

# Wei-Chun Chou

## 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.

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	Assessment of intestinal injury of hexavalent chromium using a modified in vitro gastrointestinal digestion model.. <i>Toxicology and Applied Pharmacology</i> , <b>2022</b> , 436, 115880	4.6	0
50	Predicting Nanoparticle Delivery to Tumors Using Machine Learning and Artificial Intelligence Approaches.. <i>International Journal of Nanomedicine</i> , <b>2022</b> , 17, 1365-1379	7.3	2
49	Paraquat-induced oxidative stress regulates N6-methyladenosine (mA) modification of long noncoding RNAs in Neuro-2a cells.. <i>Ecotoxicology and Environmental Safety</i> , <b>2022</b> , 237, 113503	7	1
48	Impact of intracellular innate immune receptors on immunometabolism. <i>Cellular and Molecular Immunology</i> , <b>2021</b> ,	15.4	5
47	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> , <b>2021</b> , 129, 37004	8.4	3
46	STING Agonist Mitigates Experimental Autoimmune Encephalomyelitis by Stimulating Type I IFN-Dependent and -Independent Immune-Regulatory Pathways. <i>Journal of Immunology</i> , <b>2021</b> , 206, 2015-2028 <sup>5</sup>	5.3	5
45	Phytotoxic effect and molecular mechanism induced by nanodiamonds towards aquatic <i>Chlorella pyrenoidosa</i> by integrating regular and transcriptomic analyses. <i>Chemosphere</i> , <b>2021</b> , 270, 129473	8.4	5
44	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> , <b>2021</b> , 235, 113769	6.9	2
43	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> , <b>2021</b> , 28, 32580	5.1	3
42	Cumulative risk assessment of phthalates exposure for recurrent pregnancy loss in reproductive-aged women population using multiple hazard indices approaches. <i>Environment International</i> , <b>2021</b> , 154, 106657	12.9	4
41	Optimization of alkali fusion process for determination of I-129 in solidified radwastes by neutron activation. <i>Applied Radiation and Isotopes</i> , <b>2021</b> , 176, 109762	1.7	0
40	Paraquat-induced oxidative stress regulates N6-methyladenosine (mA) modification of circular RNAs. <i>Environmental Pollution</i> , <b>2021</b> , 290, 117816	9.3	3
39	Physiologically based pharmacokinetic model calibration, evaluation, and performance assessment <b>2020</b> , 243-279		2
38	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> , <b>2020</b> , 137, 105581	12.9	15
37	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> , <b>2020</b> , 137, 111127	4.7	13
36	Assessing dietary exposure risk to neonicotinoid residues among preschool children in regions of Taiwan. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 12112-12121	5.1	3
35	Multi-omics analyses of radiation survivors identify radioprotective microbes and metabolites. <i>Science</i> , <b>2020</b> , 370,	33.3	81

34	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> , <b>2019</b> , 129, 408-422	12.9	25
33	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. <i>Science of the Total Environment</i> , <b>2019</b> , 670, 439-447	10.2	13
32	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> , <b>2019</b> , 27, 347-354	7	11
31	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> , <b>2019</b> , 20,	6.3	11
30	PBPK/PD assessment for Parkinson's disease risk posed by airborne pesticide paraquat exposure. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 5359-5368	5.1	18
29	Response to "Letter to the editor re: Cheng YH, Chou WC, Yang YF, et al. Environ Sci Pollut Res (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> , <b>2018</b> , 25, 33836-33839	5.1	1
28	An integrative transcriptomic analysis reveals bisphenol A exposure-induced dysregulation of microRNA expression in human endometrial cells. <i>Toxicology in Vitro</i> , <b>2017</b> , 41, 133-142	3.6	31
27	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> , <b>2017</b> , 24, 14616-14626	5.1	2
26	Estimated Daily Intake and Cumulative Risk Assessment of Phthalates in the General Taiwanese after the 2011 DEHP Food Scandal. <i>Scientific Reports</i> , <b>2017</b> , 7, 45009	4.9	36
25	Toxicity and Risk Assessment of Bisphenol A <b>2017</b> , 765-795		1
24	Development of an in Vitro-Based Risk Assessment Framework for Predicting Ambient Particulate Matter-Bound Polycyclic Aromatic Hydrocarbon-Activated Toxicity Pathways. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 14262-14272	10.3	16
23	Mathematical modeling of postcoinfection with influenza A virus and , with implications for pneumonia and COPD-risk assessment. <i>International Journal of COPD</i> , <b>2017</b> , 12, 1973-1988	3	9
22	Contribution of inorganic arsenic sources to population exposure risk on a regional scale. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 14173-82	5.1	5
21	Study of dye sensitized solar cell application of TiO <sub>2</sub> films by atmospheric pressure plasma deposition method <b>2016</b> ,		4
20	An Integrative Transcriptomic Analysis for Identifying Novel Target Genes Corresponding to Severity Spectrum in Spinal Muscular Atrophy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157426	3.7	4
19	Physiologically based pharmacokinetic modeling of zinc oxide nanoparticles and zinc nitrate in mice. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 6277-92	7.3	20
18	Health risk assessment for residents exposed to atmospheric diesel exhaust particles in southern region of Taiwan. <i>Atmospheric Environment</i> , <b>2014</b> , 85, 64-72	5.3	15
17	Visual gene-network analysis reveals the cancer gene co-expression in human endometrial cancer. <i>BMC Genomics</i> , <b>2014</b> , 15, 300	4.5	72

16	Maternal arsenic exposure and DNA damage biomarkers, and the associations with birth outcomes in a general population from Taiwan. <i>PLoS ONE</i> , <b>2014</b> , 9, e86398	3.7	30
15	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> , <b>2014</b> , 9, e100576	3.7	9
14	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> , <b>2014</b> , 289, 4173-9	5.4	35
13	Assessing the potential risks to zebrafish posed by environmentally relevant copper and silver nanoparticles. <i>Science of the Total Environment</i> , <b>2012</b> , 420, 111-8	10.2	48
12	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> , <b>2012</b> , 19, 1328-1329	5.1	1
11	Response to Dr. Luca Giannini's Letter to the Editor <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 1331-1331	5.1	
10	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> , <b>2012</b> , 19, 1867-1868	5.1	
9	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> , <b>2011</b> , 18, 877-89	5.1	33
8	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> , <b>2011</b> , 10, 94	6	131
7	Modeling human health risks of airborne endotoxin in homes during the winter and summer seasons. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 1530-7	10.2	11
6	Modeling the impact of climate variability on diarrhea-associated diseases in Taiwan (1996-2007). <i>Science of the Total Environment</i> , <b>2010</b> , 409, 43-51	10.2	91
5	A probabilistic approach to quantitatively assess the inhalation risk for airborne endotoxin in cotton textile workers. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 177, 103-8	12.8	10
4	Assessing the cancer risk associated with arsenic-contaminated seafood. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 181, 161-9	12.8	31
3	Assessing airborne PM-bound arsenic exposure risk in semiconductor manufacturing facilities. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 167, 976-86	12.8	15
2	Compositions and source apportionments of atmospheric aerosol during Asian dust storm and local pollution in central Taiwan. <i>Journal of Atmospheric Chemistry</i> , <b>2008</b> , 61, 155-173	3.2	21
1	Oxidative stress risk analysis for exposure to diesel exhaust particle-induced reactive oxygen species. <i>Science of the Total Environment</i> , <b>2007</b> , 387, 113-27	10.2	25