

# Maurice Whelan

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

2,684  
citations

304743

22  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3178  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Bringing together scientific disciplines for collaborative undertakings: a vision for advancing the adverse outcome pathway framework. <i>International Journal of Radiation Biology</i> , 2021, 97, 431-441. | 1.8 | 15        |
| 2  | Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 125, 105020.                                | 2.7 | 46        |
| 3  | Extrapolating from acute to chronic toxicity in vitro. <i>Toxicology in Vitro</i> , 2021, 76, 105206.   | 2.4 | 18        |
| 4  | Harvesting the promise of AOPs: An assessment and recommendations. <i>Science of the Total Environment</i> , 2018, 628-629, 1542-1556.  | 8.0 | 52        |
| 5  | 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        |
| 6  | The virtual cell based assay: Current status and future perspectives. <i>Toxicology in Vitro</i> , 2017, 45, 258-267.   | 2.4 | 10        |
| 7  | Advancing the adverse outcome pathway framework—An international horizon scanning approach. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1411-1421.  | 4.3 | 58        |
| 8  | 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       |
| 9  | Adverse outcome pathways: a concise introduction for toxicologists. <i>Archives of Toxicology</i> , 2017, 91, 3697-3707.  | 4.2 | 103       |
| 10 | Adverse outcome pathway development from protein alkylation to liver fibrosis. <i>Archives of Toxicology</i> , 2017, 91, 1523-1543.   | 4.2 | 41        |
| 11 | The Adverse Outcome Pathway approach in nanotoxicology. <i>Computational Toxicology</i> , 2017, 1, 3-11.  | 3.3 | 82        |
| 12 | The Next Generation of Risk Assessment Multi-Year Study—Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , 2016, 124, 1671-1682.      | 6.0 | 74        |
| 13 | Moving Beyond Prioritization Toward True <i>In Vitro</i> Safety Assessment. <i>Applied in Vitro Toxicology</i> , 2016, 2, 67-73.  | 1.1 | 5         |
| 14 | Evolving the Principles and Practice of Validation for New Alternative Approaches to Toxicity Testing. <i>Advances in Experimental Medicine and Biology</i> , 2016, 856, 387-399.                             | 1.6 | 4         |
| 15 | Adverse Outcome Pathways can drive non-animal approaches for safety assessment. <i>Journal of Applied Toxicology</i> , 2015, 35, 971-975.   | 2.8 | 82        |
| 16 | Lessons from Toxicology: Developing a 21st-Century Paradigm for Medical Research. <i>Environmental Health Perspectives</i> , 2015, 123, A268-72.  | 6.0 | 57        |
| 17 | FutureTox II: In vitro Data and In Silico Models for Predictive Toxicology. <i>Toxicological Sciences</i> , 2015, 143, 256-267.   | 3.1 | 107       |
| 18 | Putative adverse outcome pathways relevant to neurotoxicity. <i>Critical Reviews in Toxicology</i> , 2015, 45, 83-91.   | 3.9 | 92        |

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|----|--|-----|-----------|
| 19 | Adverse Outcome Pathway Development II: Best Practices. <i>Toxicological Sciences</i> , 2014, 142, 321-330.  | 3.1 | 207       |
| 20 | Adverse Outcome Pathway (AOP) Development I: Strategies and Principles. <i>Toxicological Sciences</i> , 2014, 142, 312-320.  | 3.1 | 521       |
| 21 | Adverse outcome pathways: hype or hope?. <i>Archives of Toxicology</i> , 2014, 88, 1-2.  | 4.2 | 19        |
| 22 | Systems Toxicology: From Basic Research to Risk Assessment. <i>Chemical Research in Toxicology</i> , 2014, 27, 314-329.  | 3.3 | 287       |
| 23 | Integrative Chemical-Biological Read-Across Approach for Chemical Hazard Classification. <i>Chemical Research in Toxicology</i> , 2013, 26, 1199-1208.   | 3.3 | 107       |
| 24 | 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       |
| 25 | Adverse Outcome Pathway-based Screening Strategies for an Animal-free Safety Assessment of Chemicals. <i>ATLA Alternatives To Laboratory Animals</i> , 2013, 41, 461-471.  | 1.0 | 22        |
| 26 | 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       |
| 27 | 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       |
| 28 | 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        |
| 29 | 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        |