

Michael F Hughes

List of Publications by Citations

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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.

66

papers

4,550

citations

31

h-index

66

g-index

66

ext. papers

5,052

ext. citations

4.4

avg, IF

5.77

L-index

#	Paper	IF	Citations
66	Arsenic toxicity and potential mechanisms of action. <i>Toxicology Letters</i> , 2002 , 133, 1-16	4.4	1132
65	Arsenic exposure and toxicology: a historical perspective. <i>Toxicological Sciences</i> , 2011 , 123, 305-32	4.4	789
64	Biomarkers of exposure: a case study with inorganic arsenic. <i>Environmental Health Perspectives</i> , 2006 , 114, 1790-6	8.4	182
63	A concise review of the toxicity and carcinogenicity of dimethylarsinic acid. <i>Toxicology</i> , 2001 , 160, 227-36	4.4	171
62	In vitro metabolism of pyrethroid pesticides by rat and human hepatic microsomes and cytochrome p450 isoforms. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 221-8	4	147
61	Disruption of the arsenic (+3 oxidation state) methyltransferase gene in the mouse alters the phenotype for methylation of arsenic and affects distribution and retention of orally administered arsenate. <i>Chemical Research in Toxicology</i> , 2009 , 22, 1713-20	4	131
60	Accumulation and metabolism of arsenic in mice after repeated oral administration of arsenate. <i>Toxicology and Applied Pharmacology</i> , 2003 , 191, 202-10	4.6	127
59	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. <i>Toxicological Sciences</i> , 2019 , 169, 317-332	4.4	121
58	Relative bioavailability and bioaccessibility and speciation of arsenic in contaminated soils. <i>Environmental Health Perspectives</i> , 2011 , 119, 1629-34	8.4	116
57	Identification of rat and human cytochrome p450 isoforms and a rat serum esterase that metabolize the pyrethroid insecticides deltamethrin and esfenvalerate. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 1664-71	4	107
56	The use of biomonitoring data in exposure and human health risk assessment: benzene case study. <i>Critical Reviews in Toxicology</i> , 2013 , 43, 119-53	5.7	89
55	Species differences in the in vitro metabolism of deltamethrin and esfenvalerate: differential oxidative and hydrolytic metabolism by humans and rats. <i>Drug Metabolism and Disposition</i> , 2006 , 34, 1764-71	4	86
54	Superoxide and peroxy radical generation from the reduction of polyunsaturated fatty acid hydroperoxides by soybean lipoxygenase. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 290, 153-9	4.1	70
53	Comprehensive analysis of arsenic metabolites by pH-specific hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1460-1467	3.7	66
52	Physiologically based pharmacokinetic modeling of deltamethrin: development of a rat and human diffusion-limited model. <i>Toxicological Sciences</i> , 2010 , 115, 330-43	4.4	65
51	Evaluating In Vitro-In Vivo Extrapolation of Toxicokinetics. <i>Toxicological Sciences</i> , 2018 , 163, 152-169	4.4	63
50	Dose-dependent disposition of sodium arsenate in mice following acute oral exposure. <i>Fundamental and Applied Toxicology</i> , 1994 , 22, 80-9		57

49	Liberation and analysis of protein-bound arsenicals. <i>Biomedical Applications</i> , 1996 , 677, 161-6		56
48	A pharmacokinetic model of cis- and trans-permethrin disposition in rats and humans with aggregate exposure application. <i>Toxicological Sciences</i> , 2012 , 130, 33-47	4.4	54
47	Arsenic (+3 oxidation state) methyltransferase genotype affects steady-state distribution and clearance of arsenic in arsenate-treated mice. <i>Toxicology and Applied Pharmacology</i> , 2010 , 249, 217-23	4.6	54
46	Correlation of tissue concentrations of the pyrethroid bifenthrin with neurotoxicity in the rat. <i>Toxicology</i> , 2011 , 290, 1-6	4.4	49
45	Epoxidation of 7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene via a hydroperoxide-dependent mechanism catalyzed by lipoxygenases. <i>Carcinogenesis</i> , 1989 , 10, 2075-80	4.6	48
44	In vitro dermal absorption of flame retardant chemicals. <i>Food and Chemical Toxicology</i> , 2001 , 39, 1263-70	4.7	45
43	Environmentally relevant mixtures in cumulative assessments: an acute study of toxicokinetics and effects on motor activity in rats exposed to a mixture of pyrethroids. <i>Toxicological Sciences</i> , 2012 , 130, 309-18	4.4	43
42	A comprehensive framework for evaluating the environmental health and safety implications of engineered nanomaterials. <i>Critical Reviews in Toxicology</i> , 2017 , 47, 767-810	5.7	42
41	Dose-dependent effects on tissue distribution and metabolism of dimethylarsinic acid in the mouse after intravenous administration. <i>Toxicology</i> , 2000 , 143, 155-66	4.4	42
40	Tissue dosimetry, metabolism and excretion of pentavalent and trivalent monomethylated arsenic in mice after oral administration. <i>Toxicology and Applied Pharmacology</i> , 2005 , 208, 186-97	4.6	40
39	In vitro dermal absorption of pyrethroid pesticides in human and rat skin. <i>Toxicology and Applied Pharmacology</i> , 2010 , 246, 29-37	4.6	37
38	A physiologically based pharmacokinetic model for intravenous and ingested dimethylarsinic acid in mice. <i>Toxicological Sciences</i> , 2008 , 104, 250-60	4.4	32
37	Strain-dependent disposition of inorganic arsenic in the mouse. <i>Toxicology</i> , 1999 , 137, 95-108	4.4	32
36	Tissue dosimetry, metabolism and excretion of pentavalent and trivalent dimethylated arsenic in mice after oral administration. <i>Toxicology and Applied Pharmacology</i> , 2008 , 227, 26-35	4.6	31
35	intestinal toxicity of copper oxide nanoparticles in rat and human cell models. <i>Nanotoxicology</i> , 2019 , 13, 795-811	5.3	30
34	Peroxidase-catalyzed oxidation of (bi)sulfite: reaction of free radical metabolites of (bi)sulfite with (+/-)-7,8-dihydroxy-7,8-dihydroxy[a]pyrene. <i>Carcinogenesis</i> , 1988 , 9, 2015-21	4.6	30
33	Environmentally relevant mixing ratios in cumulative assessments: a study of the kinetics of pyrethroids and their ester cleavage metabolites in blood and brain; and the effect of a pyrethroid mixture on the motor activity of rats. <i>Toxicology</i> , 2014 , 320, 15-24	4.4	24
32	Estimation of tetrabromobisphenol A (TBBPA) percutaneous uptake in humans using the parallelogram method. <i>Toxicology and Applied Pharmacology</i> , 2015 , 289, 323-9	4.6	21

31	Identification of methylated metabolites of inorganic arsenic by thin-layer chromatography. <i>Biomedical Applications</i> , 1995 , 668, 21-9		21
30	Dose and Effect Thresholds for Early Key Events in a PPAR α Mediated Mode of Action. <i>Toxicological Sciences</i> , 2016 , 149, 312-25	4.4	20
29	Research approaches to address uncertainties in the risk assessment of arsenic in drinking water. <i>Toxicology and Applied Pharmacology</i> , 2007 , 222, 399-404	4.6	19
28	An integrated pharmacokinetic and pharmacodynamic study of arsenite action 2. Heme oxygenase induction in mice. <i>Toxicology</i> , 2005 , 206, 389-401	4.4	18
27	Assessing the Bioavailability and Risk from Metal-Contaminated Soils and Dusts. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014 , 20, 272-286	4.9	17
26	Accumulation of pyrethroid compounds in primary cultures from rat cortex. <i>Toxicology in Vitro</i> , 2010 , 24, 2053-7	3.6	17
25	Arsenic methylation, oxidative stress and cancer--is there a link?. <i>Journal of the National Cancer Institute</i> , 2009 , 101, 1660-1	9.7	17
24	The oxidation of 4-aminobiphenyl by horseradish peroxidase. <i>Chemical Research in Toxicology</i> , 1992 , 5, 340-5	4	17
23	Assessment of the in vitro dermal irritation potential of cerium, silver, and titanium nanoparticles in a human skin equivalent model. <i>Cutaneous and Ocular Toxicology</i> , 2017 , 36, 145-151	1.8	16
22	Pharmacokinetics and dosimetry of the antiandrogen vinclozolin after oral administration in the rat. <i>Toxicological Sciences</i> , 2008 , 106, 55-63	4.4	16
21	Arsenic, Oxidative Stress, and Carcinogenesis 2006 , 825-850		16
20	Estimation of human percutaneous bioavailability for two novel brominated flame retardants, 2-ethylhexyl 2,3,4,5-tetrabromobenzoate (EH-TBB) and bis(2-ethylhexyl) tetrabromophthalate (BEH-TEBP). <i>Toxicology and Applied Pharmacology</i> , 2016 , 311, 117-127	4.6	15
19	Environmentally relevant pyrethroid mixtures: A study on the correlation of blood and brain concentrations of a mixture of pyrethroid insecticides to motor activity in the rat. <i>Toxicology</i> , 2016 , 359-360, 19-28	4.4	15
18	Time and concentration dependent accumulation of [3H]-deltamethrin in <i>Xenopus laevis</i> oocytes. <i>Toxicology Letters</i> , 2005 , 157, 79-88	4.4	12
17	In vitro metabolism of the anti-androgenic fungicide vinclozolin by rat liver microsomes. <i>Archives of Toxicology</i> , 2012 , 86, 413-21	5.8	11
16	Liquid chromatography determination of the anti-androgen vinclozolin and its metabolites in rat serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 809, 105-10	3.2	11
15	From the Cover: Genomic Effects of Androstenedione and Sex-Specific Liver Cancer Susceptibility in Mice. <i>Toxicological Sciences</i> , 2017 , 160, 15-29	4.4	10
14	The biological fate of decabromodiphenyl ethane following oral, dermal or intravenous administration. <i>Xenobiotica</i> , 2017 , 47, 894-902	2	10

13	In vivo dermal absorption of pyrethroid pesticides in the rat. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016 , 79, 83-91	3.2	9
12	2,4,6-Tribromophenol Disposition and Kinetics in Rodents: Effects of Dose, Route, Sex, and Species. <i>Toxicological Sciences</i> , 2019 , 169, 167-179	4.4	8
11	Tissue time course and bioavailability of the pyrethroid insecticide bifenthrin in the Long-Evans rat. <i>Xenobiotica</i> , 2016 , 46, 430-8	2	7
10	Characterization of covalent binding of NSnitrosonornicotine in rat liver microsomes. <i>Carcinogenesis</i> , 1986 , 7, 3-8	4.6	6
9	Dermal disposition of Tetrabromobisphenol A Bis(2,3-dibromopropyl) ether (TBBPA-BDBPE) using rat and human skin. <i>Toxicology Letters</i> , 2019 , 301, 108-113	4.4	5
8	In vitro intestinal toxicity of commercially available spray disinfectant products advertised to contain colloidal silver. <i>Science of the Total Environment</i> , 2020 , 728, 138611	10.2	2
7	Toxicology and Epidemiology of Arsenic and its Compounds 237-275		2
6	Age-Related Percutaneous Penetration of 2-sec-Butyl-4,6-dinitrophenol (Dinoseb) in Rats. <i>Toxicological Sciences</i> , 1992 , 19, 258-267	4.4	2
5	Genomic comparisons between hepatocarcinogenic and non-hepatocarcinogenic organophosphate insecticides in the mouse liver. <i>Toxicology</i> , 2021 , 465, 153046	4.4	1
4	Human and ecological health effects of nanoplastics: may not be a tiny problem.. <i>Current Opinion in Toxicology</i> , 2021 , 28, 43-48	4.4	1
3	Mutagenic activity of biliary metabolites of 6-hydroxymethylbenzo[a]pyrene. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1986 , 173, 251-6		0
2	Extrapolating Dose in Vitro to Dose in Vivo of a Neurotoxic Pyrethroid Pesticide Using Empirical Approaches and a PBPK Model. <i>ACS Symposium Series</i> , 2012 , 229-241	0.4	
1	History of Arsenic as a Poison and a Medicinal Agent 1-22		