

Chih-Feng Chen

List of Publications by Year in descending order

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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	Distribution and accumulation of heavy metals in the sediments of Kaohsiung Harbor, Taiwan. <i>Chemosphere</i> , 2007, 66, 1431-1440.	8.2	493
2	Distribution, origin, and potential toxicological significance of polycyclic aromatic hydrocarbons (PAHs) in sediments of Kaohsiung Harbor, Taiwan. <i>Marine Pollution Bulletin</i> , 2011, 63, 417-423.	5.0	172
3	Determination of Polycyclic Aromatic Hydrocarbons in Industrial Harbor Sediments by GC-MS. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 2175-2188.	2.6	112
4	Assessment of toxicity of polycyclic aromatic hydrocarbons in sediments of Kaohsiung Harbor, Taiwan. <i>Science of the Total Environment</i> , 2013, 463-464, 1174-1181.	8.0	85
5	Composition and source apportionment of PAHs in sediments at river mouths and channel in Kaohsiung Harbor, Taiwan. <i>Journal of Environmental Monitoring</i> , 2012, 14, 105-115.	2.1	77
6	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
7	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
8	Distribution and Accumulation of Mercury in Sediments of Kaohsiung River Mouth, Taiwan. <i>APCBEE Procedia</i> , 2012, 1, 153-158.	0.5	56
9	Distribution of Phthalate Esters in Sediments of Kaohsiung Harbor, Taiwan. <i>Soil and Sediment Contamination</i> , 2013, 22, 119-131.	1.9	56
10	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
11	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
12	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
13	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
14	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
15	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
16	Evaluation of organic pollution and eutrophication status of Kaohsiung Harbor, Taiwan. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 318-324.	3.9	45
17	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
18	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

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19	Butyltin contamination in sediments and seawater from Kaohsiung Harbor, Taiwan. <i>Environmental Monitoring and Assessment</i> , 2010, 169, 75-87.	2.7	32
20	Vertical profile, sources, and equivalent toxicity of polycyclic aromatic hydrocarbons in sediment cores from the river mouths of Kaohsiung Harbor, Taiwan. <i>Marine Pollution Bulletin</i> , 2014, 85, 665-671.	5.0	32
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Metal Speciation and Contamination in Dredged Harbor Sediments from Kaohsiung Harbor, Taiwan. <i>Soil and Sediment Contamination</i> , 2013, 22, 546-561.	1.9	20
29	Copper Contamination in the Sediments of Salt River Mouth, Taiwan. <i>Energy Procedia</i> , 2012, 16, 901-906.	1.8	19
30	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
31	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
32	Contamination of Zinc in Sediments at River Mouths and Channel in Northern Kaohsiung Harbor, Taiwan. <i>International Journal of Environmental Science and Development</i> , 0, , 517-521.	0.6	18
33	Characteristics of trichloroethene (TCE) dechlorination in seawater over a granulated zero-valent iron. <i>Chemosphere</i> , 2019, 216, 40-47.	8.2	17
34	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
35	Distribution and contamination status of chromium in surface sediments of northern Kaohsiung Harbor, Taiwan. <i>Journal of Environmental Sciences</i> , 2013, 25, 1450-1457.	6.1	15
36	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

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37	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
38	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
39	Impacts of microplastics on scleractinian corals nearshore Liuqiu Island southwestern Taiwan. <i>Environmental Pollution</i> , 2022, 306, 119371.	7.5	13
40	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
41	Biometry-dependent metal bioaccumulation in aquaculture shellfishes in southwest Taiwan and consumption risk. <i>Chemosphere</i> , 2020, 253, 126685.	8.2	12
42	Distribution, enrichment, accumulation and potential ecological risks of mercury in the sediments of Kaohsiung Harbor, Taiwan. <i>Chemistry and Ecology</i> , 2013, 29, 693-708.	1.6	11
43	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
44	Metal distributions in the Kaohsiung Ocean dredged material disposal site, Taiwan. , 0, , 366-374.		11
45	Contamination and Potential Ecological Risk of Mercury in Sediments of Kaohsiung River Mouth, Taiwan. <i>International Journal of Environmental Science and Development</i> , 0, , 66-71.	0.6	11
46	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
47	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
48	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
49	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
50	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
51	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
52	Profile and consumption risk assessment of trace elements in megamouth sharks (<i>Megachasma</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 116161.	7.5	9
53	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
54	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

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55	The distribution of methylmercury in estuary and harbor sediments. <i>Science of the Total Environment</i> , 2019, 691, 55-63.	8.0	7
56	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
57	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
58	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
59	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
60	Effect of operating parameters on trichloroethylene degradation by extended release of nanoscale zero-valent iron. <i>Desalination and Water Treatment</i> , 0, , 1-10.	1.0	6
61	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
62	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
63	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
64	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
65	Distribution and Enrichment Evaluation of Cadmium in the Sediments of Canon River Mouth, Taiwan. <i>Energy Procedia</i> , 2012, 16, 895-900.	1.8	4
66	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
67	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
68	Mathematical Modeling and Simulation of Ocean Disposal of Harbor Dredged Materials. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2007, 11, 207-213.	0.4	2
69	Removal of Polycyclic Aromatic Hydrocarbons from Sediments using Chemical Oxidation Processes. <i>Journal of Advanced Oxidation Technologies</i> , 2015, 18, .	0.5	2
70	Enrichment, Accumulation and Ecological Risk Evaluation of Cadmium in the Surface Sediments of Jen-GenRiver Estuary, Taiwan. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2012, , 370-373.	0.3	2
71	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
72	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

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73	Distribution and Source of Polycyclic Aromatic Hydrocarbons in the Sediments of Northern Kaohsiung Harbor, Taiwan. <i>Journal of Biobased Materials and Bioenergy</i> , 2013, 7, 481-486.	0.3	1
74	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
75	Distribution, Enrichment, Accumulation, and Potential Ecological Effect of Lead in the Sediment of Jen-Gen River Estuary, Taiwan. <i>Advanced Materials Research</i> , 0, 599, 533-536.	0.3	0
76	Distribution and Source of Polycyclic Aromatic Hydrocarbons in Surface Sediments of Salt River Mouth. , 2012, , .		0
77	Chromium Contamination in Sediments of Anping Harbor, Taiwan. <i>Applied Mechanics and Materials</i> , 0, 535, 287-292.	0.2	0
78	Zinc Contamination in Sediments of Southern Kaohsiung Harbor, Taiwan. <i>Applied Mechanics and Materials</i> , 2014, 535, 474-477.	0.2	0
79	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
80	Synthesis of Platinum Particles Supported on Microporous Carbons for an Electrocatalysis Study of Ammonia and Cytotoxicity. <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	0