

# Joshua A Harrill

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9248736/joshua-a-harrill-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Integrating data from in vitro New Approach Methodologies for Developmental Neurotoxicity.. <i>Toxicological Sciences</i> , <b>2022</b> ,	4.4	4
32	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> , <b>2022</b> , 116032	4.6	0
31	Estimating Hepatotoxic Doses Using High-Content Imaging in Primary Hepatocytes. <i>Toxicological Sciences</i> , <b>2021</b> , 183, 285-301	4.4	0
30	Comparison of Approaches for Determining Bioactivity Hits from High-Dimensional Profiling Data. <i>SLAS Discovery</i> , <b>2021</b> , 26, 292-308	3.4	4
29	High-Throughput Transcriptomics Platform for Screening Environmental Chemicals. <i>Toxicological Sciences</i> , <b>2021</b> , 181, 68-89	4.4	15
28	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. <i>Regulatory Toxicology and Pharmacology</i> , <b>2021</b> , 125, 105020	3.4	6
27	Optimization of Human Neural Progenitor Cells for an Imaging-Based High-Throughput Phenotypic Profiling Assay for Developmental Neurotoxicity Screening.. <i>Frontiers in Toxicology</i> , <b>2021</b> , 3, 803987	1.6	
26	Phenotypic Profiling of Reference Chemicals across Biologically Diverse Cell Types Using the Cell Painting Assay. <i>SLAS Discovery</i> , <b>2020</b> , 25, 755-769	3.4	12
25	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> , <b>2020</b> , 62, 104692	3.6	19
24	Bioactivity screening of environmental chemicals using imaging-based high-throughput phenotypic profiling. <i>Toxicology and Applied Pharmacology</i> , <b>2020</b> , 389, 114876	4.6	20
23	Considerations for Strategic Use of High-Throughput Transcriptomics Chemical Screening Data in Regulatory Decisions. <i>Current Opinion in Toxicology</i> , <b>2019</b> , 15, 64-75	4.4	23
22	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 317-332	4.4	121
21	Testing for developmental neurotoxicity using a battery of in vitro assays for key cellular events in neurodevelopment. <i>Toxicology and Applied Pharmacology</i> , <b>2018</b> , 354, 24-39	4.6	39
20	Human-Derived Neurons and Neural Progenitor Cells in High Content Imaging Applications. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1683, 305-338	1.4	4
19	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> , <b>2016</b> , 368-369, 172-182	4.4	14
18	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> , <b>2016</b> , 36, 802-14	4.1	18
17	Ontogeny of biochemical, morphological and functional parameters of synaptogenesis in primary cultures of rat hippocampal and cortical neurons. <i>Molecular Brain</i> , <b>2015</b> , 8, 10	4.5	32

16	Media formulation influences chemical effects on neuronal growth and morphology. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2015</b> , 51, 612-29	2.6	8
15	Lineage-dependent effects of aryl hydrocarbon receptor agonists contribute to liver tumorigenesis. <i>Hepatology</i> , <b>2015</b> , 61, 548-60	11.2	26
14	Knockout of the aryl hydrocarbon receptor results in distinct hepatic and renal phenotypes in rats and mice. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 272, 503-18	4.6	56
13	Use of high content image analyses to detect chemical-mediated effects on neurite sub-populations in primary rat cortical neurons. <i>NeuroToxicology</i> , <b>2013</b> , 34, 61-73	4.4	46
12	Comparison of chemical-induced changes in proliferation and apoptosis in human and mouse neuroprogenitor cells. <i>NeuroToxicology</i> , <b>2012</b> , 33, 1499-1510	4.4	59
11	Neurotrophic effects of leukemia inhibitory factor on neural cells derived from human embryonic stem cells. <i>Stem Cells</i> , <b>2012</b> , 30, 2387-99	5.8	30
10	Use of high content image analysis to detect chemical-induced changes in synaptogenesis in vitro. <i>Toxicology in Vitro</i> , <b>2011</b> , 25, 368-87	3.6	85
9	In vitro assessment of developmental neurotoxicity: use of microelectrode arrays to measure functional changes in neuronal network ontogeny. <i>Frontiers in Neuroengineering</i> , <b>2011</b> , 4, 1		88
8	Comparative sensitivity of human and rat neural cultures to chemical-induced inhibition of neurite outgrowth. <i>Toxicology and Applied Pharmacology</i> , <b>2011</b> , 256, 268-80	4.6	61
7	Quantitative assessment of neurite outgrowth in PC12 cells. <i>Methods in Molecular Biology</i> , <b>2011</b> , 758, 331-48	1.4	22
6	Quantitative assessment of neurite outgrowth in human embryonic stem cell-derived hN2 cells using automated high-content image analysis. <i>NeuroToxicology</i> , <b>2010</b> , 31, 277-90	4.4	87
5	Splice variant specific increase in Ca <sup>2+</sup> /calmodulin-dependent protein kinase 1-gamma mRNA expression in response to acute pyrethroid exposure. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2010</b> , 24, 174-86	3.4	1
4	Transcriptional response of rat frontal cortex following acute in vivo exposure to the pyrethroid insecticides permethrin and deltamethrin. <i>BMC Genomics</i> , <b>2008</b> , 9, 546	4.5	17
3	Neurobehavioral toxicology of pyrethroid insecticides in adult animals: a critical review. <i>Neurotoxicology and Teratology</i> , <b>2008</b> , 30, 55-78	3.9	211
2	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> , <b>2007</b> , 218, 96-7; author reply 98	4.6	2
1	Time and concentration dependent accumulation of [3H]-deltamethrin in <i>Xenopus laevis</i> oocytes. <i>Toxicology Letters</i> , <b>2005</b> , 157, 79-88	4.4	12