

Chih-Feng Chen

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,280
citations

304743

22
h-index

233421

45
g-index

80
all docs

80
docs citations

80
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence and emission of polycyclic aromatic hydrocarbons from water treatment plant sludge in Taiwan. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 1190-1200.	2.2	2
2	Assessment of polycyclic aromatic hydrocarbons in seafood collected from coastal aquaculture ponds in Taiwan and human health risk assessment. <i>Journal of Hazardous Materials</i> , 2022, 421, 126708.	12.4	27
3	The effect of heavy rainfall on the exposure risks of sedimentary phthalate esters to aquatic organisms. <i>Chemosphere</i> , 2022, 290, 133204.	8.2	10
4	Method Development for Low-Concentration PAHs Analysis in Seawater to Evaluate the Impact of Ship Scrubber Washwater Effluents. <i>Water (Switzerland)</i> , 2022, 14, 287.	2.7	10
5	Spatiotemporal Variation and Ecological Risk Assessment of Heavy Metals in Industrialized Urban River Sediments: Fengshan River in Southern Taiwan as a Case Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1013.	2.5	7
6	Evaluation of polycyclic aromatic hydrocarbons in silky sharks <i>Carcharhinus falciformis</i> collected from Western Indian Ocean and human health risk assessment. <i>Science of the Total Environment</i> , 2022, 822, 153675.	8.0	3
7	Seasonal Variation of Phthalate Esters in Urban River Sediments: A Case Study of Fengshan River System in Taiwan. <i>Sustainability</i> , 2022, 14, 347.	3.2	6
8	Development of alternative disposals for waste rice husk and dredged harbor sediment by sintering as lightweight aggregates. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-12.	2.2	1
9	Butyltin Contamination in Fishing Port Sediments after the Ban of Tributyltin Antifouling Paint: A Case of Qianzhen Fishing Port in Taiwan. <i>Water (Switzerland)</i> , 2022, 14, 813.	2.7	7
10	Impacts of Fishing Vessels on the Heavy Metal Contamination in Sediments: A Case Study of Qianzhen Fishing Port in Southern Taiwan. <i>Water (Switzerland)</i> , 2022, 14, 1174.	2.7	24
11	Assessment of trace metal concentrations in Indian Ocean silky sharks <i>Carcharhinus falciformis</i> and their toxicological concerns. <i>Marine Pollution Bulletin</i> , 2022, 178, 113571.	5.0	5
12	Impacts of microplastics on scleractinian corals nearshore Liuqiu Island southwestern Taiwan. <i>Environmental Pollution</i> , 2022, 306, 119371.	7.5	13
13	Occurrence and ecological risks of PAHs in the dissolved and particulate phases of coastal surface water of Taiwan. <i>Regional Studies in Marine Science</i> , 2022, 54, 102503.	0.7	2
14	Potential sources and toxicity risks of polycyclic aromatic hydrocarbons in surface sediments of commercial ports in Taiwan. <i>Marine Pollution Bulletin</i> , 2022, 181, 113924.	5.0	11
15	Profile and consumption risk assessment of trace elements in megamouth sharks (<i>Megachasma</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 116161.	7.5	9
16	Distribution and environmental risk assessment of trace metals in sludge from multiple sources in Taiwan. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 481-491.	1.7	9
17	Application of Basic Oxygen Furnace Slag in Increased Utilization of Dredged Harbor Sediment. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 704-717.	2.3	4
18	Concurrent assessment of water parameters and vital-based zooplankton community in an industrial harbor. <i>Regional Studies in Marine Science</i> , 2021, 46, 101887.	0.7	0

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19	Seasonal variation of diversity, weathering, and inventory of microplastics in coast and harbor sediments. <i>Science of the Total Environment</i> , 2021, 781, 146610.	8.0	38
20	Dry and wet seasonal variation of total mercury, inorganic mercury, and methylmercury formation in estuary and harbor sediments. <i>Journal of Environmental Management</i> , 2020, 253, 109683.	7.8	14
21	Biometry-dependent metal bioaccumulation in aquaculture shellfishes in southwest Taiwan and consumption risk. <i>Chemosphere</i> , 2020, 253, 126685.	8.2	12
22	Detecting phthalate esters in sludge particulates from wastewater treatment plants. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1233-1240.	1.7	11
23	Percarbonate mediated advanced oxidation completely degrades recalcitrant pesticide imidacloprid: Role of reactive oxygen species and transformation products. <i>Separation and Purification Technology</i> , 2020, 250, 117269.	7.9	50
24	Distribution, sources, and behavior of PAHs in estuarine water systems exemplified by Salt River, Taiwan. <i>Marine Pollution Bulletin</i> , 2020, 154, 111029.	5.0	53
25	Microplastics and their affiliated PAHs in the sea surface connected to the southwest coast of Taiwan. <i>Chemosphere</i> , 2020, 254, 126818.	8.2	55
26	Nonionic and anionic surfactant-washing of polycyclic aromatic hydrocarbons in estuarine sediments around an industrial harbor in southern Taiwan. <i>Chemosphere</i> , 2020, 256, 127044.	8.2	14
27	Spatial distribution and ecological risk assessment of sediment metals in a highly industrialized coastal zone southwestern Taiwan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 14717-14731.	5.3	16
28	Effect of metals on zooplankton abundance and distribution in the coast of southwestern Taiwan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33722-33731.	5.3	18
29	The distribution of methylmercury in estuary and harbor sediments. <i>Science of the Total Environment</i> , 2019, 691, 55-63.	8.0	7
30	Changes in the total content and speciation patterns of metals in the dredged sediments after ocean dumping: Taiwan continental slope. <i>Ocean and Coastal Management</i> , 2019, 181, 104893.	4.4	24
31	Determination of Polycyclic Aromatic Hydrocarbons in Sludge from Water and Wastewater Treatment Plants by GC-MS. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2604.	2.6	22
32	Assessment of ex-situ chemical washing of heavy metals from estuarine sediments around an industrial harbor in Southern Taiwan. <i>Journal of Soils and Sediments</i> , 2019, 19, 3108-3122.	3.0	7
33	An integrative assessment to determine the sediment toxicity of Kaohsiung Harbor in Taiwan: combining chemical analysis and cytotoxicity assay. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34321-34331.	5.3	6
34	Characteristics of trichloroethene (TCE) dechlorination in seawater over a granulated zero-valent iron. <i>Chemosphere</i> , 2019, 216, 40-47.	8.2	17
35	Impact of disposal of dredged material on sediment quality in the Kaohsiung Ocean Dredged Material Disposal Site, Taiwan. <i>Chemosphere</i> , 2018, 191, 555-565.	8.2	23
36	Spatial and Temporal Distribution of Di-(2-ethylhexyl) Phthalate in Urban River Sediments. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2228.	2.6	12

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37	Methylmercury in Industrial Harbor Sediments in Taiwan: First Observations on its Occurrence, Distribution, and Measurement. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1765.	2.6	10
38	Assessment of heavy metals in aquaculture fishes collected from southwest coast of Taiwan and human consumption risk. <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 314-325.	3.9	49
39	Determination and assessment of phthalate esters content in sediments from Kaohsiung Harbor, Taiwan. <i>Marine Pollution Bulletin</i> , 2017, 124, 767-774.	5.0	71
40	Phthalate ester distributions and its potential-biodegradation microbes in the sediments of Kaohsiung Ocean Dredged Material Disposal Site, Taiwan. <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 233-242.	3.9	13
41	Assessment of the bioaccumulation and biodegradation of butyltin compounds by <i>Thalassia crenata</i> in Kaohsiung Harbor, Taiwan. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 97-104.	3.9	9
42	Metal pollution and ecological risk assessment in the surface sediments of Anping Harbor, Taiwan. <i>Desalination and Water Treatment</i> , 2016, 57, 29274-29285.	1.0	6
43	Vertical profile, contamination assessment, and source apportionment of heavy metals in sediment cores of Kaohsiung Harbor, Taiwan. <i>Chemosphere</i> , 2016, 165, 67-79.	8.2	62
44	Evaluation of organic pollution and eutrophication status of Kaohsiung Harbor, Taiwan. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 318-324.	3.9	45
45	Metal accumulation in benthic invertebrates and sediments at the Kaohsiung Ocean Disposal Site, Taiwan. <i>Desalination and Water Treatment</i> , 2016, 57, 29254-29263.	1.0	10
46	Vertical profile, source apportionment, and toxicity of PAHs in sediment cores of a wharf near the coal-based steel refining industrial zone in Kaohsiung, Taiwan. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4786-4796.	5.3	24
47	Treatability assessment of polycyclic aromatic hydrocarbons contaminated marine sediments using permanganate, persulfate and Fenton oxidation processes. <i>Chemosphere</i> , 2016, 150, 294-303.	8.2	51
48	Removal of Polycyclic Aromatic Hydrocarbons from Sediments using Chemical Oxidation Processes. <i>Journal of Advanced Oxidation Technologies</i> , 2015, 18, .	0.5	2
49	Seasonal and spatial distribution of 4-nonylphenol and 4-tert-octylphenol in the sediment of Kaohsiung Harbor, Taiwan. <i>Chemosphere</i> , 2015, 134, 588-597.	8.2	50
50	Composition and source of butyltins in sediments of Kaohsiung Harbor, Taiwan. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 156, 134-143.	2.1	27
51	Evaluating the leachable metals in Kaohsiung Harbor sediment using the toxicity characteristic leaching procedure (TCLP). <i>Desalination and Water Treatment</i> , 2015, 54, 1260-1269.	1.0	8
52	Removal of polycyclic aromatic hydrocarbons from sediments using sodium persulfate activated by temperature and nanoscale zero-valent iron. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 375-383.	1.9	36
53	Platinum particles supported on mesoporous carbons: fabrication and electrocatalytic performance in methanol-tolerant oxygen-reduction reactions. <i>Scientific Reports</i> , 2015, 4, 5790.	3.3	18
54	Material characterization and electrochemical performance of copper-based rare earth composite oxide electrodes for use in ammonia electrocatalytic oxidation. <i>Desalination and Water Treatment</i> , 2015, 54, 1054-1060.	1.0	5

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55	Zinc Contamination in Sediments of Southern Kaohsiung Harbor, Taiwan. Applied Mechanics and Materials, 2014, 535, 474-477.	0.2	0
56	Vertical profile, sources, and equivalent toxicity of polycyclic aromatic hydrocarbons in sediment cores from the river mouths of Kaohsiung Harbor, Taiwan. Marine Pollution Bulletin, 2014, 85, 665-671.	5.0	32
57	Synthesis of Platinum Particles Supported on Microporous Carbons for an Electrocatalysis Study of Ammonia and Cytotoxicity. Journal of Advanced Oxidation Technologies, 2014, 17, .	0.5	0
58	Distribution and contamination status of chromium in surface sediments of northern Kaohsiung Harbor, Taiwan. Journal of Environmental Sciences, 2013, 25, 1450-1457.	6.1	15
59	Metal Speciation and Contamination in Dredged Harbor Sediments from Kaohsiung Harbor, Taiwan. Soil and Sediment Contamination, 2013, 22, 546-561.	1.9	20
60	Assessment of toxicity of polycyclic aromatic hydrocarbons in sediments of Kaohsiung Harbor, Taiwan. Science of the Total Environment, 2013, 463-464, 1174-1181.	8.0	85
61	Distribution of Phthalate Esters in Sediments of Kaohsiung Harbor, Taiwan. Soil and Sediment Contamination, 2013, 22, 119-131.	1.9	56
62	Distribution, enrichment, accumulation and potential ecological risks of mercury in the sediments of Kaohsiung Harbor, Taiwan. Chemistry and Ecology, 2013, 29, 693-708.	1.6	11
63	Distribution and Source of Polycyclic Aromatic Hydrocarbons in the Sediments of Northern Kaohsiung Harbor, Taiwan. Journal of Biobased Materials and Bioenergy, 2013, 7, 481-486.	0.3	1
64	Determination of Polycyclic Aromatic Hydrocarbons in Industrial Harbor Sediments by GC-MS. International Journal of Environmental Research and Public Health, 2012, 9, 2175-2188.	2.6	112
65	Distribution and Source of Polycyclic Aromatic Hydrocarbons in Surface Sediments of Salt River Mouth. , 2012, , .		0
66	Composition and source apportionment of PAHs in sediments at river mouths and channel in Kaohsiung Harbor, Taiwan. Journal of Environmental Monitoring, 2012, 14, 105-115.	2.1	77
67	Distribution and Accumulation of Mercury in Sediments of Kaohsiung River Mouth, Taiwan. APCBEE Procedia, 2012, 1, 153-158.	0.5	56
68	Distribution and Enrichment Evaluation of Cadmium in the Sediments of Canon River Mouth, Taiwan. Energy Procedia, 2012, 16, 895-900.	1.8	4
69	Copper Contamination in the Sediments of Salt River Mouth, Taiwan. Energy Procedia, 2012, 16, 901-906.	1.8	19
70	Enrichment, Accumulation and Ecological Risk Evaluation of Cadmium in the Surface Sediments of Jen-GenRiver Estuary, Taiwan. International Journal of Chemical Engineering and Applications (IJCEA), 2012, , 370-373.	0.3	2
71	Distribution, origin, and potential toxicological significance of polycyclic aromatic hydrocarbons (PAHs) in sediments of Kaohsiung Harbor, Taiwan. Marine Pollution Bulletin, 2011, 63, 417-423.	5.0	172
72	Butyltin contamination in sediments and seawater from Kaohsiung Harbor, Taiwan. Environmental Monitoring and Assessment, 2010, 169, 75-87.	2.7	32

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73	Mathematical Modeling and Simulation of Ocean Disposal of Harbor Dredged Materials. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2007, 11, 207-213.	0.4	2
74	Distribution and accumulation of heavy metals in the sediments of Kaohsiung Harbor, Taiwan. Chemosphere, 2007, 66, 1431-1440.	8.2	493
75	Distribution, Enrichment, Accumulation, and Potential Ecological Effect of Lead in the Sediment of Jen-Gen River Estuary, Taiwan. Advanced Materials Research, 0, 599, 533-536.	0.3	0
76	Chromium Contamination in Sediments of Anping Harbor, Taiwan. Applied Mechanics and Materials, 0, 535, 287-292.	0.2	0
77	Effect of operating parameters on trichloroethylene degradation by extended release of nanoscale zero-valent iron. Desalination and Water Treatment, 0, , 1-10.	1.0	6
78	Metal distributions in the Kaohsiung Ocean dredged material disposal site, Taiwan. , 0, , 366-374.		11
79	Contamination and Potential Ecological Risk of Mercury in Sediments of Kaohsiung River Mouth, Taiwan. International Journal of Environmental Science and Development, 0, , 66-71.	0.6	11
80	Contamination of Zinc in Sediments at River Mouths and Channel in Northern Kaohsiung Harbor, Taiwan. International Journal of Environmental Science and Development, 0, , 517-521.	0.6	18