

Jennifer L Freeman

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.

79
papers

5,779
citations

27
h-index

76
g-index

85
ext. papers

6,740
ext. citations

5.6
avg, IF

5.51
L-index

#	Paper	IF	Citations
79	Lead exposure induces dysregulation of constitutive heterochromatin hallmarks in live cells.. <i>Current Research in Toxicology</i> , 2022 , 3, 100061	2.7	
78	Toxicity testing of natural products using the zebrafish model system 2022 , 531-554		
77	Characterization of Genomic and Epigenomic Biomarkers of Nanoparticle Toxicity Using the Zebrafish Model System 2022 , 449-475		
76	The Role of Dynamic Epigenetic Changes in Modulating Homeostasis after Exposure to Low-dose Environmental Chemicals 2022 , 213-228		
75	Atrazine exposure in zebrafish induces aberrant genome-wide methylation.. <i>Neurotoxicology and Teratology</i> , 2022 , 107091	3.9	0
74	Developmental atrazine exposure in zebrafish produces the same major metabolites as mammals along with altered behavioral outcomes. <i>Neurotoxicology and Teratology</i> , 2021 , 85, 106971	3.9	7
73	Comparison of zebrafish in vitro and in vivo developmental toxicity assessments of perfluoroalkyl acids (PFAAs). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2021 , 84, 125-136	3.2	8
72	Embryonic atrazine exposure and later in life behavioral and brain transcriptomic, epigenetic, and pathological alterations in adult male zebrafish. <i>Cell Biology and Toxicology</i> , 2021 , 37, 421-439	7.4	10
71	Low dose lead exposure induces alterations on heterochromatin hallmarks persisting through SH-SY5Y cell differentiation. <i>Chemosphere</i> , 2021 , 264, 128486	8.4	8
70	Developmental neurotoxicity of the herbicide atrazine 2021 , 219-228		
69	Pre-differentiation exposure to low-dose of atrazine results in persistent phenotypic changes in human neuronal cell lines. <i>Environmental Pollution</i> , 2021 , 271, 116379	9.3	8
68	Mechanisms of Neurotoxicity Associated with Exposure to the Herbicide Atrazine. <i>Toxics</i> , 2021 , 9,	4.7	2
67	Exposure to the Heavy-Metal Lead Induces DNA Copy Number Alterations in Zebrafish Cells. <i>Chemical Research in Toxicology</i> , 2020 , 33, 2047-2053	4	1
66	Exposure route affects the distribution and toxicity of polystyrene nanoplastics in zebrafish. <i>Science of the Total Environment</i> , 2020 , 724, 138065	10.2	25
65	Developmental toxicity of trichloroethylene in zebrafish (Danio rerio). <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 728-739	4.3	8
64	Profiling epigenetic changes in human cell line induced by atrazine exposure. <i>Environmental Pollution</i> , 2020 , 258, 113712	9.3	12
63	Chemical and Genetic Zebrafish Models to Define Mechanisms of and Treatments for Dopaminergic Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10

62	Use of Zebrafish in Drug Discovery Toxicology. <i>Chemical Research in Toxicology</i> , 2020 , 33, 95-118	4	145
61	Zebrafish as an integrative vertebrate model to identify miRNA mechanisms regulating toxicity. <i>Toxicology Reports</i> , 2020 , 7, 559-570	4.8	16
60	Zebrafish as an Emerging Model for Bioassay-Guided Natural Product Drug Discovery for Neurological Disorders. <i>Medicines (Basel, Switzerland)</i> , 2019 , 6,	4.1	21
59	Zebrafish as a Tool to Assess Developmental Neurotoxicity. <i>Neuromethods</i> , 2019 , 169-193	0.4	1
58	Letter to the Editor. <i>Birth Defects Research</i> , 2019 , 111, 1234-1236	2.9	3
57	Making Waves: New Developments in Toxicology With the Zebrafish. <i>Toxicological Sciences</i> , 2018 , 163, 5-12	4.4	95
56	MicroRNA-223 Suppresses the Canonical NF- κ B Pathway in Basal Keratinocytes to Dampen Neutrophilic Inflammation. <i>Cell Reports</i> , 2018 , 22, 1810-1823	10.6	65
55	Embryonic exposure to an aqueous coal dust extract results in gene expression alterations associated with the development and function of connective tissue and the hematological system, immunological and inflammatory disease, and cancer in zebrafish. <i>Metalomics</i> , 2018 , 10, 463-473	4.5	7
54	An embryonic 100 μ g/L lead exposure results in sex-specific expression changes in genes associated with the neurological system in female or cancer in male adult zebrafish brains. <i>Neurotoxicology and Teratology</i> , 2018 , 65, 60-69	3.9	5
53	Embryonic atrazine exposure elicits proteomic, behavioral, and brain abnormalities with developmental time specific gene expression signatures. <i>Journal of Proteomics</i> , 2018 , 186, 71-82	3.9	20
52	Microarray, IPA and GSEA Analysis in Mice Models. <i>Bio-protocol</i> , 2018 , 8,	0.9	1
51	Comparative Assessment of Tungsten Toxicity in the Absence or Presence of Other Metals. <i>Toxics</i> , 2018 , 6,	4.7	11
50	Atrazine exposure elicits copy number alterations in the zebrafish genome. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017 , 194, 1-8	3.2	7
49	Lead (Pb) exposure reduces global DNA methylation level by non-competitive inhibition and alteration of dnmt expression. <i>Metalomics</i> , 2017 , 9, 149-160	4.5	47
48	Toxicogenomic Evaluation Using the Zebrafish Model System 2017 , 1-19		2
47	Comparative analytical and toxicological assessment of methylcyclohexanemethanol (MCHM) mixtures associated with the Elk River chemical spill. <i>Chemosphere</i> , 2017 , 188, 599-607	8.4	9
46	Atrazine exposure decreases the activity of DNMTs, global DNA methylation levels, and dnmt expression. <i>Food and Chemical Toxicology</i> , 2017 , 109, 727-734	4.7	34
45	Real-Time Multiplex Kinase Phosphorylation Sensors in Living Cells. <i>ACS Sensors</i> , 2017 , 2, 1225-1230	9.2	8

44	Design and Synthesis of Chlorinated and Fluorinated 7-Azaindenoisoquinolines as Potent Cytotoxic Anticancer Agents That Inhibit Topoisomerase I. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 5364-5376	8.3	25
43	Sex-specific characterization and evaluation of the Alzheimer's disease genetic risk factor sorl1 in zebrafish during aging and in the adult brain following a 100 ppb embryonic lead exposure. <i>Journal of Applied Toxicology</i> , 2017 , 37, 400-407	4.1	9
42	Notch activation drives adipocyte dedifferentiation and tumorigenic transformation in mice. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2019-37	16.6	46
41	Embryonic Atrazine Exposure Elicits Alterations in Genes Associated with Neuroendocrine Function in Adult Male Zebrafish. <i>Toxicological Sciences</i> , 2016 , 153, 149-64	4.4	23
40	Embryonic exposure to 10 µg L(-1) lead results in female-specific expression changes in genes associated with nervous system development and function and Alzheimer's disease in aged adult zebrafish brain. <i>Metallomics</i> , 2016 , 8, 589-96	4.5	18
39	Mitochondrial Dysfunction, Disruption of F-Actin Polymerization, and Transcriptomic Alterations in Zebrafish Larvae Exposed to Trichloroethylene. <i>Chemical Research in Toxicology</i> , 2016 , 29, 169-79	4	18
38	Regulatory landscape and clinical implication of MBD3 in human malignant glioma. <i>Oncotarget</i> , 2016 , 7, 81698-81714	3.3	5
37	Toxicogenomics to Evaluate Endocrine Disrupting Effects of Environmental Chemicals Using the Zebrafish Model. <i>Current Genomics</i> , 2016 , 17, 515-527	2.6	33
36	Stage-specific effects of Notch activation during skeletal myogenesis. <i>ELife</i> , 2016 , 5,	8.9	44
35	Zebrafish Get Connected: Investigating Neurotransmission Targets and Alterations in Chemical Toxicity. <i>Toxics</i> , 2016 , 4,	4.7	68
34	An embryonic atrazine exposure results in reproductive dysfunction in adult zebrafish and morphological alterations in their offspring. <i>Scientific Reports</i> , 2016 , 6, 21337	4.9	54
33	Alzheimer's disease risk genes in wild-type adult zebrafish exhibit gender-specific expression changes during aging. <i>Neurogenetics</i> , 2016 , 17, 197-9	3	7
32	Embryonic atrazine exposure alters zebrafish and human miRNAs associated with angiogenesis, cancer, and neurodevelopment. <i>Food and Chemical Toxicology</i> , 2016 , 98, 25-33	4.7	41
31	Developmental origins of neurotransmitter and transcriptome alterations in adult female zebrafish exposed to atrazine during embryogenesis. <i>Toxicology</i> , 2015 , 333, 156-167	4.4	43
30	Directional and color preference in adult zebrafish: Implications in behavioral and learning assays in neurotoxicology studies. <i>Journal of Applied Toxicology</i> , 2015 , 35, 1502-10	4.1	44
29	Atrazine Exposure and Reproductive Dysfunction through the Hypothalamus-Pituitary-Gonadal (HPG) Axis. <i>Toxics</i> , 2015 , 3, 414-450	4.7	37
28	Guiding Patient Decision-Making Regarding Bone Marrow Donation. <i>Journal for Nurse Practitioners</i> , 2014 , 10, 113-119	0.6	
27	Zebrafish as a model for investigating developmental lead (Pb) neurotoxicity as a risk factor in adult neurodegenerative disease: a mini-review. <i>NeuroToxicology</i> , 2014 , 43, 57-64	4.4	73

26	Novel dose-dependent alterations in excitatory GABA during embryonic development associated with lead (Pb) neurotoxicity. <i>Toxicology Letters</i> , 2014 , 229, 1-8	4.4	45
25	Chemical Exposure Generates DNA Copy Number Variants and Impacts Gene Expression. <i>Advances in Toxicology</i> , 2014 , 2014, 1-13		7
24	Zebrafish as a Model for Developmental Neurotoxicity Assessment: The Application of the Zebrafish in Defining the Effects of Arsenic, Methylmercury, or Lead on Early Neurodevelopment. <i>Toxics</i> , 2014 , 2, 464-495	4.7	18
23	Embryonic ionizing radiation exposure results in expression alterations of genes associated with cardiovascular and neurological development, function, and disease and modified cardiovascular function in zebrafish. <i>Frontiers in Genetics</i> , 2014 , 5, 268	4.5	23
22	Developmental reelin expression and time point-specific alterations from lead exposure in zebrafish. <i>Neurotoxicology and Teratology</i> , 2013 , 38, 53-60	3.9	23
21	Transcriptome alterations following developmental atrazine exposure in zebrafish are associated with disruption of neuroendocrine and reproductive system function, cell cycle, and carcinogenesis. <i>Toxicological Sciences</i> , 2013 , 132, 458-66	4.4	73
20	Fishing for microRNAs in Toxicology 2013 , 49-75		1
19	Molecular Epigenetic Changes Caused by Environmental Pollutants 2012 , 73-109		1
18	Extensive genetic diversity and substructuring among zebrafish strains revealed through copy number variant analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 529-34	11.5	87
17	Decreased axonal density and altered expression profiles of axonal guidance genes underlying lead (Pb) neurodevelopmental toxicity at early embryonic stages in the zebrafish. <i>Neurotoxicology and Teratology</i> , 2011 , 33, 715-20	3.9	43
16	Molecular cytogenetic methodologies and a BAC probe panel resource for genomic analyses in the zebrafish. <i>Methods in Cell Biology</i> , 2011 , 104, 237-57	1.8	5
15	Global gene expression analysis reveals dynamic and developmental stage-dependent enrichment of lead-induced neurological gene alterations. <i>Environmental Health Perspectives</i> , 2011 , 119, 615-21	8.4	53
14	Cancer cytogenetics in the zebrafish. <i>Zebrafish</i> , 2009 , 6, 355-60	2	9
13	Construction and application of a zebrafish array comparative genomic hybridization platform. <i>Genes Chromosomes and Cancer</i> , 2009 , 48, 155-70	5	20
12	RNA isolation from embryonic zebrafish and cDNA synthesis for gene expression analysis. <i>Journal of Visualized Experiments</i> , 2009 ,	1.6	55
11	Global gene expression analysis using a zebrafish oligonucleotide microarray platform. <i>Journal of Visualized Experiments</i> , 2009 ,	1.6	2
10	Evidence for a transposition event in a second NITR gene cluster in zebrafish. <i>Immunogenetics</i> , 2008 , 60, 257-65	3.2	22
9	Definition of the zebrafish genome using flow cytometry and cytogenetic mapping. <i>BMC Genomics</i> , 2007 , 8, 195	4.5	38

8	A mutation in separase causes genome instability and increased susceptibility to epithelial cancer. <i>Genes and Development</i> , 2007 , 21, 55-9	12.6	84
7	Copy number variation: new insights in genome diversity. <i>Genome Research</i> , 2006 , 16, 949-61	9.7	580
6	Aquatic herbicides and herbicide contaminants: In vitro cytotoxicity and cell-cycle analysis. <i>Environmental Toxicology</i> , 2006 , 21, 256-63	4.2	20
5	Global variation in copy number in the human genome. <i>Nature</i> , 2006 , 444, 444-54	50.4	3306
4	Differential metamorphosis alters the endocrine response in anuran larvae exposed to T3 and atrazine. <i>Aquatic Toxicology</i> , 2005 , 75, 263-76	5.1	30
3	Developmental impact of atrazine on metamorphosing <i>Xenopus laevis</i> as revealed by nuclear analysis and morphology. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1648-53	3.8	38
2	Metamorphosis in <i>Xenopus laevis</i> is not associated with large-scale nuclear DNA content variation. <i>Journal of Experimental Biology</i> , 2004 , 207, 4473-7	3	8
1	Integrated Analysis of Methylome and Transcriptome Following Developmental Atrazine Exposure in Zebrafish Reveals Aberrant Gene-Specific Methylation of Neuroendocrine and Reproductive Pathways		1