estuary and its adjacent coastal zone. Chemosphere, 2016, 162, 80-90.	8.2	65
44	Turbidity maximum formation and its seasonal variations in the Zhujiang (Pearl River) Estuary, southern China. Acta Oceanologica Sinica, 2016, 35, 22-31.	1.0	18
45	The effect of biomass variations of Spartina alterniflora on the organic carbon content and composition of a salt marsh in northern Jiangsu Province, China. Ecological Engineering, 2016, 95, 160-170.	3.6	33
46	A numerical investigation of freshwater and sediment discharge variations of Poyang Lake catchment, China over the last 1000â€‰years. Holocene, 2015, 25, 1470-1482.	1.7	19
47	Variations in quantity, composition and grain size of Changjiang sediment discharging into the sea in response to human activities. Hydrology and Earth System Sciences, 2015, 19, 645-655.	4.9	28
48	Simulation of sedimentary dynamics in a small-scale estuary: the role of human activities. Environmental Earth Sciences, 2015, 74, 869-878.	2.7	14
49	Distribution pattern and controlling factors of heavy mineral assemblages in surficial seafloor sediments offshore of the Eastern Shandong Peninsula (Yellow Sea). Environmental Earth Sciences, 2015, 73, 4273-4285.	2.7	3
50	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. Science of the Total Environment, 2015, 536, 803-812.	8.0	130
51	Determination of Critical Shear Stresses for Erosion and Deposition Based onIn SituMeasurements of Currents and Waves over an Intertidal Mudflat. Journal of Coastal Research, 2015, 316, 1344-1356.	0.3	44
52	Turbidity maximum formation in a well-mixed macrotidal estuary: The role of tidal pumping. Journal of Geophysical Research: Oceans, 2014, 119, 7705-7724.	2.6	58
53	Changes in water and sediment exchange between the Changjiang River and Poyang Lake under natural and anthropogenic conditions, China. Science of the Total Environment, 2014, 481, 542-553.	8.0	154
54	Remarked morphological change in a large tidal inlet with low sediment-supply. Continental Shelf Research, 2014, 90, 79-95.	1.8	14

#	Article	IF	Citations
55	Anthropogenic plutonium in the North Jiangsu tidal flats of the Yellow Sea in China. Environmental Monitoring and Assessment, 2013, 185, 6539-6551.	2.7	21
56	Sediment resuspension, flocculation, and settling in a macrotidal estuary. Journal of Geophysical Research: Oceans, 2013, 118, 5591-5608.	2.6	108
57	Reconstruction of the historical deposition environment from 210Pb and 137Cs records at two tidal flats in China. Ecological Engineering, 2013, 61, 303-315.	3.6	17
58	Spatial structure of the economic network of Central Plains Economic Zone. , 2013, , .		0
59	Influence of Spartina Colonization on the Supply and Accumulation of Organic Carbon in Tidal Salt Marshes of Northern Jiangsu Province, China. Journal of Coastal Research, 2012, 280, 486-498.	0.3	37
60	Distribution and dispersal pattern of clay minerals in surface sediments, eastern Beibu Gulf, South China Sea. Acta Oceanologica Sinica, 2012, 31, 78-87.	1.0	22
61	Sediment transport over an accretional intertidal flat with influences of reclamation, Jiangsu coast, China. Marine Geology, 2012, 291-294, 147-161.	2.1	176
62	Novel insight into microstructural evolution of phase-separated Cuâ€“Co alloys under influence of forced convection. Journal of Materials Science, 2011, 46, 6603-6608.	3.7	14
63	Distribution of 137Cs and 210Pb in sediments of tidal flats in north Jiangsu Province. Journal of Chinese Geography, 2010, 20, 91-108.	3.9	18
64	Spatial distributions of organic carbon and nitrogen and their isotopic compositions in sediments of the Changjiang Estuary and its adjacent sea area. Journal of Chinese Geography, 2008, 18, 46-58.	3.9	30
65	Analyzing and quantitatively evaluating the organic matter source at different ecologic zones of tidal salt marsh, North Jiangsu Province, China. Frontiers of Environmental Science and Engineering in China, 2008, 2, 81-88.	0.8	1
66	Sediment dynamics of turbidity maximum in Changjiang River mouth in dry season. Frontiers of Earth Science, 2008, 2, 249-261.	0.5	8
67	Plume front and suspended sediment dispersal off the Yangtze (Changjiang) River mouth, China during non-flood season. Estuarine, Coastal and Shelf Science, 2007, 71, 60-67.	2.1	39
68	Strain distribution in epitaxial SrTiO3 thin films. Applied Physics Letters, 2006, 89, 262902.	3.3	22
69	Anomalous current recorded at lower low water off the Changjiang River mouth, China. Geo-Marine Letters, 2004, 24, 252-258.	1.1	4