Huamao Yuan

List of Publications by Year
in descending order

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113 papers	3,453 citations	172386 29 h-index	168321 53 g-index
113 all docs	113 docs citations	113 times ranked	3374 citing authors

#	Article	IF	Citations
1	Immunomodulation and antitumor activity of Î²-carrageenan oligosaccharides. Cancer Letters, 2006, 243, 228-234.	3.2	287
2	Preparation and in vitro antioxidant activity of Î²-carrageenan oligosaccharides and their oversulfated, acetylated, and phosphorylated derivatives. Carbohydrate Research, 2005, 340, 685-692.	1.1	268
3	Environmental changes reflected by sedimentary geochemistry in recent hundred years of Jiaozhou Bay, North China. Environmental Pollution, 2007, 145, 656-667.	3.7	169
4	Distribution and contamination of heavy metals in surface sediments of the South Yellow Sea. Marine Pollution Bulletin, 2012, 64, 2151-2159.	2.3	138
5	Persistent organic pollutant residues in the sediments and mollusks from the Bohai Sea coastal areas, North China: An overview. Environment International, 2009, 35, 632-646.	4.8	119
6	Speciation of heavy metals in different grain sizes of Jiaozhou Bay sediments: Bioavailability, ecological risk assessment and source analysis on a centennial timescale. Ecotoxicology and Environmental Safety, 2017, 143, 296-306.	2.9	106
7	Antioxidant activity and cytoprotective effect of Î²-carrageenan oligosaccharides and their different derivatives. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1329-1334.	1.0	98
8	Biomarker responses in the bivalve (Chlamys farreri) to exposure of the environmentally relevant concentrations of lead, mercury, copper. Environmental Toxicology and Pharmacology, 2010, 30, 19-25.	2.0	86
9	Enhanced immunostimulatory and antitumor activity of different derivatives of Î²-carrageenan oligosaccharides from Kappaphycus striatum. Journal of Applied Phycology, 2011, 23, 59-65.	1.5	83
10	Fluxes, seasonal patterns and sources of various nutrient species (nitrogen, phosphorus and silicon) in atmospheric wet deposition and their ecological effects on Jiaozhou Bay, North China. Science of the Total Environment, 2017, 576, 617-627.	3.9	83
11	Source identification and risk assessment based on fractionation of heavy metals in surface sediments of Jiaozhou Bay, China. Marine Pollution Bulletin, 2018, 128, 548-556.	2.3	76
12	Preparation, structural characterization and in vitro antitumor activity of kappa-carrageenan oligosaccharide fraction from Kappaphycus striatum. Journal of Applied Phycology, 2005, 17, 7-13.	1.5	61
13	Atmospheric wet deposition of dissolved trace elements to Jiaozhou Bay, North China: Fluxes, sources and potential effects on aquatic environments. Chemosphere, 2017, 174, 428-436.	4.2	57
14	Chemical characteristics, deposition fluxes and source apportionment of precipitation components in the Jiaozhou Bay, North China. Atmospheric Research, 2017, 190, 10-20.	1.8	54
15	Concentrations and distribution of phthalate esters in the seamount area of the Tropical Western Pacific Ocean. Marine Pollution Bulletin, 2019, 140, 107-115.	2.3	51
16	Hydroxylated isoprenoid GDGTs in Chinese coastal seas and their potential as a paleotemperature proxy for mid-to-low latitude marginal seas. Organic Geochemistry, 2015, 89-90, 31-43.	0.9	48
17	Geochemical characteristics of nitrogen in the southern Yellow Sea surface sediments. Journal of Marine Systems, 2005, 56, 17-27.	0.9	45
18	Spatio-temporal distribution and environmental risk of arsenic in sediments of the East China Sea. Chemical Geology, 2013, 340, 21-31.	1.4	44

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19	Phosphorus speciation and its bioavailability in sediments of the Jiaozhou Bay. Estuarine, Coastal and Shelf Science, 2017, 188, 127-136.	0.9	44
20	Distribution, sources and budgets of particulate phosphorus and nitrogen in the East China Sea. Continental Shelf Research, 2012, 43, 142-155.	0.9	43
21	Geochemical forms and seasonal variations of phosphorus in surface sediments of the East China Sea shelf. Journal of Marine Systems, 2016, 159, 41-54.	0.9	43
22	Sources and distribution of isoprenoid glycerol dialkyl glycerol tetraethers (GDGTs) in sediments from the east coastal sea of China: Application of GDGT-based paleothermometry to a shallow marginal sea. Organic Geochemistry, 2014, 75, 24-35.	0.9	40
23	Spatial and seasonal variations, partitioning and fluxes of dissolved and particulate nutrients in Jiaozhou Bay. Continental Shelf Research, 2018, 171, 140-149.	0.9	39
24	Fractionation, sources and budgets of potential harmful elements in surface sediments of the East China Sea. Marine Pollution Bulletin, 2013, 68, 157-167.	2.3	36
25	Distribution of selenium and its relationship to the eco-environment in Bohai Bay seawater. Marine Chemistry, 2010, 121, 87-99.	0.9	35
26	Intensive anthropogenic activities had affected Daya Bay in South China Sea since the 1980s: Evidence from heavy metal contaminations. Marine Pollution Bulletin, 2018, 135, 318-331.	2.3	34
27	One century record of contamination by polycyclic aromatic hydrocarbons and polychlorinated biphenyls in core sediments from the southern Yellow Sea. Journal of Environmental Sciences, 2009, 21, 1080-1088.	3.2	33
28	Changes in nitrogen and phosphorus and their effects on phytoplankton in the Bohai Sea. Chinese Journal of Oceanology and Limnology, 2010, 28, 945-952.	0.7	33
29	Environmental significance of biogenic elements in surface sediments of the Changjiang Estuary and its adjacent areas. Journal of Environmental Sciences, 2013, 25, 2185-2195.	3.2	33
30	Hypoxia, acidification and nutrient accumulation in the Yellow Sea Cold Water of the South Yellow Sea. Science of the Total Environment, 2020, 745, 141050.	3.9	33
31	Carbon sinks/sources in the Yellow and East China Seasâ€”Air-sea interface exchange, dissolution in seawater, and burial in sediments. Science China Earth Sciences, 2018, 61, 1583-1593.	2.3	32
32	Water-soluble nitrogen and phosphorus in aerosols and dry deposition in Jiaozhou Bay, North China: Deposition velocities, origins and biogeochemical implications. Atmospheric Research, 2018, 207, 90-99.	1.8	31
33	Biogeochemical characteristics and ecological risk assessment of pharmaceutically active compounds (PhACs) in the surface seawaters of Jiaozhou Bay, North China. Environmental Pollution, 2019, 255, 113247.	3.7	31
34	Environmental characteristics in three seamount areas of the Tropical Western Pacific Ocean: Focusing on nutrients. Marine Pollution Bulletin, 2019, 143, 163-174.	2.3	30
35	Distribution, partitioning and sources of dissolved and particulate nitrogen and phosphorus in the north Yellow Sea. Estuarine, Coastal and Shelf Science, 2016, 181, 182-195.	0.9	29
36	Dynamics and diagenesis of trace metals in sediments of the Changjiang Estuary. Science of the Total Environment, 2019, 675, 247-259.	3.9	29

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37	Environmental Characteristics of Polybrominated Diphenyl Ethers in Marine System, with Emphasis on Marine Organisms and Sediments. BioMed Research International, 2016, 2016, 1-16.	0.9	28
38	Thallium concentrations and sources in the surface sediments of Bohai Bay. Marine Environmental Research, 2012, 73, 25-31.	1.1	27
39	The distribution and seasonal variations of sedimentary organic matter in the East China Sea shelf. Marine Pollution Bulletin, 2018, 129, 163-171.	2.3	26
40	Petroleum hydrocarbons and their effects on fishery species in the Bohai Sea, North China. Journal of Environmental Sciences, 2011, 23, 553-559.	3.2	25
41	Environmental radionuclides in a coastal wetland of the Southern Laizhou Bay, China. Marine Pollution Bulletin, 2015, 97, 506-511.	2.3	24
42	The use of sterols combined with isotope analyses as a tool to identify the origin of organic matter in the East China Sea. Ecological Indicators, 2017, 83, 144-157.	2.6	24
43	Air-sea CO2 exchange process in the southern Yellow Sea in April of 2011, and June, July, October of 2012. Continental Shelf Research, 2014, 80, 8-19.	0.9	22
44	Summer carbonate chemistry dynamics in the Southern Yellow Sea and the East China Sea: Regional variations and controls. Continental Shelf Research, 2015, 111, 250-261.	0.9	22
45	The sources and composition of organic matter in sediments of the Jiaozhou Bay: implications for environmental changes on a centennial time scale. Acta Oceanologica Sinica, 2017, 36, 68-78.	0.4	22
46	Organic carbon source and burial during the past one hundred years in Jiaozhou Bay, North China. Journal of Environmental Sciences, 2008, 20, 551-557.	3.2	21
47	Concentrations of Cadmium and Zinc in Seawater of Bohai Bay and Their Effects on Biomarker Responses in the Bivalve Chlamys farreri. Archives of Environmental Contamination and Toxicology, 2010, 59, 120-128.	2.1	21
48	The behaviors and sources of dissolved arsenic and antimony in Bohai Bay. Continental Shelf Research, 2010, 30, 1522-1534.	0.9	21
49	Spatial variation, fractionation and sedimentary records of mercury in the East China Sea. Marine Pollution Bulletin, 2015, 101, 434-441.	2.3	21
50	Particulate nitrogen and phosphorus in the East China Sea and its adjacent Kuroshio waters and evaluation of budgets for the East China Sea Shelf. Continental Shelf Research, 2016, 131, 1-11.	0.9	21
51	Historical trends of anthropogenic metals in sediments of Jiaozhou Bay over the last century. Marine Pollution Bulletin, 2018, 135, 176-182.	2.3	21
52	Behaviors of dissolved antimony in the Yangtze River Estuary and its adjacent waters. Journal of Environmental Monitoring, 2011, 13, 2292.	2.1	20
53	Dissolved barium as a tracer of Kuroshio incursion in the Kuroshio region east of Taiwan Island and the adjacent East China Sea. Science China Earth Sciences, 2017, 60, 1356-1367.	2.3	20
54	Geochemical Characteristics of Soil C, N, P, and Their Stoichiometrical Significance in the Coastal Wetlands of Laizhou Bay, Bohai Sea. Clean - Soil, Air, Water, 2015, 43, 260-270.	0.7	19

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55	Jellyfish (Cyanea nozakii) decomposition and its potential influence on marine environments studied via simulation experiments. Marine Pollution Bulletin, 2015, 97, 199-208.	2.3	19
56	Environmental evolution records reflected by radionuclides in the sediment of coastal wetlands: A case study in the Yellow River Estuary wetland. Journal of Environmental Radioactivity, 2016, 162-163, 87-96.	0.9	19
57	Fraction characteristics of rare earth elements in the surface sediment of Bohai Bay, North China. Environmental Monitoring and Assessment, 2012, 184, 7275-7292.	1.3	17
58	Carbon Chemistry in the Mainstream of Kuroshio Current in Eastern Taiwan and Its Transport of Carbon into the East China Sea Shelf. Sustainability, 2018, 10, 791.	1.6	17
59	Occurrence and origins of biomarker aliphatic hydrocarbons and their indications in surface sediments of the East China Sea. Ecotoxicology and Environmental Safety, 2019, 167, 259-268.	2.9	17
60	Role of the Jiaozhou Bay as a source/sink of CO₂ over a seasonal cycle. Scientia Marina, 2007, 71, 441-450.	0.3	17
61	Atmospheric wet deposition of dissolved organic carbon to a typical anthropogenic-influenced semi-enclosed bay in the western Yellow Sea, China: Flux, sources and potential ecological environmental effects. Ecotoxicology and Environmental Safety, 2019, 182, 109371.	2.9	16
62	Inorganic Carbon of Sediments in the Yangtze River Estuary and Jiaozhou Bay. Biogeochemistry, 2006, 77, 177-197.	1.7	15
63	Impact of Kuroshio on the dissolved oxygen in the East China Sea region. Journal of Oceanology and Limnology, 2019, 37, 513-524.	0.6	15
64	Control factors of DIC in the Y3 seamount waters of the Western Pacific Ocean. Journal of Oceanology and Limnology, 2020, 38, 1215-1224.	0.6	15
65	Sedimentary trace-element records of natural and human-induced environmental changes in the East China Sea. Journal of Paleolimnology, 2014, 52, 277-292.	0.8	14
66	Comparison of carbonate parameters and airâ€“sea CO2 flux in the southern Yellow Sea and East China Sea during spring and summer of 2011. Journal of Oceanography, 2017, 73, 365-382.	0.7	14
67	Metals in size-fractionated core sediments of Jiaozhou Bay, China: Records of recent anthropogenic activities and risk assessments. Marine Pollution Bulletin, 2018, 127, 198-206.	2.3	14
68	Geochemistry of Middle Holocene sediments from south Yellow Sea: Implications to provenance and climate change. Journal of Earth Science (Wuhan, China), 2016, 27, 751-762.	1.1	13
69	Effects of ocean acidification on the physiological performance and carbon production of the Antarctic sea ice diatom Nitzschia sp. ICE-H. Marine Pollution Bulletin, 2017, 120, 184-191.	2.3	13
70	Absorption properties of chromophoric dissolved organic matter (CDOM) in the East China Sea and the waters off eastern Taiwan. Continental Shelf Research, 2018, 159, 12-23.	0.9	13
71	Rare earth element and yttrium geochemistry in sinking particles and sediments of the Jiaozhou Bay, North China: Potential proxy assessment for sediment resuspension. Marine Pollution Bulletin, 2019, 144, 79-91.	2.3	13
72	Geochemical characteristics and potential biogeochemical effect of water-soluble ions in atmospheric aerosols over the western boundary regions of Pacific Ocean. Atmospheric Research, 2019, 227, 101-111.	1.8	12

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73	Pharmaceutically active compounds (PhACs) in surface sediments of the Jiaozhou Bay, north China. Environmental Pollution, 2020, 266, 115245.	3.7	12
74	Dynamics of arsenic and its interaction with Fe and S at the sediment-water interface of the seasonal hypoxic Changjiang Estuary. Science of the Total Environment, 2021, 769, 145269.	3.9	12
75	Biogeochemical characteristics of nitrogen and phosphorus in Jiaozhou Bay sediments. Chinese Journal of Oceanology and Limnology, 2007, 25, 157-165.	0.7	11
76	Trace metal comparative analysis of sinking particles and sediments from a coastal environment of the Jiaozhou Bay, North China: Influence from sediment resuspension. Chemosphere, 2019, 232, 315-326.	4.2	11
77	Glycerol dialkyl glycerol tetraethers signature in sediments of the East China Sea and its implication on marine and continental climate and environment records. Ecological Indicators, 2019, 103, 509-519.	2.6	11
78	The change of nutrient situation in the Prydz Bay waters along longitude 73Â°E, Antarctica, in the context of global environmental change. Marine Pollution Bulletin, 2020, 154, 111071.	2.3	11
79	The OMZ and Its Influence on POC in the Tropical Western Pacific Ocean: Based on the Survey in March 2018. Frontiers in Earth Science, 2021, 9, .	0.8	11
80	Bacterial vertical and horizontal variability around a deep seamount in the Tropical Western Pacific Ocean. Marine Pollution Bulletin, 2020, 158, 111419.	2.3	10
81	The use of amino sugars for assessing seasonal dynamics of particulate organic matter in the Yangtze River estuary. Marine Chemistry, 2020, 220, 103763.	0.9	10
82	pCO2 distribution and CO2 flux on the inner continental shelf of the East China Sea during summer 2011. Chinese Journal of Oceanology and Limnology, 2013, 31, 1088-1097.	0.7	9
83	Sediment quality of the Bohai Sea and the northern Yellow Sea indicated by the results of acid-volatile sulfide and simultaneously extracted metals determinations. Marine Pollution Bulletin, 2020, 155, 111147.	2.3	9
84	Variation of Isoprenoid GDGTs in the Stratified Marine Water Column: Implications for GDGT-Based TEX86 Paleothermometry. Frontiers in Marine Science, 2021, 8, .	1.2	9
85	pCO2 and carbon fluxes across sea-air interface in the Changjiang Estuary and Hangzhou Bay. Chinese Journal of Oceanology and Limnology, 2008, 26, 289-295.	0.7	8
86	Potential mobility of inorganic nutrients and its controls at the sediment-water interface in the main path of Kuroshio Current off eastern Taiwan. Marine Pollution Bulletin, 2017, 119, 270-276.	2.3	8
87	Distribution and storage of soil organic carbon in a coastal wetland under the pressure of human activities. Journal of Soils and Sediments, 2017, 17, 11-22.	1.5	8
88	Amino sugars as indicator of organic matters source and diagenesis in the surface sediments of the East China Sea. Ecological Indicators, 2019, 97, 111-119.	2.6	8
89	Evaluation of Sedimentary Organic Carbon Reactivity and Burial in the Eastern China Marginal Seas. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017207.	1.0	8
90	Analysis of differences in nutrients chemistry in seamount seawaters in the Kocebu and M5 seamounts in Western Pacific Ocean. Journal of Oceanology and Limnology, 2021, 39, 1662.	0.6	8

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91	The bacterial diversity and community composition altered in the oxygen minimum zone of the Tropical Western Pacific Ocean. Journal of Oceanology and Limnology, 2021, 39, 1690-1704.	0.6	8
92	Characterization of Labile Organic Carbon in Different Coastal Wetland Soils of Laizhou Bay, Bohai Sea. Wetlands, 2017, 37, 163-175.	0.7	7
93	Source, transformation and degradation of particulate organic matter and its connection to microbial processes in Jiaozhou Bay, North China. Estuarine, Coastal and Shelf Science, 2021, 260, 107501.	0.9	7
94	Biogeochemical characteristics and microbial response to indicate degradation of organic matter around Pair-summit Seamounts in the Tropical Western Pacific Ocean. Ecological Indicators, 2022, 136, 108637.	2.6	7
95	Dissolved inorganic tin sources and its coupling with eco-environments in Bohai Bay. Environmental Monitoring and Assessment, 2012, 184, 1335-1349.	1.3	6
96	The origins and implications of glycerol ether lipids in China coastal wetland sediments. Scientific Reports, 2019, 9, 18529.	1.6	6
97	Characteristics and biogeochemical effects of oxygen minimum zones in typical seamount areas, Tropical Western Pacific. Journal of Oceanology and Limnology, 2021, 39, 1651-1661.	0.6	6
98	Toxic Octabromodiphenyl Ether Is Being Transported from Rich to PoorviaElectronic Waste. Ambio, 2009, 38, 115-117.	2.8	5
99	Sources and burial of particulate organic matter in the Kuroshio mainstream and its response to climate change over the past millennium. Geo-Marine Letters, 2018, 38, 497-511.	0.5	5
100	Biogenic matter characteristics, deposition flux correction, and internal phosphorus transformation in Jiaozhou Bay, North China. Journal of Marine Systems, 2019, 196, 1-13.	0.9	5
101	Combining sterols with stable carbon isotope as indicators for assessing the organic matter sources and primary productivity evolution in the coastal areas of the East China Sea. Continental Shelf Research, 2021, 223, 104446.	0.9	5
102	CO2 flux and seasonal variability in the turbidity maximum zone and surrounding area in the Changjiang River estuary. Chinese Journal of Oceanology and Limnology, 2015, 33, 222-232.	0.7	4
103	Characterization, Source and Risk of Pharmaceutically Active Compounds (PhACs) in the Snow Deposition Near Jiaozhou Bay, North China. Applied Sciences (Switzerland), 2019, 9, 1078.	1.3	4
104	Historical evolutions of sediment quality in bays under serious anthropogenic influences in China, basing on fuzzy comprehensive assessment of heavy metals. Environmental Science and Pollution Research, 2020, 27, 25933-25942.	2.7	4
105	Spatial variations of bacterial community composition in sediments of the Jiaozhou Bay, China. Journal of Oceanology and Limnology, 2021, 39, 865-879.	0.6	4
106	Historical reconstructions of sedimentary organic matter sources and phytoplankton evolution in the Jiaozhou Bay based on sterols and carbon isotope. Marine Pollution Bulletin, 2021, 165, 112109.	2.3	4
107	Bacteriohopanepolyols signature in sediments of the East China Sea and its indications for hypoxia and organic matter sources. Organic Geochemistry, 2021, 158, 104268.	0.9	4
108	Experiments and evidences: jellyfish (Nemopilema nomurai) decomposing and nutrients (nitrogen and) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	2

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109	Impact of water depth on the distribution of iGDGTs in the surface sediments from the northern South China Sea: applicability of TEX86 in marginal seas. Frontiers of Earth Science, 2018, 12, 95-107.	0.9	2
110	Seasonal dynamics of phytoplankton phosphorus stress in temperate Jiaozhou Bay, North China. Continental Shelf Research, 2021, 231, 104602.	0.9	2
111	Influence of bottom seawater oxygen on archaeal tetraether lipids in sediments: Implications for archaeal lipid-based proxies. Marine Chemistry, 2022, 244, 104138.	0.9	2
112	Paleoproductivity and climate evolution in the Kuroshio mainstream area over the past millennium. Ecological Indicators, 2021, 121, 107035.	2.6	1
113	Response and Potential Indication to Hypoxia in the Changjiang River Estuary and its Adjacent Waters: Insight From Redox-Sensitive Trace Elements in Sediment Core. Frontiers in Earth Science, 2022, 10, .	0.8	0