

Maurice Whelan

List of Publications by Year in descending order

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29
papers

2,684
citations

304743

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h-index

477307

29
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docs citations

29
times ranked

3178
citing authors

#	ARTICLE	IF	CITATIONS
1	Adverse Outcome Pathway (AOP) Development I: Strategies and Principles. <i>Toxicological Sciences</i> , 2014, 142, 312-320.	3.1	521
2	Systems Toxicology: From Basic Research to Risk Assessment. <i>Chemical Research in Toxicology</i> , 2014, 27, 314-329.	3.3	287
3	Adverse Outcome Pathway Development II: Best Practices. <i>Toxicological Sciences</i> , 2014, 142, 321-330.	3.1	207
4	How Adverse Outcome Pathways Can Aid the Development and Use of Computational Prediction Models for Regulatory Toxicology. <i>Toxicological Sciences</i> , 2017, 155, 326-336.	3.1	125
5	Application of micro-electrode arrays (MEAs) as an emerging technology for developmental neurotoxicity: Evaluation of domoic acid-induced effects in primary cultures of rat cortical neurons. <i>NeuroToxicology</i> , 2011, 32, 158-168.	3.0	123
6	Perspectives on validation of high-throughput assays supporting 21st century toxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2013, 30, 51-66.	1.5	118
7	Development of an Adverse Outcome Pathway From Drug-Mediated Bile Salt Export Pump Inhibition to Cholestatic Liver Injury. <i>Toxicological Sciences</i> , 2013, 136, 97-106.	3.1	111
8	Integrative Chemicalâ€“Biological Read-Across Approach for Chemical Hazard Classification. <i>Chemical Research in Toxicology</i> , 2013, 26, 1199-1208.	3.3	107
9	FutureTox II: In vitro Data and In Silico Models for Predictive Toxicology. <i>Toxicological Sciences</i> , 2015, 143, 256-267.	3.1	107
10	Adverse outcome pathways: a concise introduction for toxicologists. <i>Archives of Toxicology</i> , 2017, 91, 3697-3707.	4.2	103
11	Putative adverse outcome pathways relevant to neurotoxicity. <i>Critical Reviews in Toxicology</i> , 2015, 45, 83-91.	3.9	92
12	Adverse Outcome Pathways can drive nonâ€“animal approaches for safety assessment. <i>Journal of Applied Toxicology</i> , 2015, 35, 971-975.	2.8	82
13	The Adverse Outcome Pathway approach in nanotoxicology. <i>Computational Toxicology</i> , 2017, 1, 3-11.	3.3	82
14	The Next Generation of Risk Assessment Multi-Year Studyâ€“Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , 2016, 124, 1671-1682.	6.0	74
15	A multi-laboratory evaluation of microelectrode array-based measurements of neural network activity for acute neurotoxicity testing. <i>NeuroToxicology</i> , 2017, 60, 280-292.	3.0	72
16	Electrophysiological recording of re-aggregating brain cell cultures on multi-electrode arrays to detect acute neurotoxic effects. <i>NeuroToxicology</i> , 2007, 28, 1136-1146.	3.0	69
17	Advancing the adverse outcome pathway frameworkâ€“An international horizon scanning approach. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1411-1421.	4.3	58
18	Feasibility Assessment of Micro-Electrode Chip Assay as a Method of Detecting Neurotoxicity in vitro. <i>Frontiers in Neuroengineering</i> , 2011, 4, 6.	4.8	57

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19	Lessons from Toxicology: Developing a 21st-Century Paradigm for Medical Research. Environmental Health Perspectives, 2015, 123, A268-72.	6.0	57
20	Harvesting the promise of AOPs: An assessment and recommendations. Science of the Total Environment, 2018, 628-629, 1542-1556.	8.0	52
21	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. Regulatory Toxicology and Pharmacology, 2021, 125, 105020.	2.7	46
22	Adverse outcome pathway development from protein alkylation to liver fibrosis. Archives of Toxicology, 2017, 91, 1523-1543.	4.2	41
23	Adverse Outcome Pathway-based Screening Strategies for an Animal-free Safety Assessment of Chemicals. ATLA Alternatives To Laboratory Animals, 2013, 41, 461-471.	1.0	22
24	Adverse outcome pathways: hype or hope?. Archives of Toxicology, 2014, 88, 1-2.	4.2	19
25	Extrapolating from acute to chronic toxicity in vitro. Toxicology in Vitro, 2021, 76, 105206.	2.4	18
26	Bringing together scientific disciplines for collaborative undertakings: a vision for advancing the adverse outcome pathway framework. International Journal of Radiation Biology, 2021, 97, 431-441.	1.8	15
27	The virtual cell based assay: Current status and future perspectives. Toxicology in Vitro, 2017, 45, 258-267.	2.4	10
28	Moving Beyond Prioritization Toward True <i>In Vitro</i> Safety Assessment. Applied in Vitro Toxicology, 2016, 2, 67-73.	1.1	5
29	Evolving the Principles and Practice of Validation for New Alternative Approaches to Toxicity Testing. Advances in Experimental Medicine and Biology, 2016, 856, 387-399.	1.6	4