

Joshua A Harrill

List of Publications by Citations

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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.

33
papers

1,142
citations

18
h-index

33
g-index

34
ext. papers

1,423
ext. citations

4
avg, IF

4.45
L-index

#	Paper	IF	Citations
33	Neurobehavioral toxicology of pyrethroid insecticides in adult animals: a critical review. <i>Neurotoxicology and Teratology</i> , 2008 , 30, 55-78	3.9	211
32	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. <i>Toxicological Sciences</i> , 2019 , 169, 317-332	4.4	121
31	In vitro assessment of developmental neurotoxicity: use of microelectrode arrays to measure functional changes in neuronal network ontogeny. <i>Frontiers in Neuroengineering</i> , 2011 , 4, 1		88
30	Quantitative assessment of neurite outgrowth in human embryonic stem cell-derived hN2 cells using automated high-content image analysis. <i>NeuroToxicology</i> , 2010 , 31, 277-90	4.4	87
29	Use of high content image analysis to detect chemical-induced changes in synaptogenesis in vitro. <i>Toxicology in Vitro</i> , 2011 , 25, 368-87	3.6	85
28	Comparative sensitivity of human and rat neural cultures to chemical-induced inhibition of neurite outgrowth. <i>Toxicology and Applied Pharmacology</i> , 2011 , 256, 268-80	4.6	61
27	Comparison of chemical-induced changes in proliferation and apoptosis in human and mouse neuroprogenitor cells. <i>NeuroToxicology</i> , 2012 , 33, 1499-1510	4.4	59
26	Knockout of the aryl hydrocarbon receptor results in distinct hepatic and renal phenotypes in rats and mice. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 503-18	4.6	56
25	Use of high content image analyses to detect chemical-mediated effects on neurite sub-populations in primary rat cortical neurons. <i>NeuroToxicology</i> , 2013 , 34, 61-73	4.4	46
24	Testing for developmental neurotoxicity using a battery of in vitro assays for key cellular events in neurodevelopment. <i>Toxicology and Applied Pharmacology</i> , 2018 , 354, 24-39	4.6	39
23	Ontogeny of biochemical, morphological and functional parameters of synaptogenesis in primary cultures of rat hippocampal and cortical neurons. <i>Molecular Brain</i> , 2015 , 8, 10	4.5	32
22	Neurotrophic effects of leukemia inhibitory factor on neural cells derived from human embryonic stem cells. <i>Stem Cells</i> , 2012 , 30, 2387-99	5.8	30
21	Lineage-dependent effects of aryl hydrocarbon receptor agonists contribute to liver tumorigenesis. <i>Hepatology</i> , 2015 , 61, 548-60	11.2	26
20	Considerations for Strategic Use of High-Throughput Transcriptomics Chemical Screening Data in Regulatory Decisions. <i>Current Opinion in Toxicology</i> , 2019 , 15, 64-75	4.4	23
19	Quantitative assessment of neurite outgrowth in PC12 cells. <i>Methods in Molecular Biology</i> , 2011 , 758, 331-48	1.4	22
18	Bioactivity screening of environmental chemicals using imaging-based high-throughput phenotypic profiling. <i>Toxicology and Applied Pharmacology</i> , 2020 , 389, 114876	4.6	20
17	Vision of a near future: Bridging the human health-environment divide. Toward an integrated strategy to understand mechanisms across species for chemical safety assessment. <i>Toxicology in Vitro</i> , 2020 , 62, 104692	3.6	19

16	Aryl hydrocarbon receptor knockout rats are insensitive to the pathological effects of repeated oral exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Journal of Applied Toxicology</i> , 2016 , 36, 802-14	4.1	18
15	Transcriptional response of rat frontal cortex following acute in vivo exposure to the pyrethroid insecticides permethrin and deltamethrin. <i>BMC Genomics</i> , 2008 , 9, 546	4.5	17
14	High-Throughput Transcriptomics Platform for Screening Environmental Chemicals. <i>Toxicological Sciences</i> , 2021 , 181, 68-89	4.4	15
13	Immunological characterization of the aryl hydrocarbon receptor (AHR) knockout rat in the presence and absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). <i>Toxicology</i> , 2016 , 368-369, 172-182	4.4	14
12	Phenotypic Profiling of Reference Chemicals across Biologically Diverse Cell Types Using the Cell Painting Assay. <i>SLAS Discovery</i> , 2020 , 25, 755-769	3.4	12
11	Time and concentration dependent accumulation of [3H]-deltamethrin in <i>Xenopus laevis</i> oocytes. <i>Toxicology Letters</i> , 2005 , 157, 79-88	4.4	12
10	Media formulation influences chemical effects on neuronal growth and morphology. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015 , 51, 612-29	2.6	8
9	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 125, 105020	3.4	6
8	Integrating data from in vitro New Approach Methodologies for Developmental Neurotoxicity.. <i>Toxicological Sciences</i> , 2022 ,	4.4	4
7	Comparison of Approaches for Determining Bioactivity Hits from High-Dimensional Profiling Data. <i>SLAS Discovery</i> , 2021 , 26, 292-308	3.4	4
6	Human-Derived Neurons and Neural Progenitor Cells in High Content Imaging Applications. <i>Methods in Molecular Biology</i> , 2018 , 1683, 305-338	1.4	4
5	Comments on: Effect of prenatal exposure of deltamethrin on the ontogeny of xenobiotic metabolizing cytochrome P450s in the brain and liver of offsprings [Johri et al. <i>Toxicol Appl Pharmacol.</i> 214:279-289, 2006]. <i>Toxicology and Applied Pharmacology</i> , 2007 , 218, 96-7; author reply 98	4.6	2
4	Splice variant specific increase in Ca ²⁺ /calmodulin-dependent protein kinase 1-gamma mRNA expression in response to acute pyrethroid exposure. <i>Journal of Biochemical and Molecular Toxicology</i> , 2010 , 24, 174-86	3.4	1
3	Estimating Hepatotoxic Doses Using High-Content Imaging in Primary Hepatocytes. <i>Toxicological Sciences</i> , 2021 , 183, 285-301	4.4	0
2	Combining phenotypic profiling and targeted RNA-Seq reveals linkages between transcriptional perturbations and chemical effects on cell morphology: Retinoic acid as an example.. <i>Toxicology and Applied Pharmacology</i> , 2022 , 116032	4.6	0
1	Optimization of Human Neural Progenitor Cells for an Imaging-Based High-Throughput Phenotypic Profiling Assay for Developmental Neurotoxicity Screening.. <i>Frontiers in Toxicology</i> , 2021 , 3, 803987	1.6	