

Michael J Plewa

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165
papers

11,191
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103
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171
ext. papers

12,689
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
165	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	7	2054
164	Occurrence and mammalian cell toxicity of iodinated disinfection byproducts in drinking water. <i>Environmental Science & Technology</i> , 2008 , 42, 8330-8	10.3	688
163	Haloacetonitriles vs. regulated haloacetic acids: are nitrogen-containing DBPs more toxic?. <i>Environmental Science & Technology</i> , 2007 , 41, 645-51	10.3	486
162	Occurrence, synthesis, and mammalian cell cytotoxicity and genotoxicity of haloacetamides: an emerging class of nitrogenous drinking water disinfection byproducts. <i>Environmental Science & Technology</i> , 2008 , 42, 955-61	10.3	385
161	Halonitromethane drinking water disinfection byproducts: chemical characterization and mammalian cell cytotoxicity and genotoxicity. <i>Environmental Science & Technology</i> , 2004 , 38, 62-8	10.3	384
160	Chemical and biological characterization of newly discovered iodoacid drinking water disinfection byproducts. <i>Environmental Science & Technology</i> , 2004 , 38, 4713-22	10.3	382
159	CHO cell cytotoxicity and genotoxicity analyses of disinfection by-products: An updated review. <i>Journal of Environmental Sciences</i> , 2017 , 58, 64-76	6.4	327
158	Mammalian cell cytotoxicity and genotoxicity analysis of drinking water disinfection by-products. <i>Environmental and Molecular Mutagenesis</i> , 2002 , 40, 134-42	3.2	302
157	Evidence that hydrogen sulfide is a genotoxic agent. <i>Molecular Cancer Research</i> , 2006 , 4, 9-14	6.6	245
156	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, 871-8	3.2	214
155	Tribromopyrrole, brominated acids, and other disinfection byproducts produced by disinfection of drinking water rich in bromide. <i>Environmental Science & Technology</i> , 2003 , 37, 3782-93	10.3	205
154	Formation of toxic iodinated disinfection by-products from compounds used in medical imaging. <i>Environmental Science & Technology</i> , 2011 , 45, 6845-54	10.3	201
153	Hydrogen sulfide induces direct radical-associated DNA damage. <i>Molecular Cancer Research</i> , 2007 , 5, 455-9	6.6	182
152	Toxic impact of bromide and iodide on drinking water disinfected with chlorine or chloramines. <i>Environmental Science & Technology</i> , 2014 , 48, 12362-9	10.3	163
151	N-Nitrosamines and halogenated disinfection byproducts in U.S. Full Advanced Treatment trains for potable reuse. <i>Water Research</i> , 2016 , 101, 176-186	12.5	141
150	Comparative Mammalian Cell Toxicity of N-DBPs and C-DBPs. <i>ACS Symposium Series</i> , 2008 , 36-50	0.4	125
149	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	6.4	124

148	Chemical and biological characterization of wastewater generated from hydrothermal liquefaction of Spirulina. <i>Environmental Science & Technology</i> , 2013 , 47, 2131-8	10.3	124
147	Occurrence and Comparative Toxicity of Haloacetaldehyde Disinfection Byproducts in Drinking Water. <i>Environmental Science & Technology</i> , 2015 , 49, 13749-59	10.3	123
146	DNA damage and toxicogenomic analyses of hydrogen sulfide in human intestinal epithelial FHs 74 Int cells. <i>Environmental and Molecular Mutagenesis</i> , 2010 , 51, 304-14	3.2	121
145	Occurrence and toxicity of disinfection byproducts in European drinking waters in relation with the HIWATE epidemiology study. <i>Environmental Science & Technology</i> , 2012 , 46, 12120-8	10.3	115
144	Transformation of iopamidol during chlorination. <i>Environmental Science & Technology</i> , 2014 , 48, 12689-97	10.3	102
143	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	3.3	100
142	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, 233-45		95
141	Measurement of nitrosamine and nitramine formation from NOx reactions with amines during amine-based carbon dioxide capture for postcombustion carbon sequestration. <i>Environmental Science & Technology</i> , 2012 , 46, 9793-801	10.3	94
140	Comparison of byproduct formation in waters treated with chlorine and iodine: relevance to point-of-use treatment. <i>Environmental Science & Technology</i> , 2010 , 44, 8446-52	10.3	94
139	Biological mechanism for the toxicity of haloacetic acid drinking water disinfection byproducts. <i>Environmental Science & Technology</i> , 2011 , 45, 5791-7	10.3	94
138	Genotoxicity of water concentrates from recreational pools after various disinfection methods. <i>Environmental Science & Technology</i> , 2010 , 44, 3527-32	10.3	93
137	Modulation of the cytotoxicity and genotoxicity of the drinking water disinfection byproduct Iodoacetic acid by suppressors of oxidative stress. <i>Environmental Science & Technology</i> , 2006 , 40, 1878-83	10.3	88
136	Mutagenicity of atrazine: a maize-microbe bioassay. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1976 , 38, 287-92		85
135	The comet assay: genotoxic damage or nuclear fragmentation?. <i>Environmental and Molecular Mutagenesis</i> , 2003 , 42, 61-7	3.2	83
134	Human cell toxicogenomic analysis linking reactive oxygen species to the toxicity of monohaloacetic acid drinking water disinfection byproducts. <i>Environmental Science & Technology</i> , 2013 , 47, 12514-23	10.3	82
133	Analysis of the cytotoxicity and mutagenicity of drinking water disinfection by-products in Salmonella typhimurium. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2002 , 22, 113-28		82
132	Boiling of simulated tap water: effect on polar brominated disinfection byproducts, halogen speciation, and cytotoxicity. <i>Environmental Science & Technology</i> , 2014 , 48, 149-56	10.3	80
131	Induction of somatic DNA damage as measured by single cell gel electrophoresis and point mutation in leaves of tobacco plants. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998 , 401, 143-52	3.3	77

130	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		75
129	Activation of promutagens by green plants. <i>Annual Review of Genetics</i> , 1993 , 27, 93-113	14.5	72
128	Comparative human cell toxicogenomic analysis of monohaloacetic acid drinking water disinfection byproducts. <i>Environmental Science & Technology</i> , 2010 , 44, 7206-12	10.3	66
127	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		63
126	Differential toxicity of drinking water disinfected with combinations of ultraviolet radiation and chlorine. <i>Environmental Science & Technology</i> , 2012 , 46, 7811-7	10.3	62
125	Comparative Mammalian cell cytotoxicity of water concentrates from disinfected recreational pools. <i>Environmental Science & Technology</i> , 2011 , 45, 4159-65	10.3	60
124	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	12.5	58
123	Characterization and Comparison of Disinfection By-Products of Four Major Disinfectants. <i>ACS Symposium Series</i> , 2000 , 299-314	0.4	57
122	A comparison of DNA repair using the comet assay in tobacco seedlings after exposure to alkylating agents or ionizing radiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000 , 470, 1-9	3	55
121	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	6.8	54
120	Identification and Comparative Mammalian Cell Cytotoxicity of New Iodo-Phenolic Disinfection Byproducts in Chloraminated Oil and Gas Wastewaters. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 475-480	11	54
119	Assessing Additivity of Cytotoxicity Associated with Disinfection Byproducts in Potable Reuse and Conventional Drinking Waters. <i>Environmental Science & Technology</i> , 2020 , 54, 5729-5736	10.3	54
118	Toxicity of Wastewater with Elevated Bromide and Iodide after Chlorination, Chloramination, or Ozonation Disinfection. <i>Environmental Science & Technology</i> , 2017 , 51, 9297-9304	10.3	53
117	Comparative genotoxicity of nitrosamine drinking water disinfection byproducts in Salmonella and mammalian cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 741, 109-115	10.3	52
116	The relationship between nickel chloride-induced peroxidation and DNA strand breakage in rat liver. <i>Toxicology and Applied Pharmacology</i> , 1992 , 117, 98-103	4.6	52
115	In Vitro Cytotoxicity and Adaptive Stress Responses to Selected Haloacetic Acid and Halobenzoquinone Water Disinfection Byproducts. <i>Chemical Research in Toxicology</i> , 2015 , 28, 2059-68	4	50
114	Antimicrobial egg cleaning by the fringed darter (Perciformes: Percidae: Etheostoma crossopterum): implications of a novel component of parental care in fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 2405-11	4.4	47
113	Chloramination of wastewater effluent: Toxicity and formation of disinfection byproducts. <i>Journal of Environmental Sciences</i> , 2017 , 58, 135-145	6.4	46

112	Mammalian cell DNA damage and repair kinetics of monohaloacetic acid drinking water disinfection by-products. <i>Environmental Science & Technology</i> , 2009 , 43, 8437-42	10.3	43
111	Chloroacetonitrile and <i>n</i> ,2-dichloroacetamide formation from the reaction of chloroacetaldehyde and monochloramine in water. <i>Environmental Science & Technology</i> , 2013 , 47, 12382-90	10.3	42
110	Toxicity of drinking water disinfection byproducts: cell cycle alterations induced by the monohaloacetonitriles. <i>Environmental Science & Technology</i> , 2014 , 48, 11662-9	10.3	40
109	An investigation of some Turkish herbal medicines in Salmonella typhimurium and in the COMET assay in human lymphocytes. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1996 , 16, 125-38		40
108	Water Disinfection Byproducts Increase Natural Transformation Rates of Environmental DNA in Acinetobacter baylyi ADP1. <i>Environmental Science & Technology</i> , 2019 , 53, 6520-6528	10.3	38
107	Pyruvate remediation of cell stress and genotoxicity induced by haloacetic acid drinking water disinfection by-products. <i>Environmental and Molecular Mutagenesis</i> , 2013 , 54, 629-37	3.2	36
106	Comparative in vitro toxicity of nitrosamines and nitramines associated with amine-based carbon capture and storage. <i>Environmental Science & Technology</i> , 2014 , 48, 8203-11	10.3	35
105	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, 279-86	3.2	34
104	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	6.4	33
103	Induction of somatic mutations in Tradescantia 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, 165-72	3.3	33
102	Comparative Toxicity of High-Molecular Weight Iopamidol Disinfection Byproducts. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 81-84	11	31
101	Biochemical and mutagenic characterization of plant-activated aromatic amines. <i>Environmental Toxicology and Chemistry</i> , 1993 , 12, 1353-1363	3.8	31
100	The plant cell/microbe coincubation assay for the analysis of plant-activated promutagens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988 , 197, 207-19	3.3	31
99	Charting a New Path To Resolve the Adverse Health Effects of DBPs. <i>ACS Symposium Series</i> , 2015 , 3-23	0.4	30
98	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	1.9	29
97	Comparative mutagenicity of plant-activated aromatic amines using Salmonella strains with different acetyltransferase activities. <i>Environmental and Molecular Mutagenesis</i> , 1994 , 23, 64-9	3.2	29
96	Comparative Mammalian Cell Cytotoxicity of Wastewaters for Agricultural Reuse after Ozonation. <i>Environmental Science & Technology</i> , 2016 , 50, 11752-11759	10.3	29
95	Toxicological Comparison of Water, Wastewaters, and Processed Wastewaters. <i>Environmental Science & Technology</i> , 2019 , 53, 9139-9147	10.3	28

94	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	1.9	28
93	The biochemical mechanisms of the plant activation of promutagenic aromatic amines. <i>Environmental and Molecular Mutagenesis</i> , 1990 , 15, 236-44	3.2	28
92	Energy of the Lowest Unoccupied Molecular Orbital, Thiol Reactivity, and Toxicity of Three Monobrominated Water Disinfection Byproducts. <i>Environmental Science & Technology</i> , 2016 , 50, 3215-21	10.3	28
91	Comparative Quantitative Toxicology and QSAR Modeling of the Haloacetonitriles: Forcing Agents of Water Disinfection Byproduct Toxicity. <i>Environmental Science & Technology</i> , 2020 , 54, 8909-8918	10.3	27
90	Acetonitrile and N-Chloroacetamide Formation from the Reaction of Acetaldehyde and Monochloramine. <i>Environmental Science & Technology</i> , 2015 , 49, 9954-63	10.3	27
89	In vitro activation of chemicals by plants: a comparison of techniques. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1986 , 164, 53-8		26
88	Specific-locus mutation assays in Zea mays. A report of the U.S. Environmental Protection Agency Gene-Tox Program. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1982 , 99, 317-37		26
87	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, 113-6	3.3	26
86	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	10.2	25
85	Human cell toxicogenomic analysis of bromoacetic acid: a regulated drinking water disinfection by-product. <i>Environmental and Molecular Mutagenesis</i> , 2010 , 51, 205-14	3.2	25
84	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	3	25
83	Modulation of the genotoxicity of pesticides reacted with redox-modified smectite clay. <i>Environmental and Molecular Mutagenesis</i> , 2005 , 46, 174-81	3.2	25
82	In vitro enhancement of the mutagenicity of 4-nitro-o-phenylenediamine by plant S-9. <i>Environmental Mutagenesis</i> , 1985 , 7, 73-85		25
81	Genotoxic and clastogenic effects of monohaloacetic acid drinking water disinfection by-products in primary human lymphocytes. <i>Water Research</i> , 2013 , 47, 3282-90	12.5	24
80	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	6.4	23
79	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, 163-78		23
78	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	5.3	22
77	Characterization of stable high molecular weight mutagenic product(s) of plant-activated m-phenylenediamine. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1993 , 299, 111-20		22

76	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, 127-40	3.2	22
75	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	6.4	21
74	Spectroscopic Indicators for Cytotoxicity of Chlorinated and Ozonated Effluents from Wastewater Stabilization Ponds and Activated Sludge. <i>Environmental Science & Technology</i> , 2018 , 52, 3167-3174 ^{10.3}	10.3	21
73	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, 314-8	3.1	21
72	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, 185-96		21
71	The Activation of Chemicals into Mutagens by Green Plants 1982 , 401-420		21
70	Chapter 3. Microplate-Based Comet Assay. <i>Issues in Toxicology</i> , 2009 , 79-97	0.3	21
69	The impact of disinfection Ct values on cytotoxicity of agricultural wastewaters: Ozonation vs. chlorination. <i>Water Research</i> , 2018 , 144, 482-490	12.5	20
68	Plant activation of m-phenylenediamine by tobacco, cotton, and carrot cell suspension cultures. <i>Environmental and Molecular Mutagenesis</i> , 1987 , 10, 79-88	3.2	20
67	Assessment of the mutagenicity of fractions from s-triazine-treated Zea mays. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988 , 197, 325-36	3.3	20
66	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, 71-6	3.4	20
65	Predominant N-Haloacetamide and Haloacetonitrile Formation in Drinking Water via the Aldehyde Reaction Pathway. <i>Environmental Science & Technology</i> , 2019 , 53, 850-859	10.3	20
64	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	12.5	17
63	Thiol Reactivity Analyses To Predict Mammalian Cell Cytotoxicity of Water Samples. <i>Environmental Science & Technology</i> , 2018 , 52, 8822-8829	10.3	17
62	Single cell gel electrophoresis analysis of genomic damage induced by ethyl methanesulfonate in cultured tobacco cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998 , 422, 323-30	3.3	17
61	Plant activation and its role in environmental mutagenesis and antimutagenesis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996 , 350, 163-71	3.3	17
60	Haloacetic Acid Water Disinfection Byproducts Affect Pyruvate Dehydrogenase Activity and Disrupt Cellular Metabolism. <i>Environmental Science & Technology</i> , 2018 , 52, 1525-1532	10.3	16
59	Formation of DBPs and halogen-specific TOX in the presence of iopamidol and chlorinated oxidants. <i>Chemosphere</i> , 2018 , 202, 349-357	8.4	16

58	Metabolic activation of m-phenylenediamine to products mutagenic in Salmonella typhimurium by medium isolated from tobacco suspension cell cultures. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995 , 331, 127-32	3.3	16
57	Antimutagenicity of three isomers of aminobenzoic acid in Salmonella typhimurium. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994 , 309, 201-10	3.3	16
56	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, 136-43	3.3	15
55	Evaluation of EMS-induced DNA damage in the single cell gel electrophoresis (Comet) assay and with flow cytometric analysis of micronuclei. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2003 , Suppl 2, 1-11		15
54	The use of cell-free systems in plant activation studies. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988 , 197, 173-82	3.3	15
53	Induction of micronuclei in maize root-tip cells and a correlation with forward mutation at the yg2 locus. <i>Environmental Mutagenesis</i> , 1985 , 7, 821-32		15
52	Chlorotyrosines versus Volatile Byproducts from Chlorine Disinfection during Washing of Spinach and Lettuce. <i>Environmental Science & Technology</i> , 2018 , 52, 9361-9369	10.3	14
51	Differentiation of Total Organic Brominated and Chlorinated Compounds in Total Organic Halide Measurement: A New Approach with an Ion-Chromatographic Technique. <i>ACS Symposium Series</i> , 2000 , 330-342	0.4	14
50	Genotoxicity of m-phenylenediamine and 2-aminofluorene in Salmonella typhimurium and human lymphocytes with and without plant activation. <i>Environmental and Molecular Mutagenesis</i> , 1995 , 26, 171-7 ²	3.2	14
49	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	3.4	14
48	Global Transcriptional Analysis of Nontransformed Human Intestinal Epithelial Cells (FHs 74 Int) after Exposure to Selected Drinking Water Disinfection By-Products. <i>Environmental Health Perspectives</i> , 2019 , 127, 117006	8.4	14
47	Alteration of mammalian-cell toxicity of pesticides by structural iron(II) in ferruginous smectite. <i>Environmental Science & Technology</i> , 2004 , 38, 4383-9	10.3	13
46	Modulation of the mutagenicity of heterocyclic amines by organophosphate insecticides and their metabolites. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003 , 536, 103-15	3	13
45	Isolating antigenotoxic components and cancer cell growth suppressors from agricultural by-products. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001 , 480-481, 109-20	3.3	13
44	Disinfection byproducts and halogen-specific total organic halogen speciation in chlorinated source waters - The impact of iopamidol and bromide. <i>Journal of Environmental Sciences</i> , 2020 , 89, 90-101	6.4	13
43	Toxicity of chlorinated algal-impacted waters: Formation of disinfection byproducts vs. reduction of cyanotoxins. <i>Water Research</i> , 2020 , 184, 116145	12.5	12
42	Antimutagenic activity of chemical fractions isolated from a commercial soybean processing by-product. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1999 , 19, 121-35		10
41	High-Resolution Mass Spectrometry Identification of Novel Surfactant-Derived Sulfur-Containing Disinfection Byproducts from Gas Extraction Wastewater. <i>Environmental Science & Technology</i> , 2020 , 54, 9374-9386	10.3	9

40	Plant-activation of the bicyclic aromatic amines benzidine and 4-aminobiphenyl. <i>Environmental and Molecular Mutagenesis</i> , 1997 , 29, 81-90	3.2	9
39	Mutagenic synergy between paraoxon and mammalian or plant-activated aromatic amines. <i>Environmental and Molecular Mutagenesis</i> , 1997 , 30, 312-320	3.2	8
38	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	3.3	8
37	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, 231-41	3.3	8
36	Calibration of the maize yg2 assay using gamma radiation and ethylmethanesulfonate. <i>Environmental Mutagenesis</i> , 1984 , 6, 781-95		8
35	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	6.4	8
34	Making Swimming Pools Safer: Does Copper-Silver Ionization with Chlorine Lower the Toxicity and Disinfection Byproduct Formation?. <i>Environmental Science & Technology</i> , 2021 , 55, 2908-2918	10.3	8
33	Drivers of Disinfection Byproduct Cytotoxicity in U.S. Drinking Water: Should Other DBPs Be Considered for Regulation?. <i>Environmental Science & Technology</i> , 2021 ,	10.3	8
32	Pentachlorophenol-mediated mutagenic synergy with aromatic amines in Salmonella typhimurium. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998 , 420, 115-24	3	7
31	Investigation of nuclear enzyme topoisomerase as a putative molecular target of monohaloacetonitrile disinfection by-products. <i>Journal of Environmental Sciences</i> , 2017 , 58, 231-238	6.4	6
30	Influence of Anaerobic Mesophilic and Thermophilic Digestion on Cytotoxicity of Swine Wastewaters. <i>Environmental Science & Technology</i> , 2020 , 54, 3032-3038	10.3	6
29	Development and performance characterization of a polyamide nanofiltration membrane modified with covalently bonded aramide dendrimers. <i>Environmental Science & Technology</i> , 2013 , 47, 8642-9	10.3	6
28	Mutagenic synergy between paraoxon and plant-activated m-phenylenediamine or 2-acetoxyacetylaminofluorene. <i>Environmental and Molecular Mutagenesis</i> , 1996 , 27, 59-66	3.2	6
27	Analysis, Occurrence, and Toxicity of Haloacetaldehydes in Drinking Waters: Iodoacetaldehyde as an Emerging Disinfection By-Product. <i>ACS Symposium Series</i> , 2015 , 25-43	0.4	5
26	A New Assessment of the Cytotoxicity and Genotoxicity of Drinking Water Disinfection By-Products. <i>ACS Symposium Series</i> , 2000 , 16-27	0.4	5
25	Induction of forward mutation at the yg2 locus in maize by ethylnitrosourea. <i>Environmental Mutagenesis</i> , 1985 , 7, 155-62		5
24	Fate and transport of estrogenic compounds in an integrated swine manure treatment systems combining algal-bacterial bioreactor and hydrothermal processes for improved water quality. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 16800-16813	5.1	4
23	Analysis of the genotoxicity of municipal sewage sludge extracts with sister chromatid exchange in cultured human lymphocytes. <i>Water, Air, and Soil Pollution</i> , 1988 , 42, 117	2.6	4

22	Iodoacetic acid affects estrous cyclicity, ovarian gene expression, and hormone levels in mice□ <i>Biology of Reproduction</i> , 2021 , 105, 1030-1042	3.9	4
21	Plant genetic assays and their use in studies on environmental mutagenesis in developing countries. <i>Basic Life Sciences</i> , 1985 , 34, 249-68		4
20	Cytotoxicity analysis of water disinfection byproducts with a micro-pillar microfluidic device. <i>Lab on A Chip</i> , 2012 , 12, 3891-900	7.2	3
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