

Kay T Ho

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,291
citations

218677

26
h-index

214800

47
g-index

61
all docs

61
docs citations

61
times ranked

2716
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-enabled pesticides for sustainable agriculture and global food security. <i>Nature Nanotechnology</i> , 2022, 17, 347-360.	31.5	219
2	Phototoxicity of individual polycyclic aromatic hydrocarbons and petroleum to marine invertebrate larvae and juveniles. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 2190-2199.	4.3	201
3	Adapting OECD Aquatic Toxicity Tests for Use with Manufactured Nanomaterials: Key Issues and Consensus Recommendations. <i>Environmental Science & Technology</i> , 2015, 49, 9532-9547.	10.0	153
4	Detection and Quantification of Graphene-Family Nanomaterials in the Environment. <i>Environmental Science & Technology</i> , 2018, 52, 4491-4513.	10.0	147
5	Issues in sediment toxicity and ecological risk assessment. <i>Marine Pollution Bulletin</i> , 2002, 44, 271-278.	5.0	106
6	An overview of toxicant identification in sediments and dredged materials. <i>Marine Pollution Bulletin</i> , 2002, 44, 286-293.	5.0	93
7	Identification of acute toxicants in new bedford harbor sediments. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 551-558.	4.3	72
8	Development of a toxicity identification evaluation procedure for characterizing metal toxicity in marine sediments. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 982-991.	4.3	68
9	Stability and aggregation of silver and titanium dioxide nanoparticles in seawater: Role of salinity and dissolved organic carbon. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1023-1029.	4.3	68
10	Comparing Polychaete and Polyethylene Uptake to Assess Sediment Resuspension Effects on PCB Bioavailability. <i>Environmental Science & Technology</i> , 2009, 43, 2865-2870.	10.0	66
11	Toxicity, Bioaccumulation, and Biotransformation of Silver Nanoparticles in Marine Organisms. <i>Environmental Science & Technology</i> , 2014, 48, 13711-13717.	10.0	62
12	Bioaccumulation and toxicity of single-walled carbon nanotubes to benthic organisms at the base of the marine food chain. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1270-1277.	4.3	58
13	A comprehensive framework for evaluating the environmental health and safety implications of engineered nanomaterials. <i>Critical Reviews in Toxicology</i> , 2017, 47, 771-814.	3.9	54
14	USE OF POWDERED COCONUT CHARCOAL AS A TOXICITY IDENTIFICATION AND EVALUATION MANIPULATION FOR ORGANIC TOXICANTS IN MARINE SEDIMENTS. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 2124.	4.3	53
15	Effects of triclosan on marine benthic and epibenthic organisms. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1861-1866.	4.3	48
16	A molecular-based approach for examining responses of eukaryotes in microcosms to contaminant-spiked estuarine sediments. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 359-369.	4.3	48
17	Strategies for robust and accurate experimental approaches to quantify nanomaterial bioaccumulation across a broad range of organisms. <i>Environmental Science: Nano</i> , 2019, 6, 1619-1656.	4.3	48
18	Environmental biodegradability of [¹⁴ C] single-walled carbon nanotubes by <i>Trametes versicolor</i> and natural microbial cultures found in New Bedford Harbor sediment and aerated wastewater treatment plant sludge. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 247-251.	4.3	46

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19	Effects of graphene oxide nanomaterial exposures on the marine bivalve, <i>Crassostrea virginica</i> . <i>Aquatic Toxicology</i> , 2019, 216, 105297.	4.0	36
20	Toxicity characterization of an industrial and a municipal effluent discharging to the marine environment. <i>Marine Pollution Bulletin</i> , 1995, 30, 524-535.	5.0	35
21	DEVELOPMENT AND EVALUATION OF REVERSE POLYETHYLENE SAMPLERS FOR MARINE PHASE II WHOLE-SEDIMENT TOXICITY IDENTIFICATION EVALUATIONS. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 749.	4.3	32
22	Can sediment total organic carbon and grain size be used to diagnose organic enrichment in estuaries?. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 538-547.	4.3	31
23	What's causing toxicity in sediments? Results of twenty years of toxicity identification and evaluations (TIES). <i>Environmental Toxicology and Chemistry</i> , 2013, 32, n/a-n/a.	4.3	31
24	Aggregation, Sedimentation, Dissolution, and Bioavailability of Quantum Dots in Estuarine Systems. <i>Environmental Science & Technology</i> , 2017, 51, 1357-1363.	10.0	30
25	Fate and Transformation of Graphene Oxide in Estuarine and Marine Waters. <i>Environmental Science & Technology</i> , 2019, 53, 5858-5867.	10.0	28
26	Use of <i>Ulva Lactucata</i> to distinguish pH-dependent toxicants in marine waters and sediments. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 207-212.	4.3	27
27	Effects of single-walled carbon nanotubes on the bioavailability of PCBs in field-contaminated sediments. <i>Nanotoxicology</i> , 2014, 8, 111-117.	3.0	27
28	EVALUATION OF THE EFFECTS OF COAL FLY ASH AMENDMENTS ON THE TOXICITY OF A CONTAMINATED MARINE SEDIMENT. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 26.	4.3	26
29	Linkage of Genomic Biomarkers to Whole Organism End Points in a Toxicity Identification Evaluation (TIE). <i>Environmental Science & Technology</i> , 2013, 47, 1306-1312.	10.0	25
30	Importance of maternal transfer of the photoreactive polycyclic aromatic hydrocarbon fluoranthene from benthic adult bivalves to their pelagic larvae. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2691-2698.	4.3	23
31	Concentration and distribution of hydrophobic organic contaminants and metals in the estuaries of Ukraine. <i>Marine Pollution Bulletin</i> , 2009, 58, 1103-1115.	5.0	23
32	A 72-h exposure study with eastern oysters (<i>Crassostrea virginica</i>) and the nanomaterial graphene oxide. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 820-830.	4.3	22
33	A toxicity identification evaluation of silty marine harbor sediments to characterize persistent and non-persistent constituents. <i>Marine Pollution Bulletin</i> , 2003, 46, 56-64.	5.0	21
34	Application of Biomarker Tools Using Bivalve Models Toward the Development of Adverse Outcome Pathways for Contaminants of Emerging Concern. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1472-1484.	4.3	21
35	Use of a novel sediment exposure to determine the effects of triclosan on estuarine benthic communities. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 384-392.	4.3	18
36	Effects of micronized and nano-copper azole on marine benthic communities. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 362-375.	4.3	17

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37	Interlaboratory precision study of a whole sediment toxicity test with the bioluminescent bacterium <i>Vibrio fischeri</i> . <i>Environmental Toxicology</i> , 1999, 14, 339-345.	4.0	16
38	MARINE SEDIMENT TOXICITY IDENTIFICATION EVALUATION METHODS FOR THE ANIONIC METALS ARSENIC AND CHROMIUM. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 61.	4.3	16
39	Assessing the release of copper from nanocopper-treated and conventional copper-treated lumber into marine waters I: Concentrations and rates. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1956-1968.	4.3	16
40	Distribution, magnitude and characterization of the toxicity of Ukrainian estuarine sediments. <i>Marine Pollution Bulletin</i> , 2011, 62, 2442-2462.	5.0	15
41	Bioavailability assessment of a contaminated field sediment from Patrick Bayou, Texas, USA: Toxicity identification evaluation and equilibrium partitioning. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 742-750.	4.3	14
42	Cellular responses to <i>in vitro</i> exposures to β -blocking pharmaceuticals in hard clams and Eastern oysters. <i>Chemosphere</i> , 2018, 211, 360-370.	8.2	11
43	Assessing the environmental effects related to quantum dot structure, function, synthesis and exposure. <i>Environmental Science: Nano</i> , 2022, 9, 867-910.	4.3	11
44	Marine Sediment Toxicity Identification Evaluations (TIEs): History, Principles, Methods, and Future Research. , 2008, , 75-95.		10
45	Assessing the release of copper from nanocopper-treated and conventional copper-treated lumber into marine waters II: Forms and bioavailability. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1969-1979.	4.3	10
46	Use of <i>Ulva lactuca</i> to identify ammonia toxicity in marine and estuarine sediments. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 2852-2859.	4.3	9
47	Do Toxicity Identification and Evaluation Laboratory-Based Methods Reflect Causes of Field Impairment?. <i>Environmental Science & Technology</i> , 2009, 43, 6857-6863.	10.0	9
48	Contaminants, mutagenicity and toxicity in the surface waters of Kyiv, Ukraine. <i>Marine Pollution Bulletin</i> , 2020, 155, 111153.	5.0	9
49	Assessment of supercritical fluid extraction use in whole sediment toxicity identification evaluations. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 819-827.	4.3	7
50	On the likelihood of single-walled carbon nanotubes causing adverse marine ecological effects. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 472-474.	2.9	7
51	Recent Developments in Whole Sediment Toxicity Identification Evaluations: Innovations in Manipulations and Endpoints. <i>Handbook of Environmental Chemistry</i> , 2011, , 19-40.	0.4	7
52	Limitations of reverse polyethylene samplers (RePES) for evaluating toxicity of field contaminated sediments. <i>Chemosphere</i> , 2011, 83, 247-254.	8.2	6
53	Microplastics in the aquatic environment—Perspectives on the scope of the problem. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2259-2265.	4.3	6
54	Diagnosis of potential stressors adversely affecting benthic invertebrate communities in Greenwich Bay, Rhode Island, USA. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 449-462.	4.3	6

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55	IDENTIFICATION OF ACUTE TOXICANTS IN NEW BEDFORD HARBOR SEDIMENTS. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 551.	4.3	6
56	DEVELOPMENT OF A TOXICITY IDENTIFICATION EVALUATION PROCEDURE FOR CHARACTERIZING METAL TOXICITY IN MARINE SEDIMENTS. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 982.	4.3	6
57	Diagnosis of potential stressors adversely affecting benthic communities in New Bedford Harbor, MA (USA). <i>Integrated Environmental Assessment and Management</i> , 2012, 8, 685-702.	2.9	4
58	Particle-bound metal transport after removal of a small dam in the Pawtuxet River, Rhode Island, USA. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 675-685.	2.9	2
59	Magnitude of acute toxicity of marine sediments amended with conventional copper and nanocopper. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2677-2681.	4.3	2
60	IMPORTANCE OF MATERNAL TRANSFER OF THE PHOTOREACTIVE POLYCYCLIC AROMATIC HYDROCARBON FLUORANTHENE FROM BENTHIC ADULT BIVALVES TO THEIR PELAGIC LARVAE. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2691.	4.3	2
61	Challenges associated with performing environmental research on titanium dioxide nanoparticles in aquatic environments. <i>Integrated Environmental Assessment and Management</i> , 2018, 14, 298-300.	2.9	1