Wei-Chun Chou

List of Publications by Citations

51 papers	933 citations	16 h-index	29 g-index
54 ext. papers	1,260 ext. citations	7.5 avg, IF	4.4 L-index

#	Paper	IF	Citations
51	Biomonitoring of bisphenol A concentrations in maternal and umbilical cord blood in regard to birth outcomes and adipokine expression: a birth cohort study in Taiwan. *Environmental Health*, **2011**, 10, 94	6	131
50	Modeling the impact of climate variability on diarrhea-associated diseases in Taiwan (1996-2007). *Science of the Total Environment*, **2010**, 409, 43-51	10.2	91
49	Multi-omics analyses of radiation survivors identify radioprotective microbes and metabolites. *Science*, **2020**, 370,	33.3	81
48	Visual gene-network analysis reveals the cancer gene co-expression in human endometrial cancer. *BMC Genomics*, **2014**, 15, 300	4.5	72
47	Assessing the potential risks to zebrafish posed by environmentally relevant copper and silver nanoparticles. *Science of the Total Environment*, **2012**, 420, 111-8	10.2	48
46	Estimated Daily Intake and Cumulative Risk Assessment of Phthalates in the General Taiwanese after the 2011 DEHP Food Scandal. *Scientific Reports*, **2017**, 7, 45009	4.9	36
45	The nucleotide-binding leucine-rich repeat (NLR) family member NLRX1 mediates protection against experimental autoimmune encephalomyelitis and represses macrophage/microglia-induced inflammation. *Journal of Biological Chemistry*, **2014**, 289, 4173-9	5.4	35
44	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, 877-89	5.1	33
43	An integrative transcriptomic analysis reveals bisphenol A exposure-induced dysregulation of microRNA expression in human endometrial cells. *Toxicology in Vitro*, **2017**, 41, 133-142	3.6	31
42	Assessing the cancer risk associated with arsenic-contaminated seafood. *Journal of Hazardous Materials*, **2010**, 181, 161-9	12.8	31
41	Maternal arsenic exposure and DNA damage biomarkers, and the associations with birth outcomes in a general population from Taiwan. *PLoS ONE*, **2014**, 9, e86398	3.7	30
40	Bayesian evaluation of a physiologically based pharmacokinetic (PBPK) model for perfluorooctane sulfonate (PFOS) to characterize the interspecies uncertainty between mice, rats, monkeys, and humans: Development and performance verification. *Environment International*, **2019**, 129, 408-422	12.9	25
39	Oxidative stress risk analysis for exposure to diesel exhaust particle-induced reactive oxygen species. *Science of the Total Environment*, **2007**, 387, 113-27	10.2	25
38	Compositions and source apportionments of atmospheric aerosol during Asian dust storm and local pollution in central Taiwan. *Journal of Atmospheric Chemistry*, **2008**, 61, 155-173	3.2	21
37	Physiologically based pharmacokinetic modeling of zinc oxide nanoparticles and zinc nitrate in mice. *International Journal of Nanomedicine*, **2015**, 10, 6277-92	7.3	20
36	PBPK/PD assessment for Parkinson's disease risk posed by airborne pesticide paraquat exposure. *Environmental Science and Pollution Research*, **2018**, 25, 5359-5368	5.1	18
35	Development of an in Vitro-Based Risk Assessment Framework for Predicting Ambient Particulate Matter-Bound Polycyclic Aromatic Hydrocarbon-Activated Toxicity Pathways. *Environmental Science & Technology*, **2017**, 51, 14262-14272	10.3	16

34	Probabilistic human health risk assessment of perfluorooctane sulfonate (PFOS) by integrating in vitro, in vivo toxicity, and human epidemiological studies using a Bayesian-based dose-response assessment coupled with physiologically based pharmacokinetic (PBPK) modeling approach. *Environment International*, **2020**, 137, 105581	12.9	15
33	Health risk assessment for residents exposed to atmospheric diesel exhaust particles in southern region of Taiwan. *Atmospheric Environment*, **2014**, 85, 64-72	5.3	15
32	Assessing airborne PM-bound arsenic exposure risk in semiconductor manufacturing facilities. *Journal of Hazardous Materials*, **2009**, 167, 976-86	12.8	15
31	PM- and PM-bound polycyclic aromatic hydrocarbons (PAHs) in the residential area near coal-fired power and steelmaking plants of Taichung City, Taiwan: In vitro-based health risk and source identification. *Science of the Total Environment*, **2019**, 670, 439-447	10.2	13
30	A physiologically based pharmacokinetic model of doxycycline for predicting tissue residues and withdrawal intervals in grass carp (Ctenopharyngodon idella). *Food and Chemical Toxicology*, **2020**, 137, 111127	4.7	13
29	Prioritization of pesticides in crops with a semi-quantitative risk ranking method for Taiwan postmarket monitoring program. *Journal of Food and Drug Analysis*, **2019**, 27, 347-354	7	11
28	Modeling human health risks of airborne endotoxin in homes during the winter and summer seasons. *Science of the Total Environment*, **2010**, 408, 1530-7	10.2	11
27	MCP-1/MCPIP-1 Signaling Modulates the Effects of IL-1 in Renal Cell Carcinoma through ER Stress-Mediated Apoptosis. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	11
26	A probabilistic approach to quantitatively assess the inhalation risk for airborne endotoxin in cotton textile workers. *Journal of Hazardous Materials*, **2010**, 177, 103-8	12.8	10
25	Mathematical modeling of postcoinfection with influenza A virus and , with implications for pneumonia and COPD-risk assessment. *International Journal of COPD*, **2017**, 12, 1973-1988	3	9
24	Visualized gene network reveals the novel target transcripts Sox2 and Pax6 of neuronal development in trans-placental exposure to bisphenol A. *PLoS ONE*, **2014**, 9, e100576	3.7	9
23	Contribution of inorganic arsenic sources to population exposure risk on a regional scale. *Environmental Science and Pollution Research*, **2016**, 23, 14173-82	5.1	5
22	Impact of intracellular innate immune receptors on immunometabolism. *Cellular and Molecular Immunology*, **2021**,	15.4	5
21	STING Agonist Mitigates Experimental Autoimmune Encephalomyelitis by Stimulating Type I IFN-Dependent and -Independent Immune-Regulatory Pathways. *Journal of Immunology*, **2021**, 206, 2015-2028	5.3	5
20	Phytotoxic effect and molecular mechanism induced by nanodiamonds towards aquatic Chlorella pyrenoidosa by integrating regular and transcriptomic analyses. *Chemosphere*, **2021**, 270, 129473	8.4	5
19	Study of dye sensitized solar cell application of TiO2 films by atmospheric pressure plasma deposition method **2016**,		4
18	An Integrative Transcriptomic Analysis for Identifying Novel Target Genes Corresponding to Severity Spectrum in Spinal Muscular Atrophy. *PLoS ONE*, **2016**, 11, e0157426	3.7	4
17	Cumulative risk assessment of phthalates exposure for recurrent pregnancy loss in reproductive-aged women population using multiple hazard indices approaches. *Environment International*, **2021**, 154, 106657	12.9	4

16	Assessing dietary exposure risk to neonicotinoid residues among preschool children in regions of Taiwan. *Environmental Science and Pollution Research*, **2020**, 27, 12112-12121	5.1	3
15	Development of a Gestational and Lactational Physiologically Based Pharmacokinetic (PBPK) Model for Perfluorooctane Sulfonate (PFOS) in Rats and Humans and Its Implications in the Derivation of Health-Based Toxicity Values. *Environmental Health Perspectives*, **2021**, 129, 37004	8.4	3
14	Study on the correlation of bisphenol A exposure, pro-inflammatory gene expression, and C-reactive protein with potential cardiovascular disease symptoms in young adults. *Environmental Science and Pollution Research*, **2021**, 28, 32580	5.1	3
13	Paraquat-induced oxidative stress regulates N6-methyladenosine (mA) modification of circular RNAs. *Environmental Pollution*, **2021**, 290, 117816	9.3	3
12	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	5.1	2
11	Physiologically based pharmacokinetic model calibration, evaluation, and performance assessment **2020**, 243-279		2
10	Human biomonitoring reference values and characteristics of Phthalate exposure in the general population of Taiwan: Taiwan Environmental Survey for Toxicants 2013-2016. *International Journal of Hygiene and Environmental Health*, **2021**, 235, 113769	6.9	2
9	Predicting Nanoparticle Delivery to Tumors Using Machine Learning and Artificial Intelligence Approaches.. *International Journal of Nanomedicine*, **2022**, 17, 1365-1379	7.3	2
8	Toxicity and Risk Assessment of Bisphenol A **2017**, 765-795		1
7	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 *Environmental Science and Pollution Research*, **2012**, 19, 1328-1329	5.1	1
6	Response to "Letter to the editor re: Cheng YH, Chou WC, Yang YF, et al. Environ Sci Pollut Res (2018). https://doi.org/10.1007/s11356-017-0875-4". *Environmental Science and Pollution Research*, **2018**, 25, 33836-33839	5.1	1
5	Paraquat-induced oxidative stress regulates N6-methyladenosine (mA) modification of long noncoding RNAs in Neuro-2a cells.. *Ecotoxicology and Environmental Safety*, **2022**, 237, 113503	7	1
4	Assessment of intestinal injury of hexavalent chromium using a modified in vitro gastrointestinal digestion model.. *Toxicology and Applied Pharmacology*, **2022**, 436, 115880	4.6	0
3	Optimization of alkali fusion process for determination of I-129 in solidified radwastes by neutron activation. *Applied Radiation and Isotopes*, **2021**, 176, 109762	1.7	0
2	Response to Dr. Luca Giannini Letter to the Editor *Environmental Science and Pollution Research*, **2012**, 19, 1331-1331	5.1	
1	Response to Letter to editor re: Ling et al. 2011 (Environ Sci Pollut Res Int 18(6): 877 889) *Environmental Science and Pollution Research*, **2012**, 19, 1867-1868	5.1	