

Wei-Yu Chen

List of Publications by Year in descending order

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67
papers

936
citations

471509

17
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526287

27
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all docs

67
docs citations

67
times ranked

1601
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#	ARTICLE	IF	CITATIONS
1	Lung cancer risk in relation to traffic-related nano/ultrafine particle-bound PAHs exposure: A preliminary probabilistic assessment. <i>Journal of Hazardous Materials</i> , 2011, 190, 150-158.	12.4	82
2	Assessing the potential risks to zebrafish posed by environmentally relevant copper and silver nanoparticles. <i>Science of the Total Environment</i> , 2012, 420, 111-118.	8.0	59
3	Assessing bisphenol A (BPA) exposure risk from long-term dietary intakes in Taiwan. <i>Science of the Total Environment</i> , 2016, 543, 140-146.	8.0	48
4	Anemia risk in relation to lead exposure in lead-related manufacturing. <i>BMC Public Health</i> , 2017, 17, 389.	2.9	47
5	Assessing the potential exposure risk and control for airborne titanium dioxide and carbon black nanoparticles in the workplace. <i>Environmental Science and Pollution Research</i> , 2011, 18, 877-889.	5.3	42
6	Assessing human exposure risk to cadmium through inhalation and seafood consumption. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 353-361.	12.4	40
7	Assessing the cancer risk associated with arsenic-contaminated seafood. <i>Journal of Hazardous Materials</i> , 2010, 181, 161-169.	12.4	34
8	Acute toxicity and bioaccumulation of arsenic in freshwater clam <i>Corbicula fluminea</i> . <i>Environmental Toxicology</i> , 2008, 23, 702-711.	4.0	28
9	Physiologically based pharmacokinetic modeling of zinc oxide nanoparticles and zinc nitrate in mice. <i>International Journal of Nanomedicine</i> , 2015, 10, 6277.	6.7	27
10	<p>Association Between Ambient Air Pollution and Elevated Risk of Tuberculosis Development</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 3835-3847.	2.7	24
11	Toxicokinetics of tilapia following high exposure to waterborne and dietary copper and implications for coping mechanisms. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3771-3780.	5.3	23
12	Assessing coughing-induced influenza droplet transmission and implications for infection risk control. <i>Epidemiology and Infection</i> , 2016, 144, 333-345.	2.1	22
13	PBPK/PD assessment for Parkinson's disease risk posed by airborne pesticide paraquat exposure. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5359-5368.	5.3	21
14	Assessing the impact of waterborne and dietborne cadmium toxicity on susceptibility risk for rainbow trout. <i>Science of the Total Environment</i> , 2011, 409, 503-513.	8.0	20
15	A real-time biomonitoring system to detect arsenic toxicity by valve movement in freshwater clam <i>Corbicula fluminea</i> . <i>Ecotoxicology</i> , 2012, 21, 1177-1187.	2.4	20
16	Assessing the arsenic-contaminated rice (<i>Oryza sativa</i>) associated children skin lesions. <i>Journal of Hazardous Materials</i> , 2010, 176, 239-251.	12.4	19
17	Synthesis and measurement of valve activities by an improved online clam-based behavioral monitoring system. <i>Computers and Electronics in Agriculture</i> , 2013, 90, 106-118.	7.7	19
18	Bioavailability links mode of action can improve the long-term field risk assessment for tilapia exposed to arsenic. <i>Environment International</i> , 2009, 35, 727-736.	10.0	16

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19	Mathematical modeling of postcoinfection with influenza A virus and <i>Streptococcus pneumoniae</i> , with implications for pneumonia and COPD-risk assessment. <i>International Journal of COPD</i> , 2017, Volume 12, 1973-1988.	2.3	16
20	Quantitative Links Between Arsenic Exposure and Influenza A (H1N1) Infection-Associated Lung Function Exacerbations Risk. <i>Risk Analysis</i> , 2011, 31, 1281-1294.	2.7	15
21	Assessing the effects of pulsed waterborne copper toxicity on life-stage tilapia populations. <i>Science of the Total Environment</i> , 2012, 417-418, 129-137.	8.0	15
22	Coupled dynamics of energy budget and population growth of tilapia in response to pulsed waterborne copper. <i>Ecotoxicology</i> , 2012, 21, 2264-2275.	2.4	14
23	Interpreting copper bioaccumulation dynamics in tilapia using systems-level explorations of pulsed acute/chronic exposures. <i>Ecotoxicology</i> , 2014, 23, 1124-1136.	2.4	14
24	Assessing exposure risks for aquatic organisms posed by Tamiflu use under seasonal influenza and pandemic conditions. <i>Environmental Pollution</i> , 2014, 184, 377-384.	7.5	13
25	Regional response of dengue fever epidemics to interannual variation and related climate variability. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 947-958.	4.0	12
26	Predicting bioavailability and bioaccumulation of arsenic by freshwater clam <i>Corbicula fluminea</i> using valve daily activity. <i>Environmental Monitoring and Assessment</i> , 2010, 169, 647-659.	2.7	11
27	Combining bioaccumulation and coping mechanism to enhance long-term site-specific risk assessment for zinc susceptibility of bivalves. <i>Chemosphere</i> , 2011, 84, 707-715.	8.2	11
28	Trade-offs between elimination and detoxification in rainbow trout and common bivalve molluscs exposed to metal stressors. <i>Chemosphere</i> , 2011, 85, 1048-1056.	8.2	11
29	Toxicokinetics/toxicodynamics links bioavailability for assessing arsenic uptake and toxicity in three aquaculture species. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3868-3878.	5.3	11
30	Analyzing the effectiveness of using branchial NKA activity as a biomarker for assessing waterborne copper toxicity in tilapia (<i>Oreochromis mossambicus</i>): A damage-based modeling approach. <i>Aquatic Toxicology</i> , 2015, 163, 51-59.	4.0	11
31	Sensory determinants of valve rhythm dynamics provide in situ biodetection of copper in aquatic environments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5374-5389.	5.3	11
32	Risks of consuming cadmium-contaminated shellfish under seawater acidification scenario: Estimates of PBPK and benchmark dose. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110763.	6.0	11
33	Impact of long-term parental exposure to Tamiflu metabolites on the development medaka offspring (<i>Oryzias latipes</i>). <i>Environmental Pollution</i> , 2020, 261, 114146.	7.5	11
34	Online detection of waterborne bioavailable copper by valve daily rhythms in freshwater clam <i>Corbicula fluminea</i> . <i>Environmental Monitoring and Assessment</i> , 2009, 155, 257-272.	2.7	10
35	Probabilistic framework for assessing the arsenic exposure risk from cooked fish consumption. <i>Environmental Geochemistry and Health</i> , 2014, 36, 1115-1128.	3.4	10
36	Risk-Based Probabilistic Approach to Assess the Impact of False Mussel Invasions on Farmed Hard Clams. <i>Risk Analysis</i> , 2010, 30, 310-323.	2.7	9

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37	Bayesian inference of nonylphenol exposure for assessing human dietary risk. <i>Science of the Total Environment</i> , 2020, 713, 136710.	8.0	9
38	A biotic ligand model-based toxicodynamic approach to predict arsenic toxicity to tilapia gills in cultural ponds. <i>Ecotoxicology</i> , 2009, 18, 377-383.	2.4	8
39	Toxicokinetic Modeling Challenges for Aquatic Nanotoxicology. <i>Frontiers in Marine Science</i> , 2016, 2, .	2.5	8
40	Assessing exposure risks for freshwater tilapia species posed by mercury and methylmercury. <i>Ecotoxicology</i> , 2016, 25, 1181-1193.	2.4	8
41	Bayesian population physiologically-based pharmacokinetic model for robustness evaluation of withdrawal time in tilapia aquaculture administered to florfenicol. <i>Ecotoxicology and Environmental Safety</i> , 2021, 210, 111867.	6.0	8
42	Assessing dengue infection risk in the southern region of Taiwan: implications for control. <i>Epidemiology and Infection</i> , 2015, 143, 1059-1072.	2.1	7
43	Site-specific water quality criteria for lethal/sublethal protection of freshwater fish exposed to zinc in southern Taiwan. <i>Chemosphere</i> , 2016, 159, 412-419.	8.2	7
44	Ecosystem metabolism regulates seasonal bioaccumulation of metals in atyid shrimp (<i>Neocaridina</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.0	7
45	Dynamic features of ecophysiological response of freshwater clam to arsenic revealed by BLM-based toxicological model. <i>Ecotoxicology</i> , 2010, 19, 1074-1083.	2.4	6
46	Environmental stochasticity promotes copper bioaccumulation and bioenergetic response in tilapia. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1545-1555.	4.0	6
47	The challenging role of life cycle monitoring: evidence from bisphenol A on the copepod <i>Tigriopus japonicus</i> . <i>Hydrobiologia</i> , 2017, 784, 81-91.	2.0	6
48	Assessing dietary exposure risk to neonicotinoid residues among preschool children in regions of Taiwan. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12112-12121.	5.3	6
49	Subcellular partitioning links BLM-based toxicokinetics for assessing cadmium toxicity to rainbow trout. <i>Environmental Toxicology</i> , 2011, 26, 600-609.	4.0	5
50	Assessing abalone growth inhibition risk to cadmium and silver by linking toxicokinetics/toxicodynamics and subcellular partitioning. <i>Ecotoxicology</i> , 2011, 20, 912-924.	2.4	4
51	Life cycle toxicity assessment of earthworms exposed to cadmium-contaminated soils. <i>Ecotoxicology</i> , 2017, 26, 360-369.	2.4	4
52	Assessing health burden risk and control effect on dengue fever infection in the southern region of Taiwan. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 1423-1435.	2.7	4
53	Systems-level modeling the effects of arsenic exposure with sequential pulsed and fluctuating patterns for tilapia and freshwater clam. <i>Environmental Pollution</i> , 2010, 158, 1494-1505.	7.5	3
54	Toxicokinetics/toxicodynamics with damage feedback improves risk assessment for tilapia and freshwater clam exposed to arsenic. <i>Ecotoxicology</i> , 2012, 21, 485-495.	2.4	3

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55	Detoxification and bioregulation are critical for long-term waterborne arsenic exposure risk assessment for tilapia. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 561-572.	2.7	3
56	Model-based risk assessment for milkfish and tilapia exposed to arsenic in a traditional polyculture system with seasonal variations. <i>Aquacultural Engineering</i> , 2014, 62, 1-8.	3.1	3
57	Mixture risk assessment due to ingestion of arsenic, copper, and zinc from milkfish farmed in contaminated coastal areas. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14616-14626.	5.3	3
58	Evaluation on subcellular partitioning and biodynamics of pulse copper toxicity in tilapia reveals impacts of a major environmental disturbance. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17407-17417.	5.3	3
59	Sodium Gill Potential as a Tool to Monitor Valve Closure Behavior in Freshwater Clam <i>Corbicula fluminea</i> in Response to Copper. <i>Sensors</i> , 2008, 8, 5250-5269.	3.8	2
60	Response to "Letter to the editor re: Cheng YH, Chou WC, Yang YF, et al. <i>Environ Sci Pollut Res</i> (2018). https://doi.org/10.1007/s11356-017-0875-4 ". <i>Environmental Science and Pollution Research</i> , 2018, 25, 33836-33839.	5.3	2
61	A Simple Allometric Diffusion-Based Biokinetic Model to Predict Cu(II) Uptake Across Gills of Freshwater Clam <i>Corbicula fluminea</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010, 84, 703-707.	2.7	1
62	A slot dipole antenna with polarization diversity for WLAN application. , 2012, , .		1
63	Response to "Letter to Editor: Inappropriate exposure data and misleading calculations invalidate the estimates of health risk for airborne titanium dioxide and carbon black nanoparticle exposures in the workplace". <i>Environmental Science and Pollution Research</i> , 2012, 19, 1328-1329.	5.3	1
64	Probabilistic risk assessment of the effect of acidified seawater on development stages of sea urchin (<i>Strongylocentrotus droebachiensis</i>). <i>Environmental Science and Pollution Research</i> , 2018, 25, 12947-12956.	5.3	1
65	Response to "Dr. Luca Giannini's Letter to the Editor". <i>Environmental Science and Pollution Research</i> , 2012, 19, 1331-1331.	5.3	0
66	Response to "Letter to editor re: Ling et al. 2011 (<i>Environ Sci Pollut Res Int</i> 18(6): 877-889)". <i>Environmental Science and Pollution Research</i> , 2012, 19, 1867-1868.	5.3	0
67	Hill coefficient-based stochastic switch-like signal directly governs damage-recovery dynamics in freshwater fish in response to pulse copper. <i>Ecological Indicators</i> , 2016, 67, 598-610.	6.3	0