

Chia-Yang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,065
citations

186265

28
h-index

233421

45
g-index

51
all docs

51
docs citations

51
times ranked

3116
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining estrogenic steroids in Taipei waters and removal in drinking water treatment using high-flow solid-phase extraction and liquid chromatography/tandem mass spectrometry. <i>Science of the Total Environment</i> , 2007, 378, 352-365.	8.0	160
2	Prevalence of sulfonamide-resistant bacteria, resistance genes and integron-associated horizontal gene transfer in natural water bodies and soils adjacent to a swine feedlot in northern Taiwan. <i>Journal of Hazardous Materials</i> , 2014, 277, 34-43.	12.4	117
3	The effect of prenatal perfluorinated chemicals exposures on pediatric atopy. <i>Environmental Research</i> , 2011, 111, 785-791.	7.5	107
4	Perfluorinated Compounds in Umbilical Cord Blood and Adverse Birth Outcomes. <i>PLoS ONE</i> , 2012, 7, e42474.	2.5	107
5	Analysis of steroid estrogens in water using liquid chromatography/tandem mass spectrometry with chemical derivatizations. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1973-1983.	1.5	94
6	Comparison of electrospray ionization, atmospheric pressure chemical ionization and atmospheric pressure photoionization for determining estrogenic chemicals in water by liquid chromatography tandem mass spectrometry with chemical derivatizations. <i>Journal of Chromatography A</i> , 2009, 1216, 956-966.	3.7	87
7	Perfluorinated Compound Levels in Cord Blood and Neurodevelopment at 2 Years of Age. <i>Epidemiology</i> , 2013, 24, 800-808.	2.7	85
8	Sources of pharmaceutical pollution in the New York City Watershed. <i>Science of the Total Environment</i> , 2008, 394, 90-102.	8.0	73
9	Ultra-high performance liquid chromatography/tandem mass spectrometry determination of feminizing chemicals in river water, sediment and tissue pretreated using disk-type solid-phase extraction and matrix solid-phase dispersion. <i>Talanta</i> , 2012, 89, 237-245.	5.5	68
10	Determination of Aflatoxin M1 in Milk and Milk Powder Using High-Flow Solid-Phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8474-8480.	5.2	62
11	Disposition of Polychlorinated Dibenzo-p-dioxins, Dibenzofurans, and non-ortho Polychlorinated Biphenyls in Pregnant Long Evans Rats and the Transfer to Offspring. <i>Toxicology and Applied Pharmacology</i> , 2001, 173, 65-88.	2.8	59
12	Occurrences of pharmaceuticals and personal care products in the drinking water of Taiwan and their removal in conventional water treatment processes. <i>Chemosphere</i> , 2020, 256, 127002.	8.2	59
13	Analysis of perfluorinated chemicals in umbilical cord blood by ultra-high performance liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 641-646.	2.3	58
14	Characteristics of C-, N-DBPs formation from nitrogen-enriched dissolved organic matter in raw water and treated wastewater effluent. <i>Water Research</i> , 2013, 47, 2729-2741.	11.3	58
15	Concentrations of perfluoroalkyl substances in foods and the dietary exposure among Taiwan general population and pregnant women. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 994-1004.	1.9	58
16	Associations between Levels of Serum Perfluorinated Chemicals and Adiponectin in a Young Hypertension Cohort in Taiwan. <i>Environmental Science & Technology</i> , 2011, 45, 10691-10698.	10.0	55
17	Identification of potential nitrogenous organic precursors for C-, N-DBPs and characterization of their DBPs formation. <i>Water Research</i> , 2011, 45, 3753-3764.	11.3	53
18	Non-conventional water reuse in agriculture: A circular water economy. <i>Water Research</i> , 2021, 199, 117193.	11.3	51

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19	A Mixture of Dioxins, Furans, and Non-ortho PCBs Based upon Consensus Toxic Equivalency Factors Produces Dioxin-Like Reproductive Effects. <i>Toxicological Sciences</i> , 2003, 74, 182-191.	3.1	47
20	Bisphenol A exposure may increase the risk of development of atopic disorders in children. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 311-316.	4.3	46
21	Determination of Ten Haloacetic Acids in Drinking Water Using High-Performance and Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2009, 47, 67-74.	1.4	39
22	Determination of 17 illicit drugs in oral fluid using isotope dilution ultra-high performance liquid chromatography/tandem mass spectrometry with three atmospheric pressure ionizations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 3095-3105.	2.3	37
23	Neonatal "maternal factors and perfluoroalkyl substances in cord blood. <i>Chemosphere</i> , 2013, 92, 843-850.	8.2	37
24	Analysis of polycyclic aromatic hydrocarbons by liquid chromatography/tandem mass spectrometry using atmospheric pressure chemical ionization or electrospray ionization with tropylium post-column derivatization. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3694-3700.	1.5	33
25	Endocrine disrupting effects of domestic wastewater on reproduction, sexual behavior, and gene expression in the brackish medaka <i>Oryzias melastigma</i> . <i>Chemosphere</i> , 2016, 150, 566-575.	8.2	31
26	Prevalence of Aflatoxin M1 in Milk and Its Potential Liver Cancer Risk in Taiwan. <i>Journal of Food Protection</i> , 2009, 72, 1025-1029.	1.7	30
27	Distribution of feminizing compounds in the aquatic environment and bioaccumulation in wild tilapia tissues. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11349-11360.	5.3	29
28	Follow up study of haematological effects in workers exposed to 2-methoxyethanol. <i>Occupational and Environmental Medicine</i> , 2003, 60, 130-135.	2.8	28
29	Performance evaluation of the UV/H ₂ O ₂ process on selected nitrogenous organic compounds: Reductions of organic contents vs. corresponding C-, N-DBPs formations. <i>Chemosphere</i> , 2011, 85, 591-597.	8.2	28
30	The Taiwan Birth Panel Study: a prospective cohort study for environmentally-related child health. <i>BMC Research Notes</i> , 2011, 4, 291.	1.4	26
31	Assessing the potential effect of extreme weather on water quality and disinfection by-product formation using laboratory simulation. <i>Water Research</i> , 2020, 170, 115296.	11.3	23
32	Determination of perfluorinated chemicals in food and drinking water using high-flow solid-phase extraction and ultra-high performance liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1315-1325.	3.7	22
33	Occurrence of nonylphenol and bisphenol A in household water pipes made of different materials. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 562.	2.7	21
34	Glycerophosphocholine molecular species profiling in the biological tissue using UPLC/MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2095-2106.	2.3	20
35	A Screening Method for Polychlorinated Dibenzo-p-dioxins (PCDDs), Dibenzofurans (PCDFs), and Non-OrthoPolychlorinated Biphenyls (PCBs) in Biological Matrixes. <i>Environmental Science & Technology</i> , 2000, 34, 5172-5176.	10.0	18
36	Reduction of Persistent Organic Pollutant Emissions during Incinerator Start-up by Using Crude Waste Cooking Oil as an Alternative Fuel. <i>Aerosol and Air Quality Research</i> , 2017, 17, 899-912.	2.1	17

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37	Haematological effects among silk screening workers exposed to 2-ethoxy ethyl acetate. <i>Occupational and Environmental Medicine</i> , 2003, 60, 7e-7.	2.8	15
38	Assessment of ichthyotoxicity and anthropogenic contamination in the surface waters of Kenting National Park, Taiwan. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 265.	2.7	15
39	Thioredoxin Overexpression Modulates Remodeling Factors in Stress Responses to Cigarette Smoke. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2008, 71, 1490-1498.	2.3	14
40	Temperature dependence of characteristics of organic precursors, bromide, and disinfection byproduct formation. <i>Science of the Total Environment</i> , 2019, 662, 746-754.	8.0	14
41	Performance Liquid Chromatography/Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 872-877.	1.5	12
42	Comparison of Supercritical Fluid and Soxhlet Extraction Methods for the Determination of Chlorothalonil from Cranberry Bog Soils. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 499-503.	5.2	11
43	Bench-scale assessment of the formation and control of disinfection byproducts from human endogenous organic precursors in swimming pools. <i>Chemosphere</i> , 2019, 224, 607-615.	8.2	8
44	Performance Evaluation of Cascade Separation for a Humic Substance and Nutrient Recovery from Piggery Wastewater toward a Circular Bioeconomy. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8115-8124.	6.7	8
45	Measuring Ochratoxin A Concentrations in Coffee Beverages with Immunoaffinity Columns and Ultra-Performance Liquid Chromatography/Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 469-474.	1.5	7
46	A mixture of polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and non-ortho polychlorinated biphenyls (PCBs) changed the lipid content of pregnant Long Evans rats. <i>Chemosphere</i> , 2002, 46, 1501-1504.	8.2	6
47	Influence of Ultraviolet Light Coupled with Hydrogen Peroxide Treatment on Organic Nitrogen and Carbon Precursors and Disinfection By-Product Formation. <i>Environmental Engineering Science</i> , 2010, 27, 423-430.	1.6	5
48	Using UPLC-MS/MS to Evaluate the Dissemination of Pyriproxyfen by Aedes Mosquitoes to Combat Cryptic Larval Habitats after Source Reduction in Kaohsiung in Southern Taiwan. <i>Insects</i> , 2020, 11, 251.	2.2	5
49	Causes of the skewed sex ratio in the Critically Endangered Formosa landlocked salmon of Taiwan. <i>Endangered Species Research</i> , 2016, 30, 45-52.	2.4	2
50	AMMONIUM HYDROXIDE EXTRACTS FROM BLACK TEA INHIBIT GROWTH, MIGRATION AND INVASION OF COLON CANCER CELLS. <i>Journal of Food Biochemistry</i> , 2008, 32, 201-215.	2.9	0
51	A proposed approach to confirm heroin administration – Regional differences in heroin purity is a major factor. <i>Regulatory Toxicology and Pharmacology</i> , 2022, 128, 105097.	2.7	0