

Michael W Hornung

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.

26

papers

2,533

citations

16

h-index

28

g-index

28

ext. papers

2,886

ext. citations

4

avg, IF

4.06

L-index

#	Paper	IF	Citations
26	Xenopus laevis and human type 3 iodothyronine deiodinase enzyme cross-species sensitivity to inhibition by ToxCast chemicals. <i>Toxicology in Vitro</i> , 2021 , 73, 105141	3.6	1
25	In vitro screening for chemical inhibition of the iodide recycling enzyme, iodothyronine deiodinase. <i>Toxicology in Vitro</i> , 2021 , 71, 105073	3.6	5
24	Targeted Pathway-based In Vivo Testing Using Thyroperoxidase Inhibition to Evaluate Plasma Thyroxine as a Surrogate Metric of Metamorphic Success in Model Amphibian Xenopus laevis. <i>Toxicological Sciences</i> , 2020 , 175, 236-250	4.4	5
23	Metabolism of cyclic phenones in rainbow trout assays. <i>Xenobiotica</i> , 2020 , 50, 192-208	2	3
22	Evaluating Chemicals for Thyroid Disruption: Opportunities and Challenges with in Vitro Testing and Adverse Outcome Pathway Approaches. <i>Environmental Health Perspectives</i> , 2019 , 127, 95001	8.4	44
21	Screening the ToxCast Phase 1, Phase 2, and e1k Chemical Libraries for Inhibitors of Iodothyronine Deiodinases. <i>Toxicological Sciences</i> , 2019 , 168, 430-442	4.4	27
20	Phenone, Hydroxybenzophenone, and Branched Phenone Estrogen Receptor Binding and Vitellogenin Agonism in Rainbow Trout In Vitro Models. <i>Applied in Vitro Toxicology</i> , 2019 , 5, 62-74	1.3	3
19	Screening the ToxCast Phase 1 Chemical Library for Inhibition of Deiodinase Type 1 Activity. <i>Toxicological Sciences</i> , 2018 , 162, 570-581	4.4	25
18	Evaluating Iodide Recycling Inhibition as a Novel Molecular Initiating Event for Thyroid Axis Disruption in Amphibians. <i>Toxicological Sciences</i> , 2018 , 166, 318-331	4.4	9
17	Avoiding False Positives and Optimizing Identification of True Negatives in Estrogen Receptor Binding and Agonist/Antagonist Assays. <i>Applied in Vitro Toxicology</i> , 2017 , 3, 163-181	1.3	6
16	Tiered High-Throughput Screening Approach to Identify Thyroperoxidase Inhibitors Within the ToxCast Phase I and II Chemical Libraries. <i>Toxicological Sciences</i> , 2016 , 151, 160-80	4.4	67
15	Evaluation of the scientific underpinnings for identifying estrogenic chemicals in nonmammalian taxa using mammalian test systems. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2806-2816	3.8	26
14	In Vitro, Ex Vivo, and In Vivo Determination of Thyroid Hormone Modulating Activity of Benzothiazoles. <i>Toxicological Sciences</i> , 2015 , 146, 254-64	4.4	39
13	Development of a thyroperoxidase inhibition assay for high-throughput screening. <i>Chemical Research in Toxicology</i> , 2014 , 27, 387-99	4	52
12	Inhibition of the thyroid hormone pathway in Xenopus laevis by 2-mercaptobenzothiazole. <i>Aquatic Toxicology</i> , 2013 , 126, 128-36	5.1	29
11	Cross-species analysis of thyroperoxidase inhibition by xenobiotics demonstrates conservation of response between pig and rat. <i>Toxicology</i> , 2013 , 312, 97-107	4.4	26
10	Inhibition of thyroid hormone release from cultured amphibian thyroid glands by methimazole, 6-propylthiouracil, and perchlorate. <i>Toxicological Sciences</i> , 2010 , 118, 42-51	4.4	22

9	Early temporal effects of three thyroid hormone synthesis inhibitors in <i>Xenopus laevis</i> . <i>Aquatic Toxicology</i> , 2010 , 98, 44-50	5.1	39
8	Adverse outcome pathways: a conceptual framework to support ecotoxicology research and risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 730-41	3.8	1628
7	Tissue distribution and metabolism of benzo[a]pyrene in embryonic and larval medaka (<i>Oryzias latipes</i>). <i>Toxicological Sciences</i> , 2007 , 100, 393-405	4.4	32
6	Mechanistic basis for estrogenic effects in fathead minnow (<i>Pimephales promelas</i>) following exposure to the androgen 17alpha-methyltestosterone: conversion of 17alpha-methyltestosterone to 17alpha-methylestradiol. <i>Aquatic Toxicology</i> , 2004 , 66, 15-23	5.1	82
5	Use of multi-photon laser-scanning microscopy to describe the distribution of xenobiotic chemicals in fish early life stages. <i>Aquatic Toxicology</i> , 2004 , 67, 1-11	5.1	16
4	Induction of an estrogen-responsive reporter gene in rainbow trout hepatoma cells (RTH 149) at 11 or 18°C. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 866-871	3.8	11
3	Effects of the androgenic growth promoter 17- β -trenbolone on fecundity and reproductive endocrinology of the fathead minnow. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 1350-1360	3.8	325
2	Effects of the androgenic growth promoter 17- β -trenbolone on fecundity and reproductive endocrinology of the fathead minnow 2003 , 22, 1350		10
1	Induction of an estrogen-responsive reporter gene in rainbow trout hepatoma cells (RTH 149) at 11 or 18 degrees C. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 866-71	3.8	