

# Wei-Chun Chou

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,598  
citations

331538

21  
h-index

315616

38  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-omics analyses of radiation survivors identify radioprotective microbes and metabolites. <i>Science</i> , 2020, 370, .	6.0	260
2	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. <i>Environmental Health</i> , 2011, 10, 94.	1.7	165
3	Modeling the impact of climate variability on diarrhea-associated diseases in Taiwan (1996–2007). <i>Science of the Total Environment</i> , 2010, 409, 43-51.	3.9	113
4	Visual gene-network analysis reveals the cancer gene co-expression in human endometrial cancer. <i>BMC Genomics</i> , 2014, 15, 300.	1.2	94
5	Impact of intracellular innate immune receptors on immunometabolism. <i>Cellular and Molecular Immunology</i> , 2022, 19, 337-351.	4.8	61
6	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.	3.9	59
7	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. <i>Environment International</i> , 2019, 129, 408-422.	4.8	50
8	An integrative transcriptomic analysis reveals bisphenol A exposure-induced dysregulation of microRNA expression in human endometrial cells. <i>Toxicology in Vitro</i> , 2017, 41, 133-142.	1.1	45
9	The Nucleotide-binding Leucine-rich Repeat (NLR) Family Member NLRX1 Mediates Protection against Experimental Autoimmune Encephalomyelitis and Represses Macrophage/Microglia-induced Inflammation. <i>Journal of Biological Chemistry</i> , 2014, 289, 4173-4179.	1.6	44
10	Estimated Daily Intake and Cumulative Risk Assessment of Phthalates in the General Taiwanese after the 2011 DEHP Food Scandal. <i>Scientific Reports</i> , 2017, 7, 45009.	1.6	44
11	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.	2.7	42
12	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. <i>Environment International</i> , 2020, 137, 105581.	4.8	39
13	Predicting Nanoparticle Delivery to Tumors Using Machine Learning and Artificial Intelligence Approaches. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 1365-1379.	3.3	39
14	Maternal Arsenic Exposure and DNA Damage Biomarkers, and the Associations with Birth Outcomes in a General Population from Taiwan. <i>PLoS ONE</i> , 2014, 9, e86398.	1.1	38
15	Assessing the cancer risk associated with arsenic-contaminated seafood. <i>Journal of Hazardous Materials</i> , 2010, 181, 161-169.	6.5	34
16	Physiologically based pharmacokinetic modeling of zinc oxide nanoparticles and zinc nitrate in mice. <i>International Journal of Nanomedicine</i> , 2015, 10, 6277.	3.3	27
17	Paraquat-induced oxidative stress regulates N6-methyladenosine (m6A) modification of circular RNAs. <i>Environmental Pollution</i> , 2021, 290, 117816.	3.7	26
18	Oxidative stress risk analysis for exposure to diesel exhaust particle-induced reactive oxygen species. <i>Science of the Total Environment</i> , 2007, 387, 113-127.	3.9	25

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19	Compositions and source apportionments of atmospheric aerosol during Asian dust storm and local pollution in central Taiwan. <i>Journal of Atmospheric Chemistry</i> , 2008, 61, 155-173.	1.4	25
20	A physiologically based pharmacokinetic model of doxycycline for predicting tissue residues and withdrawal intervals in grass carp ( <i>Ctenopharyngodon idella</i> ). <i>Food and Chemical Toxicology</i> , 2020, 137, 111127.	1.8	23
21	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. <i>Environmental Health Perspectives</i> , 2021, 129, 37004.	2.8	23
22	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.	2.7	21
23	Development of an <i>in Vitro</i> -Based Risk Assessment Framework for Predicting Ambient Particulate Matter-Bound Polycyclic Aromatic Hydrocarbon-Activated Toxicity Pathways. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14262-14272.	4.6	20
24	PM <sub>2.5</sub> - and PM <sub>10</sub> -bound polycyclic aromatic hydrocarbons (PAHs) in the residential area near coal-fired power and steelmaking plants of Taichung City, Taiwan: <i>In vitro</i> -based health risk and source identification. <i>Science of the Total Environment</i> , 2019, 670, 439-447.	3.9	20
25	Integration of Toxicogenomics and Physiologically Based Pharmacokinetic Modeling in Human Health Risk Assessment of Perfluorooctane Sulfonate. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3623-3633.	4.6	19
26	Health risk assessment for residents exposed to atmospheric diesel exhaust particles in southern region of Taiwan. <i>Atmospheric Environment</i> , 2014, 85, 64-72.	1.9	18
27	Prioritization of pesticides in crops with a semi-quantitative risk ranking method for Taiwan postmarket monitoring program. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 347-354.	0.9	18
28	STING Agonist Mitigates Experimental Autoimmune Encephalomyelitis by Stimulating Type I IFN-Dependent and -Independent Immune-Regulatory Pathways. <i>Journal of Immunology</i> , 2021, 206, 2015-2028.	0.4	18
29	Cumulative risk assessment of phthalates exposure for recurrent pregnancy loss in reproductive-aged women population using multiple hazard indices approaches. <i>Environment International</i> , 2021, 154, 106657.	4.8	17
30	Assessing airborne PM-bound arsenic exposure risk in semiconductor manufacturing facilities. <i>Journal of Hazardous Materials</i> , 2009, 167, 976-986.	6.5	16
31	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.	0.9	16
32	MCP-1/MCPIP-1 Signaling Modulates the Effects of IL-1 $\beta$ in Renal Cell Carcinoma through ER Stress-Mediated Apoptosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6101.	1.8	16
33	Development of a multi-route physiologically based pharmacokinetic (PBPK) model for nanomaterials: a comparison between a traditional versus a new route-specific approach using gold nanoparticles in rats. <i>Particle and Fibre Toxicology</i> , 2022, 19, .	2.8	15
34	Visualized Gene Network Reveals the Novel Target Transcripts Sox2 and Pax6 of Neuronal Development in Trans-Placental Exposure to Bisphenol A. <i>PLoS ONE</i> , 2014, 9, e100576.	1.1	12
35	Modeling human health risks of airborne endotoxin in homes during the winter and summer seasons. <i>Science of the Total Environment</i> , 2010, 408, 1530-1537.	3.9	11
36	Phytotoxic effect and molecular mechanism induced by nanodiamonds towards aquatic <i>Chlorella pyrenoidosa</i> by integrating regular and transcriptomic analyses. <i>Chemosphere</i> , 2021, 270, 129473.	4.2	11

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37	Human biomonitoring reference values and characteristics of Phthalate exposure in the general population of Taiwan: Taiwan Environmental Survey for Toxicants 2013-2016. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113769.	2.1	11
38	A probabilistic approach to quantitatively assess the inhalation risk for airborne endotoxin in cotton textile workers. <i>Journal of Hazardous Materials</i> , 2010, 177, 103-108.	6.5	10
39	Study on the correlation of bisphenol A exposure, pro-inflammatory gene expression, and C-reactive protein with potential cardiovascular disease symptoms in young adults. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32580-32591.	2.7	9
40	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.	2.7	6
41	An Integrative Transcriptomic Analysis for Identifying Novel Target Genes Corresponding to Severity Spectrum in Spinal Muscular Atrophy. <i>PLoS ONE</i> , 2016, 11, e0157426.	1.1	6
42	Paraquat-induced oxidative stress regulates N6-methyladenosine (m6A) modification of long noncoding RNAs in Neuro-2a cells. <i>Ecotoxicology and Environmental Safety</i> , 2022, 237, 113503.	2.9	6
43	Contribution of inorganic arsenic sources to population exposure risk on a regional scale. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14173-14182.	2.7	5
44	An Interactive Generic Physiologically Based Pharmacokinetic (igPBPK) Modeling Platform to Predict Drug Withdrawal Intervals in Cattle and Swine: A Case Study on Flunixin, Florfenicol, and Penicillin G. <i>Toxicological Sciences</i> , 2022, 188, 180-197.	1.4	5
45	Study of dye sensitized solar cell application of TiO2 films by atmospheric pressure plasma deposition method. , 2016, , .		4
46	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.	2.7	3
47	Response to "Letter to the editor re: Cheng YH, Chou WC, Yang YF, et al. <i>Environ Sci Pollut Res</i> (2018). <a href="https://doi.org/10.107/s11356-017-0875-4">https://doi.org/10.107/s11356-017-0875-4</a> ". <i>Environmental Science and Pollution Research</i> , 2018, 25, 33836-33839.	2.7	2
48	Physiologically based pharmacokinetic model calibration, evaluation, and performance assessment. , 2020, , 243-279.		2
49	Assessment of intestinal injury of hexavalent chromium using a modified in vitro gastrointestinal digestion model. <i>Toxicology and Applied Pharmacology</i> , 2022, 436, 115880.	1.3	2
50	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.	2.7	1
51	Toxicity and Risk Assessment of Bisphenol A. , 2017, , 765-795.		1
52	Optimization of alkali fusion process for determination of I-129 in solidified radwastes by neutron activation. <i>Applied Radiation and Isotopes</i> , 2021, 176, 109762.	0.7	1
53	Response to "Dr. Luca Giannini's Letter to the Editor". <i>Environmental Science and Pollution Research</i> , 2012, 19, 1331-1331.	2.7	0
54	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.	2.7	0