

Wei-Yu Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

710

citations

14

h-index

24

g-index

67

ext. papers

831

ext. citations

5.7

avg, IF

3.99

L-index

#	Paper	IF	Citations
66	Bayesian population physiologically-based pharmacokinetic model for robustness evaluation of withdrawal time in tilapia aquaculture administrated to florfenicol. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 210, 111867	7	3
65	Ecosystem metabolism regulates seasonal bioaccumulation of metals in atyid shrimp (<i>Neocaridina denticulata</i>) in a tropical brackish wetland. <i>Aquatic Toxicology</i> , 2020 , 225, 105522	5.1	3
64	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	9.3	4
63	Bayesian inference of nonylphenol exposure for assessing human dietary risk. <i>Science of the Total Environment</i> , 2020 , 713, 136710	10.2	3
62	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	5.1	3
61	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	7	7
60	Association Between Ambient Air Pollution and Elevated Risk of Tuberculosis Development. <i>Infection and Drug Resistance</i> , 2019 , 12, 3835-3847	4.2	10
59	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	5.1	16
58	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	5.1	18
57	Response to "Letter to the editor re: Cheng YH, Chou WC, Yang YF, et al. Environ Sci Pollut Res (2018). https://doi.org/10.107/s11356-017-0875-4 ". <i>Environmental Science and Pollution Research</i> , 2018 , 25, 33836-33839	5.1	1
56	Assessing health burden risk and control effect on dengue fever infection in the southern region of Taiwan. <i>Infection and Drug Resistance</i> , 2018 , 11, 1423-1435	4.2	3
55	Life cycle toxicity assessment of earthworms exposed to cadmium-contaminated soils. <i>Ecotoxicology</i> , 2017 , 26, 360-369	2.9	3
54	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	5.1	2
53	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	5.1	3
52	Anemia risk in relation to lead exposure in lead-related manufacturing. <i>BMC Public Health</i> , 2017 , 17, 3894.1	4.1	32
51	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	2.4	5
50	Mathematical modeling of postcoinfection with influenza A virus and , with implications for pneumonia and COPD-risk assessment. <i>International Journal of COPD</i> , 2017 , 12, 1973-1988	3	9

49	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	8.4	7
48	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	5.8	
47	Assessing exposure risks for freshwater tilapia species posed by mercury and methylmercury. <i>Ecotoxicology</i> , 2016 , 25, 1181-93	2.9	7
46	Toxicokinetic Modeling Challenges for Aquatic Nanotoxicology. <i>Frontiers in Marine Science</i> , 2016 , 2,	4.5	5
45	Assessing coughing-induced influenza droplet transmission and implications for infection risk control. <i>Epidemiology and Infection</i> , 2016 , 144, 333-45	4.3	14
44	Assessing bisphenol A (BPA) exposure risk from long-term dietary intakes in Taiwan. <i>Science of the Total Environment</i> , 2016 , 543, 140-146	10.2	35
43	Sensory determinants of valve rhythm dynamics provide in situ biodetection of copper in aquatic environments. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 5374-89	5.1	9
42	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	3.5	11
41	Assessing dengue infection risk in the southern region of Taiwan: implications for control. <i>Epidemiology and Infection</i> , 2015 , 143, 1059-72	4.3	5
40	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, 51-9	5.1	9
39	Environmental stochasticity promotes copper bioaccumulation and bioenergetic response in tilapia. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1545-1555	3.5	5
38	Physiologically based pharmacokinetic modeling of zinc oxide nanoparticles and zinc nitrate in mice. <i>International Journal of Nanomedicine</i> , 2015 , 10, 6277-92	7.3	20
37	Assessing exposure risks for aquatic organisms posed by Tamiflu use under seasonal influenza and pandemic conditions. <i>Environmental Pollution</i> , 2014 , 184, 377-84	9.3	9
36	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	3
35	Interpreting copper bioaccumulation dynamics in tilapia using systems-level explorations of pulsed acute/chronic exposures. <i>Ecotoxicology</i> , 2014 , 23, 1124-36	2.9	11
34	Probabilistic framework for assessing the arsenic exposure risk from cooked fish consumption. <i>Environmental Geochemistry and Health</i> , 2014 , 36, 1115-28	4.7	9
33	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, 3771-80	5.1	19
32	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	6.5	14

31	Assessing the effects of pulsed waterborne copper toxicity on life-stage tilapia populations. <i>Science of the Total Environment</i> , 2012 , 417-418, 129-37	10.2	13
30	Assessing the potential risks to zebrafish posed by environmentally relevant copper and silver nanoparticles. <i>Science of the Total Environment</i> , 2012 , 420, 111-8	10.2	48
29	Toxicokinetics/toxicodynamics with damage feedback improves risk assessment for tilapia and freshwater clam exposed to arsenic. <i>Ecotoxicology</i> , 2012 , 21, 485-95	2.9	2
28	Detoxification and bioregulation are critical for long-term waterborne arsenic exposure risk assessment for tilapia. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 561-72	3.1	3
27	Toxicokinetics/toxicodynamics links bioavailability for assessing arsenic uptake and toxicity in three aquaculture species. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 3868-78	5.1	9
26	Assessing human exposure risk to cadmium through inhalation and seafood consumption. <i>Journal of Hazardous Materials</i> , 2012 , 227-228, 353-61	12.8	33
25	Coupled dynamics of energy budget and population growth of tilapia in response to pulsed waterborne copper. <i>Ecotoxicology</i> , 2012 , 21, 2264-75	2.9	9
24	A real-time biomonitoring system to detect arsenic toxicity by valve movement in freshwater clam <i>Corbicula fluminea</i> . <i>Ecotoxicology</i> , 2012 , 21, 1177-87	2.9	16
23	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	5.1	1
22	Response to Dr. Luca Giannini's Letter to the Editor. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 1331-1331	5.1	
21	Response to Letter to editor re: Ling et al. 2011 (Environ Sci Pollut Res Int 18(6): 877-889). <i>Environmental Science and Pollution Research</i> , 2012 , 19, 1867-1868	5.1	
20	Quantitative links between arsenic exposure and influenza A (H1N1) infection-associated lung function exacerbations risk. <i>Risk Analysis</i> , 2011 , 31, 1281-94	3.9	11
19	Assessing the impact of waterborne and dietborne cadmium toxicity on susceptibility risk for rainbow trout. <i>Science of the Total Environment</i> , 2011 , 409, 503-13	10.2	16
18	Combining bioaccumulation and coping mechanism to enhance long-term site-specific risk assessment for zinc susceptibility of bivalves. <i>Chemosphere</i> , 2011 , 84, 707-15	8.4	6
17	Trade-offs between elimination and detoxification in rainbow trout and common bivalve molluscs exposed to metal stressors. <i>Chemosphere</i> , 2011 , 85, 1048-56	8.4	9
16	Assessing abalone growth inhibition risk to cadmium and silver by linking toxicokinetics/toxicodynamics and subcellular partitioning. <i>Ecotoxicology</i> , 2011 , 20, 912-24	2.9	4
15	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, 150-8	12.8	70
14	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, 877-89	5.1	33

13	Subcellular partitioning links BLM-based toxicokinetics for assessing cadmium toxicity to rainbow trout. <i>Environmental Toxicology</i> , 2011 , 26, 600-9	4.2	2
12	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, 703-7	2.7	1
11	Assessing the arsenic-contaminated rice (<i>Oryza sativa</i>) associated children skin lesions. <i>Journal of Hazardous Materials</i> , 2010 , 176, 239-51	12.8	15
10	Dynamic features of ecophysiological response of freshwater clam to arsenic revealed by BLM-based toxicological model. <i>Ecotoxicology</i> , 2010 , 19, 1074-83	2.9	4
9	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, 647-59	3.1	9
8	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, 1494-505	9.3	1
7	Assessing the cancer risk associated with arsenic-contaminated seafood. <i>Journal of Hazardous Materials</i> , 2010 , 181, 161-9	12.8	31
6	Risk-based probabilistic approach to assess the impact of false mussel invasions on farmed hard clams. <i>Risk Analysis</i> , 2010 , 30, 310-23	3.9	8
5	A biotic ligand model-based toxicodynamic approach to predict arsenic toxicity to tilapia gills in cultural ponds. <i>Ecotoxicology</i> , 2009 , 18, 377-83	2.9	7
4	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, 257-72	3.1	6
3	Bioavailability links mode of action can improve the long-term field risk assessment for tilapia exposed to arsenic. <i>Environment International</i> , 2009 , 35, 727-36	12.9	14
2	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
1	Acute toxicity and bioaccumulation of arsenic in freshwater clam <i>Corbicula fluminea</i> . <i>Environmental Toxicology</i> , 2008 , 23, 702-11	4.2	25