Wei-Yu Chen

List of Publications by Year
in descending order

67 papers	936 citations	471477 17 h-index	526264 27 g-index
67 all docs	67 docs citations	67 times ranked	1601 citing authors

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

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

#	Article	IF	Citations
37	Bayesian inference of nonylphenol exposure for assessing human dietary risk. Science of the Total Environment, 2020, 713, 136710.	8.0	9
38	A biotic ligand model-based toxicodynamic approach to predict arsenic toxicity to tilapia gills in cultural ponds. Ecotoxicology, 2009, 18, 377-383.	2.4	8
39	Toxicokinetic Modeling Challenges for Aquatic Nanotoxicology. Frontiers in Marine Science, 2016, 2, .	2.5	8
40	Assessing exposure risks for freshwater tilapia species posed by mercury and methylmercury. Ecotoxicology, 2016, 25, 1181-1193.	2.4	8
41	Bayesian population physiologically-based pharmacokinetic model for robustness evaluation of withdrawal time in tilapia aquaculture administrated to florfenicol. Ecotoxicology and Environmental Safety, 2021, 210, 111867.	6.0	8
42	Assessing dengue infection risk in the southern region of Taiwan: implications for control. Epidemiology and Infection, 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. Chemosphere, 2016, 159, 412-419.	8.2	7
44	Ecosystem metabolism regulates seasonal bioaccumulation of metals in atyid shrimp (Neocaridina) 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. Ecotoxicology, 2010, 19, 1074-1083.	2.4	6
46	Environmental stochasticity promotes copper bioaccumulation and bioenergetic response in tilapia. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1545-1555.	4.0	6
47	The challenging role of life cycle monitoring: evidence from bisphenol A on the copepod Tigriopus japonicus. Hydrobiologia, 2017, 784, 81-91.	2.0	6
48	Assessing dietary exposure risk to neonicotinoid residues among preschool children in regions of Taiwan. Environmental Science and Pollution Research, 2020, 27, 12112-12121.	5.3	6
49	Subcellular partitioning links BLMâ€based toxicokinetics for assessing cadmium toxicity to rainbow trout. Environmental Toxicology, 2011, 26, 600-609.	4.0	5
50	Assessing abalone growth inhibition risk to cadmium and silver by linking toxicokinetics/toxicodynamics and subcellular partitioning. Ecotoxicology, 2011, 20, 912-924.	2.4	4
51	Life cycle toxicity assessment of earthworms exposed to cadmium-contaminated soils. Ecotoxicology, 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. Infection and Drug Resistance, 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. Environmental Pollution, 2010, 158, 1494-1505.	7.5	3
54	Toxicokinetics/toxicodynamics with damage feedback improves risk assessment for tilapia and freshwater clam exposed to arsenic. Ecotoxicology, 2012, 21, 485-495.	2.4	3

#	ARTICLE	IF	CITATIONS
55	Detoxification and bioregulation are critical for long-term waterborne arsenic exposure risk assessment for tilapia. Environmental Monitoring and Assessment, 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. Aquacultural Engineering, 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. Environmental Science and Pollution Research, 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. Environmental Science and Pollution Research, 2017, 24, 17407-17417.	5.3	3
59	Sodium Gill Potential as a Tool to Monitor Valve Closure Behavior in Freshwater Clam Corbicula fluminea in Response to Copper. Sensors, 2008, 8, 5250-5269.	3.8	2
60	Response to â€œLetter to the editor re: Cheng YH, Chou WC, Yang YF, et al. Environ Sci Pollut Res (2018). https://doi.org/10.107/s11356-017-0875-4â€• Environmental Science and Pollution Research, 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 Corbicula fluminea. Bulletin of Environmental Contamination and Toxicology, 2010, 84, 703-707.	2.7	1
62	A slot dipole antenna with polarization diversity for WLAN application. , 2012, , .		1
63	Response to â€œLetter 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 workplaceâ€• Environmental Science and Pollution Research, 2012, 19, 1328-1329.	5.3	1
64	Probabilistic risk assessment of the effect of acidified seawater on development stages of sea urchin (Strongylocentrotus droebachiensis). Environmental Science and Pollution Research, 2018, 25, 12947-12956.	5.3	1
65	Response to â€œDr. Luca Gianniniâ€™s Letter to the Editorâ€• Environmental Science and Pollution Research, 2012, 19, 1331-1331.	5.3	0
66	Response to â€œLetter to editor re: Ling et al. 2011 (Environ Sci Pollut Res Int 18(6): 877â€"889)â€• Environmental Science and Pollution Research, 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. Ecological Indicators, 2016, 67, 598-610.	6.3	0