

# Michael J Plewa

## List of Publications by Year in descending order

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171  
papers

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#	ARTICLE	IF	CITATIONS
1	Occurrence, genotoxicity, and carcinogenicity of regulated and emerging disinfection by-products in drinking water: A review and roadmap for research. <i>Mutation Research - Reviews in Mutation Research</i> , 2007, 636, 178-242.	5.5	2,531
2	Occurrence and Mammalian Cell Toxicity of Iodinated Disinfection Byproducts in Drinking Water. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8330-8338.	10.0	830
3	Haloacetonitriles vs. Regulated Haloacetic Acids: Are Nitrogen-Containing DBPs More Toxic?. <i>Environmental Science &amp; Technology</i> , 2007, 41, 645-651.	10.0	597
4	CHO cell cytotoxicity and genotoxicity analyses of disinfection by-products: An updated review. <i>Journal of Environmental Sciences</i> , 2017, 58, 64-76.	6.1	528
5	Occurrence, Synthesis, and Mammalian Cell Cytotoxicity and Genotoxicity of Haloacetamides: An Emerging Class of Nitrogenous Drinking Water Disinfection Byproducts. <i>Environmental Science &amp; Technology</i> , 2008, 42, 955-961.	10.0	452
6	Halonitromethane Drinking Water Disinfection Byproducts: A Chemical Characterization and Mammalian Cell Cytotoxicity and Genotoxicity. <i>Environmental Science &amp; Technology</i> , 2004, 38, 62-68.	10.0	446
7	Chemical and Biological Characterization of Newly Discovered Iodoacid Drinking Water Disinfection Byproducts. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4713-4722.	10.0	433
8	Mammalian cell cytotoxicity and genotoxicity analysis of drinking water disinfection by-products. <i>Environmental and Molecular Mutagenesis</i> , 2002, 40, 134-142.	2.2	352
9	Evidence That Hydrogen Sulfide Is a Genotoxic Agent. <i>Molecular Cancer Research</i> , 2006, 4, 9-14.	3.4	294
10	Mammalian cell cytotoxicity and genotoxicity of the haloacetic acids, a major class of drinking water disinfection by-products. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 871-878.	2.2	266
11	Tribromopyrrole, Brominated Acids, and Other Disinfection Byproducts Produced by Disinfection of Drinking Water Rich in Bromide. <i>Environmental Science &amp; Technology</i> , 2003, 37, 3782-3793.	10.0	247
12	Formation of Toxic Iodinated Disinfection By-Products from Compounds Used in Medical Imaging. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6845-6854.	10.0	242
13	Hydrogen Sulfide Induces Direct Radical-Associated DNA Damage. <i>Molecular Cancer Research</i> , 2007, 5, 455-459.	3.4	233
14	Toxic Impact of Bromide and Iodide on Drinking Water Disinfected with Chlorine or Chloramines. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12362-12369.	10.0	215
15	TIC-Tox: A preliminary discussion on identifying the forcing agents of DBP-mediated toxicity of disinfected water. <i>Journal of Environmental Sciences</i> , 2017, 58, 208-216.	6.1	184
16	N-Nitrosamines and halogenated disinfection byproducts in U.S. Full Advanced Treatment trains for potable reuse. <i>Water Research</i> , 2016, 101, 176-186.	11.3	173
17	Occurrence and Comparative Toxicity of Haloacetaldehyde Disinfection Byproducts in Drinking Water. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13749-13759.	10.0	167
18	Comparative Mammalian Cell Toxicity of N-DBPs and C-DBPs. <i>ACS Symposium Series</i> , 2008, , 36-50.	0.5	164

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19	DNA damage and toxicogenomic analyses of hydrogen sulfide in human intestinal epithelial FHs 74 Int cells. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 304-314.	2.2	156
20	Chemical and Biological Characterization of Wastewater Generated from Hydrothermal Liquefaction of <i>Spirulina</i> . <i>Environmental Science &amp; Technology</i> , 2013, 47, 2131-2138.	10.0	149
21	Occurrence and Toxicity of Disinfection Byproducts in European Drinking Waters in Relation with the HIWATE Epidemiology Study. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12120-12128.	10.0	143
22	Diethyldithiocarbamate suppresses the plant activation of aromatic amines into mutagens by inhibiting tobacco cell peroxidase. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991, 247, 57-64.	1.0	134
23	Transformation of Iopamidol during Chlorination. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12689-12697.	10.0	127
24	Biological Mechanism for the Toxicity of Haloacetic Acid Drinking Water Disinfection Byproducts. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5791-5797.	10.0	122
25	To regulate or not to regulate? What to do with more toxic disinfection by-products?. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103939.	6.7	120
26	Genotoxicity of Water Concentrates from Recreational Pools after Various Disinfection Methods. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3527-3532.	10.0	111
27	Comparison of Byproduct Formation in Waters Treated with Chlorine and Iodine: Relevance to Point-of-Use Treatment. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8446-8452.	10.0	111
28	Measurement of Nitrosamine and Nitramine Formation from NO <sub>x</sub> Reactions with Amines during Amine-Based Carbon Dioxide Capture for Postcombustion Carbon Sequestration. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9793-9801.	10.0	108
29	Human Cell Toxicogenomic Analysis Linking Reactive Oxygen Species to the Toxicity of Monohaloacetic Acid Drinking Water Disinfection Byproducts. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12514-12523.	10.0	108
30	Boiling of Simulated Tap Water: Effect on Polar Brominated Disinfection Byproducts, Halogen Speciation, and Cytotoxicity. <i>Environmental Science &amp; Technology</i> , 2014, 48, 149-156.	10.0	108
31	Modulation of the Cytotoxicity and Genotoxicity of the Drinking Water Disinfection Byproduct Iodoacetic Acid by Suppressors of Oxidative Stress. <i>Environmental Science &amp; Technology</i> , 2006, 40, 1878-1883.	10.0	104
32	Assessing Additivity of Cytotoxicity Associated with Disinfection Byproducts in Potable Reuse and Conventional Drinking Waters. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5729-5736.	10.0	102
33	Formation of regulated and unregulated disinfection byproducts during chlorination of algal organic matter extracted from freshwater and marine algae. <i>Water Research</i> , 2018, 142, 313-324.	11.3	101
34	An evaluation of the genotoxic properties of herbicides following plant and animal activation. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1984, 136, 233-245.	1.2	99
35	An evaluation of the genotoxic properties of insecticides following plant and animal activation. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1982, 101, 19-29.	1.2	96
36	Analysis of the cytotoxicity and mutagenicity of drinking water disinfection by-products in <i>Salmonella typhimurium</i> . <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2002, 22, 113-128.	0.8	93

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37	Mutagenicity of atrazine: A maize-microbe bioassay. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1976, 38, 287-292.	0.4	92
38	The comet assay: Genotoxic damage or nuclear fragmentation?. Environmental and Molecular Mutagenesis, 2003, 42, 61-67.	2.2	90
39	Induction of somatic DNA damage as measured by single cell gel electrophoresis and point mutation in leaves of tobacco plants. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 401, 143-152.	1.0	88
40	Activation of Promutagens by Green Plants. Annual Review of Genetics, 1993, 27, 93-113.	7.6	86
41	Identification and Comparative Mammalian Cell Cytotoxicity of New Iodo-Phenolic Disinfection Byproducts in Chloraminated Oil and Gas Wastewaters. Environmental Science and Technology Letters, 2017, 4, 475-480.	8.7	83
42	Comparative Human Cell Toxicogenomic Analysis of Monohaloacetic Acid Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2010, 44, 7206-7212.	10.0	80
43	Analysis of mutagens with single cell gel electrophoresis, flow cytometry, and forward mutation assays in an isolated clone of Chinese hamster ovary cells. , 1998, 32, 360-368.		78
44	Drivers of Disinfection Byproduct Cytotoxicity in U.S. Drinking Water: Should Other DBPs Be Considered for Regulation?. Environmental Science & Technology, 2022, 56, 392-402.	10.0	77
45	Water Disinfection Byproducts Increase Natural Transformation Rates of Environmental DNA in <i>Acinetobacter baylyi</i> ADP1. Environmental Science & Technology, 2019, 53, 6520-6528.	10.0	76
46	Comparative Mammalian Cell Cytotoxicity of Water Concentrates from Disinfected Recreational Pools. Environmental Science & Technology, 2011, 45, 4159-4165.	10.0	74
47	Toxicity of Wastewater with Elevated Bromide and Iodide after Chlorination, Chloramination, or Ozonation Disinfection. Environmental Science & Technology, 2017, 51, 9297-9304.	10.0	73
48	Characterization and Comparison of Disinfection By-Products of Four Major Disinfectants. ACS Symposium Series, 2000, , 299-314.	0.5	72
49	Comparative Quantitative Toxicology and QSAR Modeling of the Haloacetonitriles: Forcing Agents of Water Disinfection Byproduct Toxicity. Environmental Science & Technology, 2020, 54, 8909-8918.	10.0	72
50	Differential Toxicity of Drinking Water Disinfected with Combinations of Ultraviolet Radiation and Chlorine. Environmental Science & Technology, 2012, 46, 7811-7817.	10.0	68
51	Chloramination of wastewater effluent: Toxicity and formation of disinfection byproducts. Journal of Environmental Sciences, 2017, 58, 135-145.	6.1	67
52	<i>In Vitro</i> Cytotoxicity and Adaptive Stress Responses to Selected Haloacetic Acid and Halobenzoquinone Water Disinfection Byproducts. Chemical Research in Toxicology, 2015, 28, 2059-2068.	3.3	64
53	Comparative genotoxicity of nitrosamine drinking water disinfection byproducts in Salmonella and mammalian cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 741, 109-115.	1.7	62
54	A comparison of DNA repair using the comet assay in tobacco seedlings after exposure to alkylating agents or ionizing radiation. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 470, 1-9.	1.7	60

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55	Toxicity of Drinking Water Disinfection Byproducts: Cell Cycle Alterations Induced by the Monohaloacetonitriles. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11662-11669.	10.0	59
56	The relationship between nickel chloride-induced peroxidation and DNA strand breakage in rat liver. <i>Toxicology and Applied Pharmacology</i> , 1992, 117, 98-103.	2.8	57
57	Antimicrobial egg cleaning by the fringed darter ( <i>Perciformes: Percidae: Etheostoma crossopterum</i> ): implications of a novel component of parental care in fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2405-2411.	2.6	54
58	Mammalian Cell DNA Damage and Repair Kinetics of Monohaloacetic Acid Drinking Water Disinfection By-Products. <i>Environmental Science &amp; Technology</i> , 2009, 43, 8437-8442.	10.0	52
59	Chloroacetonitrile and <i>N</i> ,2-Dichloroacetamide Formation from the Reaction of Chloroacetaldehyde and Monochloramine in Water. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12382-12390.	10.0	51
60	An investigation of some Turkish herbal medicines in <i>Salmonella typhimurium</i> and in the COMET assay in human lymphocytes. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1996, 16, 125-138.	0.8	50
61	Comparative <i>in Vitro</i> Toxicity of Nitrosamines and Nitramines Associated with Amine-based Carbon Capture and Storage. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8203-8211.	10.0	50
62	Pyruvate remediation of cell stress and genotoxicity induced by haloacetic acid drinking water disinfection by-products. <i>Environmental and Molecular Mutagenesis</i> , 2013, 54, 629-637.	2.2	48
63	The impact of iodinated X-ray contrast agents on formation and toxicity of disinfection by-products in drinking water. <i>Journal of Environmental Sciences</i> , 2017, 58, 173-182.	6.1	46
64	Toxicological Comparison of Water, Wastewaters, and Processed Wastewaters. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9139-9147.	10.0	44
65	Energy of the Lowest Unoccupied Molecular Orbital, Thiol Reactivity, and Toxicity of Three Monobrominated Water Disinfection Byproducts. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3215-3221.	10.0	42
66	Comparison of DNA damage in plants as measured by single cell gel electrophoresis and somatic leaf mutations induced by monofunctional alkylating agents. <i>Environmental and Molecular Mutagenesis</i> , 1999, 33, 279-286.	2.2	40
67	Comparative Toxicity of High-Molecular Weight Iopamidol Disinfection Byproducts. <i>Environmental Science and Technology Letters</i> , 2016, 3, 81-84.	8.7	40
68	Charting a New Path To Resolve the Adverse Health Effects of DBPs. <i>ACS Symposium Series</i> , 2015, , 3-23.	0.5	39
69	The Activation of Chemicals into Mutagens by Green Plants. , 1982, , 401-420.		37
70	Making Swimming Pools Safer: Does Copper/Silver Ionization with Chlorine Lower the Toxicity and Disinfection Byproduct Formation?. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2908-2918.	10.0	36
71	Induction of somatic mutations in <i>Tradescantia</i> clone 4430 by three phenylenediamine isomers and the antimutagenic mechanisms of diethyldithiocarbamate and ammonium meta-vanadate. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 306, 165-172.	1.0	35
72	Detecting Departure From Additivity Along a Fixed-Ratio Mixture Ray With a Piecewise Model for Dose and Interaction Thresholds. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2010, 15, 510-522.	1.4	35

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73	Genotoxic and clastogenic effects of monohaloacetic acid drinking water disinfection by-products in primary human lymphocytes. <i>Water Research</i> , 2013, 47, 3282-3290.	11.3	35
74	Comparative Mammalian Cell Cytotoxicity of Wastewaters for Agricultural Reuse after Ozonation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11752-11759.	10.0	35
75	Comparative mutagenicity of plant-activated aromatic amines using salmonella strains with different acetyltransferase activities. <i>Environmental and Molecular Mutagenesis</i> , 1994, 23, 64-69.	2.2	34
76	Monohaloacetic acid drinking water disinfection by-products inhibit follicle growth and steroidogenesis in mouse ovarian antral follicles in vitro. <i>Reproductive Toxicology</i> , 2016, 62, 71-76.	2.9	34
77	Predominant <i>N</i> -Haloacetamide and Haloacetonitrile Formation in Drinking Water via the Aldehyde Reaction Pathway. <i>Environmental Science &amp; Technology</i> , 2019, 53, 850-859.	10.0	34
78	The plant cell/microbe coinoculation assay for the analysis of plant-activated promutagens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988, 197, 207-219.	1.0	33
79	Testing for additivity in chemical mixtures using a fixed-ratio ray design and statistical equivalence testing methods. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2007, 12, 514-533.	1.4	33
80	Chloramination of iodide-containing waters: Formation of iodinated disinfection byproducts and toxicity correlation with total organic halides of treated waters. <i>Science of the Total Environment</i> , 2019, 697, 134142.	8.0	33
81	Toxicity of chlorinated algal-impacted waters: Formation of disinfection byproducts vs. reduction of cyanotoxins. <i>Water Research</i> , 2020, 184, 116145.	11.3	33
82	The detection of weak recombinogenic activities in the herbicides alachlor and propachlor using a plant-activation bioassay. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1977, 48, 113-115.	1.0	32
83	Biochemical and mutagenic characterization of plant-activated aromatic amines. <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 1353-1363.	4.3	32
84	Haloacetic Acid Water Disinfection Byproducts Affect Pyruvate Dehydrogenase Activity and Disrupt Cellular Metabolism. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1525-1532.	10.0	32
85	The impact of disinfection Ct values on cytotoxicity of agricultural wastewaters: Ozonation vs. chlorination. <i>Water Research</i> , 2018, 144, 482-490.	11.3	32
86	In vitro enhancement of the mutagenicity of 4-nitro-o-phenylenediamine by plant S-9. <i>Environmental Mutagenesis</i> , 1985, 7, 73-85.	1.4	31
87	Mutagenicity of selected aniline derivatives to Salmonella following plant activation and mammalian hepatic activation. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1987, 188, 185-196.	1.2	31
88	Human cell toxicogenomic analysis of bromoacetic acid: A regulated drinking water disinfection by-product. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 205-214.	2.2	31
89	Specific-locus mutation assay in Zea mays. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1982, 99, 317-337.	2.9	30
90	Formation of iodinated trihalomethanes and noniodinated disinfection byproducts during chloramination of algal organic matter extracted from <i>Microcystis aeruginosa</i> . <i>Water Research</i> , 2019, 162, 115-126.	11.3	30

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91	The biochemical mechanisms of the plant activation of promutagenic aromatic amines. <i>Environmental and Molecular Mutagenesis</i> , 1990, 15, 236-244.	2.2	29
92	Modulation of the genotoxicity of pesticides reacted with redox-modified smectite clay. <i>Environmental and Molecular Mutagenesis</i> , 2005, 46, 174-181.	2.2	29
93	Acetonitrile and <i>N</i> -Chloroacetamide Formation from the Reaction of Acetaldehyde and Monochloramine. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9954-9963.	10.0	29
94	Iodoacetic acid inhibits follicle growth and alters expression of genes that regulate apoptosis, the cell cycle, estrogen receptors, and ovarian steroidogenesis in mouse ovarian follicles. <i>Reproductive Toxicology</i> , 2020, 91, 101-108.	2.9	29
95	Monohalogenated acetamide-induced cellular stress and genotoxicity are related to electrophilic softness and thiol/thiolate reactivity. <i>Journal of Environmental Sciences</i> , 2017, 58, 224-230.	6.1	28
96	Assessing the cytotoxicity of ambient particulate matter (PM) using Chinese hamster ovary (CHO) cells and its relationship with the PM chemical composition and oxidative potential. <i>Atmospheric Environment</i> , 2018, 179, 132-141.	4.1	28
97	In vitro activation of chemicals by plants: a comparison of techniques. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1986, 164, 53-58.	0.4	27
98	Use of the diaminobenzoic acid fluorescence assay in conjunction with uv absorbance as a means of quantifying and ascertaining the purity of a DNA preparation. <i>Analytical Biochemistry</i> , 1989, 180, 314-318.	2.4	27
99	Comparative mammalian cell cytotoxicity of wastewater with elevated bromide and iodide after chlorination, chloramination, or ozonation. <i>Journal of Environmental Sciences</i> , 2017, 58, 296-301.	6.1	27
100	High-Resolution Mass Spectrometry Identification of Novel Surfactant-Derived Sulfur-Containing Disinfection Byproducts from Gas Extraction Wastewater. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9374-9386.	10.0	27
101	Preferential Halogenation of Algal Organic Matter by Iodine over Chlorine and Bromine: Formation of Disinfection Byproducts and Correlation with Toxicity of Disinfected Waters. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1244-1256.	10.0	27
102	Evaluation of the nuclear DNA Diffusion Assay to detect apoptosis and necrosis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 586, 38-46.	1.7	26
103	Effect of drinking water disinfection by-products in human peripheral blood lymphocytes and sperm. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 770, 136-143.	1.0	26
104	Spectroscopic Indicators for Cytotoxicity of Chlorinated and Ozonated Effluents from Wastewater Stabilization Ponds and Activated Sludge. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3167-3174.	10.0	26
105	Use of four short-term tests to evaluate the mutagenicity of municipal water. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1982, 9, 127-140.	2.3	25
106	Effects of specific monooxygenase and oxidase inhibitors on the activation of 2-aminofluorene by plant cells. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1989, 216, 163-178.	0.4	25
107	Characterization of stable high molecular weight mutagenic product(s) of plant-activated <i>m</i> -phenylenediamine. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1993, 299, 111-120.	1.2	25
108	Thiol Reactivity Analyses To Predict Mammalian Cell Cytotoxicity of Water Samples. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8822-8829.	10.0	24

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109	Assessment of the mutagenicity of fractions from s-triazine-treated Zea mays. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 197, 325-336.	1.0	23
110	Chapter 3. Microplate-Based Comet Assay. Issues in Toxicology, 2009, , 79-97.	0.1	23
111	Chlorotyrosines versus Volatile Byproducts from Chlorine Disinfection during Washing of Spinach and Lettuce. Environmental Science & Technology, 2018, 52, 9361-9369.	10.0	22
112	Single cell gel electrophoresis analysis of genomic damage induced by ethyl methanesulfonate in cultured tobacco cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 422, 323-330.	1.0	21
113	Evaluation of EMS-induced DNA damage in the single cell gel electrophoresis (Comet) assay and with flow cytometric analysis of micronuclei. Teratogenesis, Carcinogenesis, and Mutagenesis, 2003, 23, 1-11.	0.8	21
114	Global Transcriptional Analysis of Nontransformed Human Intestinal Epithelial Cells (FHs 74 Int) after Exposure to Selected Drinking Water Disinfection By-Products. Environmental Health Perspectives, 2019, 127, 117006.	6.0	21
115	Iodoacetic acid affects estrous cyclicity, ovarian gene expression, and hormone levels in mice. Biology of Reproduction, 2021, 105, 1030-1042.	2.7	21
116	Plant activation of m-phenylenediamine by tobacco, cotton, and carrot cell suspension cultures. Environmental and Molecular Mutagenesis, 1987, 10, 79-88.	2.2	20
117	Differentiation of Total Organic Brominated and Chlorinated Compounds in Total Organic Halide Measurement: A New Approach with an Ion-Chromatographic Technique. ACS Symposium Series, 2000, , 330-342.	0.5	20
118	Metabolic activation of m-phenylenediamine to products mutagenic in Salmonella typhimurium by medium isolated from tobacco suspension cell cultures. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 331, 127-132.	1.0	19
119	Formation of DBPs and halogen-specific TOX in the presence of iopamidol and chlorinated oxidants. Chemosphere, 2018, 202, 349-357.	8.2	19
120	The use of cell-free systems in plant activation studies. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 197, 173-182.	1.0	18
121	Antimutagenicity of three isomers of aminobenzoic acid in Salmonella typhimurium. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 309, 201-210.	1.0	18
122	Genotoxicity of m-phenylenediamine and 2-aminofluorene in Salmonella typhimurium and human lymphocytes with and without plant activation. Environmental and Molecular Mutagenesis, 1995, 26, 171-177.	2.2	18
123	Plant activation and its role in environmental mutagenesis and antimutagenesis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 350, 163-171.	1.0	17
124	Disinfection byproducts and halogen-specific total organic halogen speciation in chlorinated source waters – The impact of iopamidol and bromide. Journal of Environmental Sciences, 2020, 89, 90-101.	6.1	17
125	Formation of regulated and unregulated disinfection byproducts during chlorination and chloramination: Roles of dissolved organic matter type, bromide, and iodide. Journal of Environmental Sciences, 2022, 117, 151-160.	6.1	17
126	Isolating antigenotoxic components and cancer cell growth suppressors from agricultural by-products. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 480-481, 109-120.	1.0	16



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127	Induction of micronuclei in maize root-tip cells and a correlation with forward mutation at theyg2 locus. <i>Environmental Mutagenesis</i> , 1985, 7, 821-832.	1.4	15
128	Modulation of the mutagenicity of heterocyclic amines by organophosphate insecticides and their metabolites. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 536, 103-115.	1.7	15
129	Alteration of Mammalian-Cell Toxicity of Pesticides by Structural Iron(II) in Ferruginous Smectite. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4383-4389.	10.0	15
130	Molecular dosimetry studies of forward mutation induced at the yg2 locus in maize by ethyl methanesulfonate. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1989, 211, 231-241.	1.0	12
131	Antimutagenic activity of chemical fractions isolated from a commercial soybean processing by-product. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1999, 19, 121-135.	0.8	12
132	Plant-activation of the bicyclic aromatic amines benzidine and 4-aminobiphenyl. <i>Environmental and Molecular Mutagenesis</i> , 1997, 29, 81-90.	2.2	11
133	In vitro effects-based method and water quality screening model for use in pre- and post-distribution treated waters. <i>Science of the Total Environment</i> , 2021, 768, 144750.	8.0	11
134	A New Assessment of the Cytotoxicity and Genotoxicity of Drinking Water Disinfection By-Products. <i>ACS Symposium Series</i> , 2000, , 16-27.	0.5	10
135	Relationships between regulated DBPs and emerging DBPs of health concern in U.S. drinking water. <i>Journal of Environmental Sciences</i> , 2022, 117, 161-172.	6.1	10
136	Feel the Burn: Disinfection Byproduct Formation and Cytotoxicity during Chlorine Burn Events. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8245-8254.	10.0	10
137	Mutagenic analysis of 2,3-diaminophenazine and 2-amino-3-hydroxyphenazine in Salmonella strains expressing different levels of O-acetyltransferase with and without plant and mammalian activation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 372, 65-74.	1.0	9
138	Impact of chlorine exposure time on disinfection byproduct formation in the presence of iopamidol and natural organic matter during chloramination. <i>Journal of Environmental Sciences</i> , 2019, 78, 204-214.	6.1	9
139	Influence of Anaerobic Mesophilic and Thermophilic Digestion on Cytotoxicity of Swine Wastewaters. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3032-3038.	10.0	9
140	Calibration of the maize yg2 assay using gamma radiation and ethylmethanesulfonate. <i>Environmental Mutagenesis</i> , 1984, 6, 781-795.	1.4	8
141	Mutagenic synergy between paraoxon and mammalian or plant-activated aromatic amines. <i>Environmental and Molecular Mutagenesis</i> , 1997, 30, 312-320.	2.2	8
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