Michael W Hornung

List of Publications by Citations

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	Adverse outcome pathways: a conceptual framework to support ecotoxicology research and risk assessment. *Environmental Toxicology and Chemistry*, **2010**, 29, 730-41	3.8	1628
25	Effects of the androgenic growth promoter 17-Ξtrenbolone on fecundity and reproductive endocrinology of the fathead minnow. *Environmental Toxicology and Chemistry*, **2003**, 22, 1350-1360	3.8	325
24	Mechanistic basis for estrogenic effects in fathead minnow (Pimephales promelas) following exposure to the androgen 17alpha-methyltestosterone: conversion of 17alpha-methyltestosterone to 17alpha-methylestradiol. *Aquatic Toxicology*, **2004**, 66, 15-23	5.1	82
23	Tiered High-Throughput Screening Approach to Identify Thyroperoxidase Inhibitors Within the ToxCast Phase I and II Chemical Libraries. *Toxicological Sciences*, **2016**, 151, 160-80	4.4	67
22	Development of a thyroperoxidase inhibition assay for high-throughput screening. *Chemical Research in Toxicology*, **2014**, 27, 387-99	4	52
21	Evaluating Chemicals for Thyroid Disruption: Opportunities and Challenges with in Vitro Testing and Adverse Outcome Pathway Approaches. *Environmental Health Perspectives*, **2019**, 127, 95001	8.4	44
20	In Vitro, Ex Vivo, and In Vivo Determination of Thyroid Hormone Modulating Activity of Benzothiazoles. *Toxicological Sciences*, **2015**, 146, 254-64	4.4	39
19	Early temporal effects of three thyroid hormone synthesis inhibitors in Xenopus laevis. *Aquatic Toxicology*, **2010**, 98, 44-50	5.1	39
18	Tissue distribution and metabolism of benzo[a]pyrene in embryonic and larval medaka (Oryzias latipes). *Toxicological Sciences*, **2007**, 100, 393-405	4.4	32
17	Inhibition of the thyroid hormone pathway in Xenopus laevis by 2-mercaptobenzothiazole. *Aquatic Toxicology*, **2013**, 126, 128-36	5.1	29
16	Screening the ToxCast Phase 1, Phase 2, and e1k Chemical Libraries for Inhibitors of Iodothyronine Deiodinases. *Toxicological Sciences*, **2019**, 168, 430-442	4.4	27
15	Cross-species analysis of thyroperoxidase inhibition by xenobiotics demonstrates conservation of response between pig and rat. *Toxicology*, **2013**, 312, 97-107	4.4	26
14	Evaluation of the scientific underpinnings for identifying estrogenic chemicals in nonmammalian taxa using mammalian test systems. *Environmental Toxicology and Chemistry*, **2016**, 35, 2806-2816	3.8	26
13	Screening the ToxCast Phase 1 Chemical Library for Inhibition of Deiodinase Type 1 Activity. *Toxicological Sciences*, **2018**, 162, 570-581	4.4	25
12	Inhibition of thyroid hormone release from cultured amphibian thyroid glands by methimazole, 6-propylthiouracil, and perchlorate. *Toxicological Sciences*, **2010**, 118, 42-51	4.4	22
11	Use of multi-photon laser-scanning microscopy to describe the distribution of xenobiotic chemicals in fish early life stages. *Aquatic Toxicology*, **2004**, 67, 1-11	5.1	16
10	Induction of an estrogen-responsive reporter gene in rainbow trout hepatoma cells (RTH 149) at 11 or 18°C. *Environmental Toxicology and Chemistry*, **2003**, 22, 866-871	3.8	11

9	Effects of the androgenic growth promoter 17-Ŧrenbolone on fecundity and reproductive endocrinology of the fathead minnow **2003**, 22, 1350		10
8	Evaluating Iodide Recycling Inhibition as a Novel Molecular Initiating Event for Thyroid Axis Disruption in Amphibians. *Toxicological Sciences*, **2018**, 166, 318-331	4.4	9
7	Avoiding False Positives and Optimizing Identification of True Negatives in Estrogen Receptor Binding and Agonist/Antagonist Assays. *Applied in Vitro Toxicology*, **2017**, 3, 163-181	1.3	6
6	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. *Toxicological Sciences*, **2020**, 175, 236-250	4.4	5
5	In vitro screening for chemical inhibition of the iodide recycling enzyme, iodotyrosine deiodinase. *Toxicology in Vitro*, **2021**, 71, 105073	3.6	5
4	Phenone, Hydroxybenzophenone, and Branched Phenone Estrogen Receptor Binding and Vitellogenin Agonism in Rainbow Trout In Vitro Models. *Applied in Vitro Toxicology*, **2019**, 5, 62-74	1.3	3
3	Metabolism of cyclic phenones in rainbow trout assays. *Xenobiotica*, **2020**, 50, 192-208	2	3
2	Xenopus laevis and human type 3 iodothyronine deiodinase enzyme cross-species sensitivity to inhibition by ToxCast chemicals. *Toxicology in Vitro*, **2021**, 73, 105141	3.6	1
1	Induction of an estrogen-responsive reporter gene in rainbow trout hepatoma cells (RTH 149) at 11 or 18 degrees C. *Environmental Toxicology and Chemistry*, **2003**, 22, 866-71	3.8	