

Liang-Saw Wen

List of Publications by Year in descending order

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50
papers

2,586
citations

257357

24
h-index

197736

49
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50
all docs

50
docs citations

50
times ranked

2542
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace metal distributions and fluxes in the Taiwan Strait. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 259, 107485.	0.9	2
2	Physical and chemical characterization of dissolved arsenic in the South China Sea. <i>Marine Chemistry</i> , 2019, 209, 128-138.	0.9	4
3	An Ultra-clean Multilayer Apparatus for Collecting Size Fractionated Marine Plankton and Suspended Particles. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	3
4	Vertical distributions and diurnal variations of high-molecular-weight dissolved arsenic in the oligotrophic ocean. <i>Limnology and Oceanography</i> , 2017, 62, 2200-2212.	1.6	4
5	Clean Sampling and Analysis of River and Estuarine Waters for Trace Metal Studies. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	0
6	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
7	Binding of Th, Pa, Pb, Po and Be radionuclides to marine colloidal macromolecular organic matter. <i>Marine Chemistry</i> , 2015, 173, 320-329.	0.9	38
8	Prokaryotic assemblages and metagenomes in pelagic zones of the South China Sea. <i>BMC Genomics</i> , 2015, 16, 219.	1.2	33
9	Distributions of ²¹⁰ Pb and ²¹⁰ Po in surface water surrounding Taiwan: A synoptic observation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 117, 155-166.	0.6	10
10	The isotopic composition of dissolved cadmium in the water column of the West Philippine Sea. <i>Frontiers in Marine Science</i> , 2014, 1, .	1.2	9
11	Spatial and Temporal Distribution of Trace Metals (Cd, Cu, Ni, Pb, and Zn) in Coastal Waters off the West Coast of Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2014, 25, 121.	0.3	3
12	Distribution and Removal of Silver and Lead in the Nearshore Waters of Western Taiwan. <i>Estuaries and Coasts</i> , 2013, 36, 854-865.	1.0	2
13	Distribution and lability of dissolved iron in surface waters of marginal seas in southeastern Asia. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 100, 142-149.	0.9	18
14	Geochemical behavior of ²¹⁰ Pb and ²¹⁰ Po in the nearshore waters off western Taiwan. <i>Marine Pollution Bulletin</i> , 2012, 64, 214-220.	2.3	18
15	Distributions and removal fluxes of trace metals in the water column of the Hung-Tsai Trough off southwestern Taiwan. <i>Marine Pollution Bulletin</i> , 2012, 64, 1122-1128.	2.3	4
16	Removal fluxes of Mn and Fe from the nearshore waters along the west coast of Taiwan. <i>Marine Pollution Bulletin</i> , 2011, 62, 1081-1087.	2.3	5
17	Molecular weight and chemical reactivity of dissolved trace metals (Cd, Cu, Ni) in surface waters from the Mississippi River to Gulf of Mexico. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 92, 649-658.	0.9	23
18	Size fractionation and molecular composition of water-soluble inorganic and organic nitrogen in aerosols of a coastal environment. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44

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19	Scavenging Phenomenon Elucidated from ²³⁴ Th/ ²³⁸ U Disequilibrium in Surface Water of the Taiwan Strait. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2010, 21, 713.	0.3	2
20	Distribution and Behaviors of Cd, Cu, and Ni in the East China Sea Surface Water off the Changjiang Estuary. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 433.	0.3	16
21	Comparative Geochemistry of ²³⁴ Th, ²¹⁰ Pb, and ²¹⁰ Po: A Case Study in the Hung-Tsai Trough off Southwestern Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 411.	0.3	16
22	Intra-annual variability of distribution patterns and fluxes of dissolved trace metals in a subtropical estuary (Danshuei River, Taiwan). <i>Journal of Marine Systems</i> , 2009, 75, 87-99.	0.9	23
23	Nearshore scavenging phenomenon elucidated by ²³⁴ th/ ²³⁸ u disequilibrium in the coastal waters off Western Taiwan. <i>Journal of Oceanography</i> , 2009, 65, 137-150.	0.7	7
24	Cadmium and phosphorus cycling in the water column of the South China Sea: The roles of biotic and abiotic particles. <i>Marine Chemistry</i> , 2009, 115, 125-133.	0.9	40
25	Seasonal variation and flux of dissolved nutrients in the Danshuei Estuary, Taiwan: A hypoxic subtropical mountain river. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 78, 694-704.	0.9	65
26	The role of organic carbon, iron, and aluminium oxyhydroxides as trace metal carriers: Comparison between the Trinity River and the Trinity River Estuary (Galveston Bay, Texas). <i>Marine Chemistry</i> , 2008, 112, 20-37.	0.9	50
27	The trace metal composition of size-fractionated plankton in the South China Sea: Biotic versus abiotic sources. <i>Limnology and Oceanography</i> , 2007, 52, 1776-1788.	1.6	89
28	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
29	Transport of the South China Sea subsurface water outflow and its influence on carbon chemistry of Kuroshio waters off southeastern Taiwan. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	46
30	Carbon and nitrogen isotopic compositions of particulate organic matter and biogeochemical processes in the eutrophic Danshuei Estuary in northern Taiwan. <i>Science of the Total Environment</i> , 2007, 382, 103-120.	3.9	75
31	Modelling diagnosis of heavy metal (copper) transport in an estuary. <i>Science of the Total Environment</i> , 2007, 388, 234-249.	3.9	22
32	Physicochemical speciation of bioactive trace metals (Cd, Cu, Fe, Ni) in the oligotrophic South China Sea. <i>Marine Chemistry</i> , 2006, 101, 104-129.	0.9	73
33	Trace metal (Cd, Cu, Ni and Pb) partitioning, affinities and removal in the Danshuei River estuary, a macro-tidal, temporally anoxic estuary in Taiwan. <i>Marine Chemistry</i> , 2005, 96, 293-313.	0.9	66
34	A preliminary study of the distributions of Cd in the South China Sea. <i>Continental Shelf Research</i> , 2005, 25, 297-310.	0.9	9
35	Dissolved inorganic phosphorus, dissolved iron, and Trichodesmium in the oligotrophic South China Sea. <i>Global Biogeochemical Cycles</i> , 2003, 17, 8-1-8-10.	1.9	189
36	Nitrate anomaly in the upper nutricline in the northern South China Sea - Evidence for nitrogen fixation. <i>Geophysical Research Letters</i> , 2002, 29, 12-1-12-4.	1.5	69

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37	Evidence and quantification of the correlation between radar backscatter and ocean colour supported by simultaneously acquired in situ sea truth. <i>Geophysical Research Letters</i> , 2002, 29, 102-1-102-4.	1.5	24
38	Silver concentrations in Colorado, USA, watersheds using improved methodology. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2040-2051.	2.2	49
39	Silver concentrations in Colorado, USA, watersheds using improved methodology. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2040-51.	2.2	3
40	Accumulation rates and sources of sediments and organic carbon on the Palos Verdes shelf based on radioisotopic tracers (¹³⁷ Cs, ^{239,240} Pu, ²¹⁰ Pb, ²³⁴ Th, ²³⁸ U and ¹⁴ C). <i>Marine Chemistry</i> , 2001, 73, 125-152.	0.9	57
41	Transport and diagenesis of trace metals and organic matter in Palos Verdes shelf sediments affected by a wastewater outfall. <i>Marine Chemistry</i> , 2001, 73, 153-171.	0.9	17
42	Box Coring Artifacts in Sediments Affected by a Waste Water Outfall. <i>Marine Pollution Bulletin</i> , 2001, 42, 267-272.	2.3	4
43	Soluble and Colloidal Iron in the Oligotrophic North Atlantic and North Pacific. <i>Science</i> , 2001, 293, 847-849.	6.0	409
44	Analysis of biogenic thiols in natural water samples by high-performance liquid chromatographic separation and fluorescence detection with ammonium 7-fluorobenzo-2-oxa-1,3-diazole-4-sulfonate (SBD-F). <i>Analytica Chimica Acta</i> , 2000, 408, 299-307.	2.6	56
45	Re-examination of cross-flow ultrafiltration for sampling aquatic colloids: evidence from molecular probes. <i>Marine Chemistry</i> , 2000, 69, 75-90.	0.9	139
46	Estuarine trace metal distributions in Galveston Bay: importance of colloidal forms in the speciation of the dissolved phase. <i>Marine Chemistry</i> , 1999, 63, 185-212.	0.9	240
47	Trace metal analysis of natural waters by ICP-MS with on-line preconcentration and ultrasonic nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 247-252.	1.6	64
48	Colloidal and Particulate Silver in River and Estuarine Waters of Texas. <i>Environmental Science & Technology</i> , 1997, 31, 723-731.	4.6	135
49	Interactions between radioactively labeled colloids and natural particles: Evidence for colloidal pumping. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 2867-2878.	1.6	93
50	An ultraclean cross-flow ultrafiltration technique for the study of trace metal phase speciation in seawater. <i>Marine Chemistry</i> , 1996, 55, 129-152.	0.9	121