Elaina M Kenyon

List of Publications by Citations

61 papers	1,493 citations	21 h-index	37 g-index
62 ext. papers	1,598 ext. citations	3.9 avg, IF	4.21 L-index

#	Paper	IF	Citations
61	A concise review of the toxicity and carcinogenicity of dimethylarsinic acid. *Toxicology*, **2001**, 160, 227-36	4.4	171
60	Accumulation and metabolism of arsenic in mice after repeated oral administration of arsenate. *Toxicology and Applied Pharmacology*, **2003**, 191, 202-10	4.6	127
59	The occurrence of chemically induced hormesis. *Health Physics*, **1987**, 52, 531-41	2.3	101
58	Tissue distribution and urinary excretion of inorganic arsenic and its methylated metabolites in C57BL6 mice following subchronic exposure to arsenate in drinking water. *Toxicology and Applied Pharmacology*, **2008**, 232, 448-55	4.6	87
57	Tissue distribution and urinary excretion of inorganic arsenic and its methylated metabolites in mice following acute oral administration of arsenate. *Toxicological Sciences*, **2005**, 85, 468-75	4.4	77
56	Development of a human physiologically based pharmacokinetic (PBPK) model for inorganic arsenic and its mono- and di-methylated metabolites. *Journal of Pharmacokinetics and Pharmacodynamics*, **2008**, 35, 31-68	2.7	60
55	Concentration- and time-dependent genomic changes in the mouse urinary bladder following exposure to arsenate in drinking water for up to 12 weeks. *Toxicological Sciences*, **2011**, 123, 421-32	4.4	46
54	Dose-dependent effects on tissue distribution and metabolism of dimethylarsinic acid in the mouse after intravenous administration. *Toxicology*, **2000**, 143, 155-66	4.4	42
53	Tissue dosimetry, metabolism and excretion of pentavalent and trivalent monomethylated arsenic in mice after oral administration. *Toxicology and Applied Pharmacology*, **2005**, 208, 186-97	4.6	40
52	An integrated pharmacokinetic and pharmacodynamic study of arsenite action. 1. Heme oxygenase induction in rats. *Teratogenesis, Carcinogenesis, and Mutagenesis*, **1999**, 19, 385-402		40
51	Genome-wide analysis of DNA methylation and gene expression changes in the mouse lung following subchronic arsenate exposure. *Toxicological Sciences*, **2010**, 117, 404-17	4.4	38
50	A dosimetric analysis of the acute behavioral effects of inhaled toluene in rats. *Toxicological Sciences*, **2007**, 99, 181-9	4.4	37
49	Kinetic modeling of beta-chloroprene metabolism: II. The application of physiologically based modeling for cancer dose response analysis. *Toxicological Sciences*, **2004**, 79, 28-37	4.4	34
48	A physiologically based pharmacokinetic model for intravenous and ingested dimethylarsinic acid in mice. *Toxicological Sciences*, **2008**, 104, 250-60	4.4	32
47	Strain-dependent disposition of inorganic arsenic in the mouse. *Toxicology*, **1999**, 137, 95-108	4.4	32
46	Tissue dosimetry, metabolism and excretion of pentavalent and trivalent dimethylated arsenic in mice after oral administration. *Toxicology and Applied Pharmacology*, **2008**, 227, 26-35	4.6	31
45	Benzene: a case study in parent chemical and metabolite interactions. *Toxicology*, **1995**, 105, 225-33	4.4	31

44	Dose-, route-, and sex-dependent urinary excretion of phenol metabolites in B6C3F1 mice. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1995**, 44, 219-33	3.2	28
43	Quantitative comparisons of the acute neurotoxicity of toluene in rats and humans. *Toxicological Sciences*, **2007**, 100, 146-55	4.4	27
42	Differences in rates of benzene metabolism correlate with observed genotoxicity. *Toxicology and Applied Pharmacology*, **1996**, 136, 49-56	4.6	25
41	Acute toluene exposure and rat visual function in proportion to momentary brain concentration. *Toxicological Sciences*, **2007**, 99, 572-81	4.4	22
40	Dose and Effect Thresholds for Early Key Events in a PPARα-Mediated Mode of Action. *Toxicological Sciences*, **2016**, 149, 312-25	4.4	20
39	Neurobehavioral effects of acute exposure to four solvents: meta-analyses. *Toxicological Sciences*, **2009**, 109, 296-305	4.4	20
38	Acute perchloroethylene exposure alters rat visual-evoked potentials in relation to brain concentrations. *Toxicological Sciences*, **2009**, 108, 159-72	4.4	19
37	Aging and susceptibility to toluene in rats: a pharmacokinetic, biomarker, and physiological approach. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2010**, 73, 301-18	3.2	19
36	Research approaches to address uncertainties in the risk assessment of arsenic in drinking water. *Toxicology and Applied Pharmacology*, **2007**, 222, 399-404	4.6	19
35	Research toward the development of a biologically based dose response assessment for inorganic arsenic carcinogenicity: a progress report. *Toxicology and Applied Pharmacology*, **2007**, 222, 388-98	4.6	19
34	COMPARATIVE ANALYSIS OF SOFTWARE FOR PHYSIOLOGICALLY BASED PHARMACOKINETIC MODELING: SIMULATION, OPTIMIZATION, AND SENSITIVITY ANALYSIS **2000**, 10, 203-229		19
33	An integrated pharmacokinetic and pharmacodynamic study of arsenite action 2. Heme oxygenase induction in mice. *Toxicology*, **2005**, 206, 389-401	4.4	18
32	Pharmacokinetic modeling of arsenite uptake and metabolism in hepatocytes--mechanistic insights and implications for further experiments. *Journal of Pharmacokinetics and Pharmacodynamics*, **2002**, 29, 207-34	2.7	17
31	Identifiability of PBPK models with applications to dimethylarsinic acid exposure. *Journal of Pharmacokinetics and Pharmacodynamics*, **2015**, 42, 591-609	2.7	14
30	Interspecies extrapolation. *Methods in Molecular Biology*, **2012**, 929, 501-20	1.4	14
29	Modeling the toxicokinetics of inhaled toluene in rats: influence of physical activity and feeding status. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 249-65	3.2	14
28	How can biologically-based modeling of arsenic kinetics and dynamics inform the risk assessment process? - A workshop review. *Toxicology and Applied Pharmacology*, **2008**, 232, 359-68	4.6	13
27	Extent and implications of interspecies differences in the intestinal hydrolysis of certain glucuronide conjugates. *Xenobiotica*, **1993**, 23, 373-81	2	13

26	Correlating in vitro data to in vivo findings for risk assessment. *ALTEX: Alternatives To Animal Experimentation*, **2014**, 31, 79-90	4.3	13
25	Isolation of Sporothrix schenckii from potting soil. *Mycopathologia*, **1984**, 87, 128	2.9	12
24	Inhibition of beta-glucuronidase in human urine by ascorbic acid. *Human and Experimental Toxicology*, **1990**, 9, 165-70	3.4	11
23	From the Cover: Genomic Effects of Androstenedione and Sex-Specific Liver Cancer Susceptibility in Mice. *Toxicological Sciences*, **2017**, 160, 15-29	4.4	10
22	Influence of gender and acetone pretreatment on benzene metabolism in mice exposed by nose-only inhalation. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1998**, 55, 421-43	3.2	10
21	Application of modelling techniques to the planning of in vitro arsenic kinetic studies. *ATLA Alternatives To Laboratory Animals*, **2001**, 29, 15-33	2.1	8
20	Development and application of a human PBPK model for bromodichloromethane to investigate the impacts of multi-route exposure. *Journal of Applied Toxicology*, **2016**, 36, 1095-111	4.1	8
19	A General Physiological and Toxicokinetic (GPAT) Model for Simulating Complex Toluene Exposure Scenarios in Humans. *Toxicology Mechanisms and Methods*, **2006**, 16, 27-36	3.6	7
18	Personal fluoride and solvent exposures, and their determinants, in semiconductor manufacturing. *Journal of Occupational and Environmental Hygiene*, **2000**, 15, 354-61		7
17	Extrapolating the acute behavioral effects of toluene from 1- to 24-h exposures in rats: roles of dose metric and metabolic and behavioral tolerance. *Toxicological Sciences*, **2011**, 123, 180-92	4.4	6
16	Exposure in a household using gasoline-contaminated water. *Journal of Occupational and Environmental Medicine*, **1996**, 38, 35-8	2	6
15	The impact of variation in scaling factors on the estimation of internal dose metrics: a case study using bromodichloromethane (BDCM). *Toxicology Mechanisms and Methods*, **2016**, 26, 620-626	3.6	5
14	Mechanistic Considerations in Benzene Physiological Model Development. *Environmental Health Perspectives*, **1996**, 104, 1399	8.4	5
13	The Impact of Scaling Factor Variability on Risk-Relevant Pharmacokinetic Outcomes in Children: A Case Study Using Bromodichloromethane (BDCM). *Toxicological Sciences*, **2019**, 167, 347-359	4.4	4
12	State air toxics programs. The perils of decentralized regulation. *Environmental Science & Technology*, **1989**, 23, 1323-1328	10.3	3
11	Arsenic toxicokinetic modeling and risk analysis: Progress, needs and applications. *Toxicology*, **2021**, 457, 152809	4.4	3
10	Toxicology and Epidemiology of Arsenic and its Compounds237-275		2
9	Isolation of pathogenic Aspergillus species from commercially-prepared potting media. *Mycopathologia*, **1984**, 87, 171-3	2.9	2

List of Publications

8	Comparison of β-glucuronidase activity in the small intestine and cecum under aerobic versus anaerobic incubation conditions. *Journal of Environmental Science and Health Part A: Environmental Science and Engineering*, **1994**, 29, 1317-1321		1
7	Genomic comparisons between hepatocarcinogenic and non-hepatocarcinogenic organophosphate insecticides in the mouse liver. *Toxicology*, **2021**, 465, 153046	4.4	1
6	Incorporating mechanistic insights in a PBPK model for arsenic **2003**, 369-377		1
5	Comparison of in vivo derived and scaled in vitro metabolic rate constants for several volatile organic compounds (VOCs). *Toxicology in Vitro*, **2020**, 69, 105002	3.6	1
4	Toxicokinetics and Pharmacokinetic Modeling of Arsenic495-509		1
3	Comparison of three methods of expressing β-glucuronidase activity in intestinal contents. *Journal of Environmental Science and Health Part A: Environmental Science and Engineering*, **1994**, 29, 1305-1315		
2	Effect of ascorbic acid supplementation on beta-glucuronidase activity in urine, intestinal, and cecal contents of rats. *Journal of Environmental Science and Health Part A: Environmental Science and Engineering*, **1990**, 25, 299-316		
1	The effect of 3-methylcholanthrene-induced increases in ascorbic acid levels on tissue β-glucuronidase activity in rats. *Journal of Environmental Science and Health Part A, Environmental Science and Engineering*, **1988**, 23, 23-33		