

Chun-Mao Tseng

List of Publications by Year in descending order

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55
papers

2,853
citations

147566

31
h-index

182168

51
g-index

55
all docs

55
docs citations

55
times ranked

2758
citing authors

#	ARTICLE	IF	CITATIONS
1	Sources, solubility, and dry deposition of aerosol trace elements over the East China Sea. <i>Marine Chemistry</i> , 2010, 120, 116-127.	0.9	240
2	Modern and Historic Atmospheric Mercury Fluxes in Northern Alaska: Global Sources and Arctic Depletion. <i>Environmental Science & Technology</i> , 2005, 39, 557-568.	4.6	199
3	The SouthEast Asian Time-series Study (SEATS) and the biogeochemistry of the South China Sea—An overview. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1434-1447.	0.6	173
4	A unique seasonal pattern in phytoplankton biomass in low-latitude waters in the South China Sea. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	151
5	Determination of the Mercury Complexation Characteristics of Dissolved Organic Matter in Natural Waters with Reducible Hg-Titrations. <i>Environmental Science & Technology</i> , 2003, 37, 3316-3322.	4.6	128
6	Biogeochemical Cycling of Methylmercury in Lakes and Tundra Watersheds of Arctic Alaska. <i>Environmental Science & Technology</i> , 2006, 40, 1204-1211.	4.6	123
7	Rapid and Quantitative Microwave-assisted Recovery of Methylmercury From Standard Reference Sediments. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 629-635.	1.6	94
8	Nutrient dynamics and N-anomaly at the SEATS station. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1528-1545.	0.6	94
9	Seasonal variability of picoplankton in the Northern South China Sea at the SEATS station. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1602-1616.	0.6	79
10	Water-soluble species in the marine aerosol from the northern South China Sea: High chloride depletion related to air pollution. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	77
11	Yangtze River floods enhance coastal ocean phytoplankton biomass and potential fish production. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	75
12	Temporal variations in the carbonate system in the upper layer at the SEATS station. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1448-1468.	0.6	73
13	Cycling of dissolved elemental mercury in Arctic Alaskan lakes. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1173-1184.	1.6	71
14	Seasonal and interannual variability of carbon cycle in South China Sea: A three-dimensional physical-biogeochemical modeling study. <i>Journal of Oceanography</i> , 2009, 65, 703-720.	0.7	70
15	Determination of Methylmercury in Environmental Matrixes by On-Line Flow Injection and Atomic Fluorescence Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 7131-7136.	3.2	68
16	Carbon isotopic composition of suspended and sinking particulate organic matter in the northern South China Sea—From production to deposition. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1504-1527.	0.6	62
17	Speciation of Mercury in a Fluid Mud Profile of a Highly Turbid Macrotidal Estuary (Gironde, France). <i>Environmental Science & Technology</i> , 2001, 35, 2627-2633.	4.6	60
18	Mercury in the Anthropocene Ocean. <i>Oceanography</i> , 2014, 27, 76-87.	0.5	60

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19	<i>Alteromonas tagae</i> sp. nov. and <i>Alteromonas simiduii</i> sp. nov., mercury-resistant bacteria isolated from a Taiwanese estuary. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1209-1216.	0.8	56
20	The carbonate system in the East China Sea in winter. <i>Marine Chemistry</i> , 2011, 123, 44-55.	0.9	55
21	The significance of phytoplankton photo-adaptation and benthic-pelagic coupling to primary production in the South China Sea: Observations and numerical investigations. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1546-1574.	0.6	54
22	Inter-annual variation of chlorophyll in the northern South China Sea observed at the SEATS Station and its asymmetric responses to climate oscillation. <i>Biogeosciences</i> , 2013, 10, 7449-7462.	1.3	52
23	CO ₂ uptake in the East China Sea relying on Changjiang runoff is prone to change. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	51
24	Interferences generated by organic and inorganic compounds during organotin speciation using hydride generation coupled with cryogenic trapping, gas chromatographic separation and detection by atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1994, 286, 343-355.	2.6	50
25	Field cryofocussing hydride generation applied to the simultaneous multi-elemental determination of alkyl-metal(loid) species in natural waters using ICP-MS detection. <i>Journal of Environmental Monitoring</i> , 2000, 2, 603-612.	2.1	45
26	Seasonal Variability of Carbon Chemistry at the SEATS Site, Northern South China Sea Between 2002 and 2003. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2005, 16, 445.	0.3	45
27	Importance of planktonic community respiration on the carbon balance of the East China Sea in summer. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	43
28	Depth distributions of alkalinity, TCO ₂ and at SEATS time-series site in the northern South China Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1469-1485.	0.6	40
29	Seasonality of CO ₂ in coastal oceans altered by increasing anthropogenic nutrient delivery from large rivers: evidence from the Changjiang-East China Sea system. <i>Biogeosciences</i> , 2013, 10, 3889-3899.	1.3	40
30	Tungsten and other heavy metal contamination in aquatic environments receiving wastewater from semiconductor manufacturing. <i>Journal of Hazardous Materials</i> , 2011, 189, 193-202.	6.5	36
31	A super Asian dust storm over the East and South China Seas: Disproportionate dust deposition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7169-7181.	1.2	36
32	Estimated net community production during the summertime at the SEATS time-series study site, northern South China Sea: Implications for nitrogen fixation. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	34
33	Prokaryotic assemblages and metagenomes in pelagic zones of the South China Sea. <i>BMC Genomics</i> , 2015, 16, 219.	1.2	33
34	A unique seasonal pattern in dissolved elemental mercury in the South China Sea, a tropical and monsoon-dominated marginal sea. <i>Geophysical Research Letters</i> , 2013, 40, 167-172.	1.5	31
35	Bluefin tuna reveal global patterns of mercury pollution and bioavailability in the world's oceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	29
36	Anomalous hydrographic and biological conditions in the northern South China Sea during the 1997-1998 El Niño and comparisons with the equatorial Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 2129-2143.	0.6	27

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37	Adsorption of aqueous inorganic mercury and methylmercury on suspended kaolin: influence of sodium chloride, fulvic acid and particle content. <i>Applied Organometallic Chemistry</i> , 2001, 15, 490-498.	1.7	26
38	Synthesis of observed air-sea CO ₂ exchange fluxes in the river-dominated East China Sea and improved estimates of annual and seasonal net mean fluxes. <i>Biogeosciences</i> , 2014, 11, 3855-3870.	1.3	26
39	Anomalous biogeochemical conditions in the northern South China Sea during the El Niño events between 1997 and 2003. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	25
40	Seasonal changes in gaseous elemental mercury in relation to monsoon cycling over the northern South China Sea. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7341-7350.	1.9	25
41	Dissolved Elemental Mercury Investigations in Long Island Sound Using On-Line Au Amalgamation-Flow Injection Analysis. <i>Environmental Science & Technology</i> , 2003, 37, 1183-1188.	4.6	24
42	Optimization of Heating Programs of Gfaas for the Determination of Cd, Cu, Ni, Pb, and Zn in Sediments Using Sequential Extraction Technique. <i>International Journal of Environmental Analytical Chemistry</i> , 1993, 50, 193-205.	1.8	16
43	Development of a novel on-line flow injection mercury analyzer to determine gaseous elemental mercury over the northern South China Sea. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 526.	1.6	10
44	Spatiotemporal Variations in Dissolved Elemental Mercury in the River-Dominated and Monsoon-Influenced East China Sea: Drivers, Budgets, and Implications. <i>Environmental Science & Technology</i> , 2020, 54, 3988-3995.	4.6	10
45	Controlling mechanisms and cross linkages of ecosystem metabolism and atmospheric CO ₂ flux in the northern South China Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 157, 103205.	0.6	7
46	Short time dissolution kinetics of refractory elements Fe, Al, and Ti in Asian outflow-impacted marine aerosols and implications. <i>Atmospheric Environment</i> , 2013, 79, 93-100.	1.9	6
47	Cryofocusing for on-line metal and metalloid speciation in the environment. <i>Analytical Spectroscopy Library</i> , 1999, 9, 375-406.	0.1	5
48	Determination of low-level mercury in coralline aragonite by calcination-isotope dilution-inductively coupled plasma-mass spectrometry and its application to Diploria specimens from Castle Harbour, Bermuda. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 27-37.	1.6	5
49	Observation of internal tide-induced nutrient upwelling in Hungtsai Trough, a submarine canyon in the northern South China Sea. <i>Continental Shelf Research</i> , 2016, 120, 59-67.	0.9	4
50	Field determination of inorganic mercury in seawaters by a portable dual-channel and purge-and-trap system with atomic fluorescence spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 7198-7213.	1.8	4
51	Probing the outfall-related anomalous Hg levels in the Danshuei Estuarine Coastal, Taiwan. <i>Marine Pollution Bulletin</i> , 2022, 181, 113840.	2.3	3
52	Mercury in the Alaskan Arctic. , 2014, , 287-302.		2
53	ELEVATED PHYTOPLANKTON BIOMASS IN MARGINAL SEAS IN THE LOW LATITUDE OCEAN: A CASE STUDY OF THE SOUTH CHINA SEA. , 0, , 1-17.		1
54	The SouthEast Asian Time-series Study (SEATS). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1433.	0.6	0

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55	Corrigendum to "Inter-annual variation of chlorophyll in the northern South China Sea observed at the SEATS Station and its asymmetric responses to climate oscillation" published in Biogeosciences, 10, 7449-7462, 2013. Biogeosciences, 2014, 11, 6263-6264.	1.3	0