Peng Yao

List of Publications by Year in descending order

45 papers	1,359 citations	331538 21 h-index	360920 35 g-index
46 all docs	46 docs citations	46 times ranked	1193 citing authors

#	Article	IF	Citations
1	Spatiotemporal dynamics of the archaeal community in coastal sediments: assembly process and co-occurrence relationship. ISME Journal, 2020, 14, 1463-1478.	4.4	153
2	Speciation, bioavailability and preservation of phosphorus in surface sediments of the Changjiang Estuary and adjacent East China Sea inner shelf. Estuarine, Coastal and Shelf Science, 2014, 144, 27-38.	0.9	82
3	Remineralization of sedimentary organic carbon in mud deposits of the Changjiang Estuary and adjacent shelf: Implications for carbon preservation and authigenic mineral formation. Continental Shelf Research, 2014, 91, 1-11.	0.9	76
4	Organic carbon cycling in sediments of the Changjiang Estuary and adjacent shelf: Implication for the influence of Three Gorges Dam. Journal of Marine Systems, 2014, 139, 409-419.	0.9	76
5	A multiproxy analysis of sedimentary organic carbon in the <scp>Changjiang Estuary</scp> and adjacent shelf. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1407-1429.	1.3	74
6	Using multi-radiotracer techniques to better understand sedimentary dynamics of reworked muds in the Changjiang River estuary and inner shelf of East China Sea. Marine Geology, 2015, 370, 76-86.	0.9	65
7	The effect of particle density on the sources, distribution, and degradation of sedimentary organic carbon in the Changjiang Estuary and adjacent shelf. Chemical Geology, 2015, 402, 52-67.	1.4	64
8	The remineralization of sedimentary organic carbon in different sedimentary regimes of the Yellow and East China Seas. Chemical Geology, 2018, 495, 104-117.	1.4	58
9	Controls on Organic Carbon Burial in the Eastern China Marginal Seas: A Regional Synthesis. Global Biogeochemical Cycles, 2021, 35, e2020GB006608.	1.9	41
10	Vertical diversity and association pattern of total, abundant and rare microbial communities in deepâ€sea sediments. Molecular Ecology, 2021, 30, 2800-2816.	2.0	41
11	Distribution, mixing behavior, and transformation of dissolved inorganic phosphorus and suspended particulate phosphorus along a salinity gradient in the Changjiang Estuary. Marine Chemistry, 2015, 168, 124-134.	0.9	40
12	Diversity, Abundance, and Niche Differentiation of Ammonia-Oxidizing Prokaryotes in Mud Deposits of the Eastern China Marginal Seas. Frontiers in Microbiology, 2016, 7, 137.	1.5	40
13	The Role of Reactive Iron in the Preservation of Terrestrial Organic Carbon in Estuarine Sediments. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 3556-3569.	1.3	38
14	Occurrence of Halogenated Organic Pollutants in Hadal Trenches of the Western Pacific Ocean. Environmental Science & Technology, 2020, 54, 15821-15828.	4.6	36
15	Vertical variation in Vibrio community composition in Sansha Yongle Blue Hole and its ability to degrade macromolecules. Marine Life Science and Technology, 2020, 2, 60-72.	1.8	32
16	A potential proxy for seasonal hypoxia: LA-ICP-MS Mn/Ca ratios in benthic foraminifera from the Yangtze River Estuary. Geochimica Et Cosmochimica Acta, 2019, 245, 290-303.	1.6	29
17	Historical eutrophication in the Changjiang and Mississippi delta-front estuaries: Stable sedimentary chloropigments as biomarkers. Continental Shelf Research, 2012, 47, 133-144.	0.9	28
18	Detrital phosphorus as a proxy of flooding events in the Changjiang River Basin. Science of the Total Environment, 2015, 517, 22-30.	3.9	26

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19	Early diagenesis and authigenic mineral formation in mobile muds of the Changjiang Estuary and adjacent shelf. Journal of Marine Systems, 2017, 172, 64-74.	0.9	26
20	Spatialâ€“temporal distribution of phytoplankton pigments in relation to nutrient status in Jiaozhou Bay, China. Estuarine, Coastal and Shelf Science, 2010, 89, 234-244.	0.9	24
21	Historical reconstruction of organic carbon inputs to the East China Sea inner shelf: Implications for anthropogenic activities and regional climate variability. Holocene, 2015, 25, 1869-1881.	0.9	24
22	Effects of river damming and delta erosion on organic carbon burial in the Changjiang Estuary and adjacent East China Sea inner shelf. Science of the Total Environment, 2021, 793, 148610.	3.9	21
23	Distribution patterns of ammonia-oxidizing archaea and bacteria in sediments of the eastern China marginal seas. Systematic and Applied Microbiology, 2018, 41, 658-668.	1.2	19
24	Deposition flux and mass inventory of polychlorinated biphenyls in sediments of the Yangtze River Estuary and inner shelf, East China Sea: Implications for contributions of large-river input and e-waste dismantling. Science of the Total Environment, 2019, 647, 1222-1229.	3.9	19
25	Efficient sequestration of terrigenous organic carbon in the New Britain Trench. Chemical Geology, 2020, 533, 119446.	1.4	19
26	Coastal Upwelling Combined With the River Plume Regulates Hypoxia in the Changjiang Estuary and Adjacent Inner East China Sea Shelf. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017740.	1.0	19
27	Effects of irradiance on pigment signatures of harmful algae during growth process. Acta Oceanologica Sinica, 2011, 30, 46-57.	0.4	17
28	Carbon Cycling in the World's Deepest Blue Hole. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005307.	1.3	17
29	Variations of Hydrodynamics and Submarine Groundwater Discharge in the Yellow River Estuary Under the Influence of the Water-Sediment Regulation Scheme. Estuaries and Coasts, 2016, 39, 333-343.	1.0	16
30	Spatial-temporal variation of Aureococcus anophagefferens blooms in relation to environmental factors in the coastal waters of Qinhuangdao, China. Harmful Algae, 2019, 86, 106-118.	2.2	16
31	A New Perspective for Assessing Water Transport and Associated Retention Effects in a Large Reservoir. Geophysical Research Letters, 2018, 45, 9642-9650.	1.5	13
32	Identification of homoglycerol- and dihomoglycerol-containing isoprenoid tetraether lipid cores in aquatic sediments and a soil. Organic Geochemistry, 2014, 76, 146-156.	0.9	11
33	Rapid screening and identification of multi-class substances of very high concern in textiles using liquid chromatography-hybrid linear ion trap orbitrap mass spectrometry. Journal of Chromatography A, 2015, 1386, 22-30.	1.8	11
34	HPLC pigment profiles of 31 harmful algal bloom species isolated from the coastal sea areas of China. Journal of Ocean University of China, 2014, 13, 941-950.	0.6	10
35	Distribution, composition, and ecological risk of surface sedimental polychlorinated naphthalenes in the East China Sea. Marine Pollution Bulletin, 2018, 135, 90-94.	2.3	10
36	Hydrographic features of the Yongle blue hole in the South China Sea and their influential factors. Chinese Science Bulletin, 2018, 63, 2184-2186.	0.4	10

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37	Controls on vertical nutrient distributions in the Sansha Yongle Blue Hole, South China Sea. Chinese Science Bulletin, 2018, 63, 2393-2402.	0.4	10
38	Puteibacter caeruleilacunae gen. nov., sp. nov., a facultatively anaerobic bacterium isolated from Yongle Blue Hole in the South China Sea. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 1623-1629.	0.8	9
39	Organophosphate esters and synthetic musks in the sediments of the Yangtze River Estuary and adjacent East China Sea: Occurrence, distribution, and potential ecological risks. Marine Pollution Bulletin, 2022, 179, 113661.	2.3	9
40	Prasinoxanthin-constaining Prasinophyceae Discovered in Jiaozhou Bay, China. Journal of Integrative Plant Biology, 2007, 49, 497-506.	4.1	8
41	Characterization of polychlorinated biphenyl congeners in surface sediments of the Changjiang Estuary and adjacent shelf by high-resolution sampling and high-resolution mass spectrometry. Marine Pollution Bulletin, 2017, 124, 496-501.	2.3	7
42	Spatial heterogeneity of organic carbon cycling in sediments of the northern Yap Trench: Implications for organic carbon burial. Marine Chemistry, 2020, 223, 103813.	0.9	7
43	Occurrence, congener patterns, and potential ecological risk of chlorinated paraffins in sediments of Yangtze River Estuary and adjacent East China Sea. Environmental Monitoring and Assessment, 2022, 194, 329.	1.3	4
44	Characterization of Oil by Micro-Solid-Phase Extraction and Gas Chromatographyâ€“Mass Spectrometry. Analytical Letters, 2015, 48, 2493-2506.	1.0	2
45	Assessment of phytoplankton class abundance using fluorescence excitation-emission matrix by parallel factor analysis and nonnegative least squares. Chinese Journal of Oceanology and Limnology, 2015, 33, 878-889.	0.7	2