

Brian G Lake

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.

41
papers

820
citations

18
h-index

28
g-index

41
ext. papers

934
ext. citations

3.7
avg, IF

4.22
L-index

#	Paper	IF	Citations
41	Mode of action and human relevance analysis for nuclear receptor-mediated liver toxicity: A case study with phenobarbital as a model constitutive androstane receptor (CAR) activator. <i>Critical Reviews in Toxicology</i> , 2014 , 44, 64-82	5.7	179
40	Human hepatocytes support the hypertrophic but not the hyperplastic response to the murine nongenotoxic hepatocarcinogen sodium phenobarbital in an in vivo study using a chimeric mouse with humanized liver. <i>Toxicological Sciences</i> , 2014 , 142, 137-57	4.4	56
39	Comparison of the effects of some CYP3A and other enzyme inducers on replicative DNA synthesis and cytochrome P450 isoforms in rat liver. <i>Toxicology</i> , 1998 , 131, 9-20	4.4	54
38	Comparison of the effects of the synthetic pyrethroid Metofluthrin and phenobarbital on CYP2B form induction and replicative DNA synthesis in cultured rat and human hepatocytes. <i>Toxicology</i> , 2009 , 258, 64-9	4.4	43
37	Human relevance of rodent liver tumour formation by constitutive androstane receptor (CAR) activators. <i>Toxicology Research</i> , 2018 , 7, 697-717	2.6	36
36	The histology and development of hepatic nodules and carcinoma in C3H/He and C57BL/6 mice following chronic phenobarbitone administration. <i>Toxicologic Pathology</i> , 1992 , 20, 585-94	2.1	31
35	The histology and development of hepatic nodules in C3H/He mice following chronic administration of phenobarbitone. <i>Carcinogenesis</i> , 1986 , 7, 627-31	4.6	31
34	Mode-of-action analysis for induction of rat liver tumors by pyrethrins: relevance to human cancer risk. <i>Critical Reviews in Toxicology</i> , 2009 , 39, 501-11	5.7	29
33	A mode of action for induction of liver tumors by Pyrethrins in the rat. <i>Toxicology and Applied Pharmacology</i> , 2007 , 218, 186-95	4.6	29
32	Determination of Human Hepatic CYP2C8 and CYP1A2 Age-Dependent Expression to Support Human Health Risk Assessment for Early Ages. <i>Drug Metabolism and Disposition</i> , 2017 , 45, 468-475	4	26
31	Lack of effect of piperonyl butoxide on unscheduled DNA synthesis in precision-cut human liver slices. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996 , 371, 273-82		24
30	Effect of chronic phenobarbitone administration on liver tumour formation in the C57BL/10J mouse. <i>Food and Chemical Toxicology</i> , 2009 , 47, 1333-40	4.7	22
29	Effect of piperonyl butoxide on cell replication and xenobiotic metabolism in the livers of CD-1 mice and F344 rats. <i>Fundamental and Applied Toxicology</i> , 1997 , 38, 64-74		20
28	Evaluation of the metabolism and hepatotoxicity of xenobiotics utilizing precision-cut slices. <i>Xenobiotica</i> , 2013 , 43, 41-53	2	19
27	Mode of action analysis for pesticide-induced rodent liver tumours involving activation of the constitutive androstane receptor: relevance to human cancer risk. <i>Pest Management Science</i> , 2015 , 71, 829-34	4.6	19
26	Development and Application of a Life-Stage Physiologically Based Pharmacokinetic (PBPK) Model to the Assessment of Internal Dose of Pyrethroids in Humans. <i>Toxicological Sciences</i> , 2020 , 173, 86-99	4.4	19
25	An Evaluation of the Human Relevance of the Lung Tumors Observed in Female Mice Treated With Permethrin Based on Mode of Action. <i>Toxicological Sciences</i> , 2017 , 157, 465-486	4.4	18

24	Lack of effect of metofluthrin and sodium phenobarbital on replicative DNA synthesis and Ki-67 mRNA expression in cultured human hepatocytes. <i>Toxicology Research</i> , 2015 , 4, 901-913	2.6	18
23	Evaluation of the human relevance of the constitutive androstane receptor-mediated mode of action for rat hepatocellular tumor formation by the synthetic pyrethroid momfluorothrin. <i>Journal of Toxicological Sciences</i> , 2017 , 42, 773-788	1.9	17
22	Evaluation of Age-Related Pyrethroid Pharmacokinetic Differences in Rats: Physiologically-Based Pharmacokinetic Model Development Using In Vitro Data and In Vitro to In Vivo Extrapolation. <i>Toxicological Sciences</i> , 2019 , 169, 365-379	4.4	15
21	Comparison of the effects of sodium phenobarbital in wild type and humanized constitutive androstane receptor (CAR)/pregnane X receptor (PXR) mice and in cultured mouse, rat and human hepatocytes. <i>Toxicology</i> , 2018 , 396-397, 23-32	4.4	14
20	Editor's Highlight: Mode of Action Analysis for Rat Hepatocellular Tumors Produced by the Synthetic Pyrethroid Momfluorothrin: Evidence for Activation of the Constitutive Androstane Receptor and Mitogenicity in Rat Hepatocytes. <i>Toxicological Sciences</i> , 2017 , 158, 412-430	4.4	14
19	Metabolism of deltamethrin and cis- and trans-permethrin by human expressed cytochrome P450 and carboxylesterase enzymes. <i>Xenobiotica</i> , 2019 , 49, 521-527	2	11
18	Involvement of Peroxisome Proliferator-Activated Receptor-Alpha in Liver Tumor Production by Permethrin in the Female Mouse. <i>Toxicological Sciences</i> , 2019 , 168, 572-596	4.4	9
17	Comparison of the hepatic and thyroid gland effects of sodium phenobarbital and pregnenolone-16 β -carbonitrile in wild-type and constitutive androstane receptor (CAR)/pregnane X receptor (PXR) knockout rats. <i>Xenobiotica</i> , 2019 , 49, 227-238	2	9
16	An Evaluation of the Human Relevance of the Liver Tumors Observed in Female Mice Treated With Permethrin Based on Mode of Action. <i>Toxicological Sciences</i> , 2020 , 175, 50-63	4.4	8
15	Comparison of the hepatic and thyroid gland effects of sodium phenobarbital in wild type and constitutive androstane receptor (CAR) knockout rats and pregnenolone-16 β -carbonitrile in wild type and pregnane X receptor (PXR) knockout rats. <i>Toxicology</i> , 2018 , 400-401, 20-27	4.4	8
14	Metabolism of deltamethrin and cis- and trans-permethrin by rat and human liver microsomes, liver cytosol and plasma preparations. <i>Xenobiotica</i> , 2019 , 49, 388-396	2	8
13	Critical evaluation of the human relevance of the mode of action for rodent liver tumor formation by activators of the constitutive androstane receptor (CAR). <i>Critical Reviews in Toxicology</i> , 2021 , 51, 373-394	5.7	5
12	Piperonyl butoxide: Mode of action analysis for mouse liver tumour formation and human relevance. <i>Toxicology</i> , 2020 , 439, 152465	4.4	4
11	Metazachlor: Mode of action analysis for rat liver tumour formation and human relevance. <i>Toxicology</i> , 2019 , 426, 152282	4.4	4
10	Analysis of β -catenin gene mutations and gene expression in liver tumours of C57BL/10J mice produced by chronic administration of sodium phenobarbital. <i>Toxicology</i> , 2020 , 430, 152343	4.4	4
9	Metabolism of bifenthrin, Ecyfluthrin, Ecyhalothrin, cyphenothrin and esfenvalerate by rat and human cytochrome P450 and carboxylesterase enzymes. <i>Xenobiotica</i> , 2020 , 50, 1434-1442	2	4
8	Comparison of the Hepatic Effects of Phenobarbital in Chimeric Mice Containing Either Rat or Human Hepatocytes With Humanized Constitutive Androstane Receptor and Pregnane X Receptor Mice. <i>Toxicological Sciences</i> , 2020 , 177, 362-376	4.4	4
7	An assay for screening xenobiotics for inhibition of rat thyroid gland peroxidase activity. <i>Xenobiotica</i> , 2020 , 50, 318-322	2	3

6	Differential lymphatic versus portal vein uptake of the synthetic pyrethroids deltamethrin and cis-permethrin in rats. <i>Toxicology</i> , 2020 , 443, 152563	4.4	2
5	Comparative studies on the effects of sodium phenobarbital and two other constitutive androstane receptor (CAR) activators on induction of cytochrome P450 enzymes and replicative DNA synthesis in cultured hepatocytes from wild type and CAR knockout rats. <i>Toxicology</i> , 2020 , 433-434, 152394	4.4	2
4	Physiologically Based Pharmacokinetic Modeling in Risk Assessment: Case Study With Pyrethroids. <i>Toxicological Sciences</i> , 2020 , 176, 460-469	4.4	1
3	Club Cells Are the Primary Target for Permethrin-Induced Mouse Lung Tumor Formation. <i>Toxicological Sciences</i> , 2021 , 184, 15-32	4.4	1
2	Kinetics of metabolism of deltamethrin and - and -permethrin . Studies using rat and human liver microsomes, isolated rat hepatocytes and rat liver cytosol. <i>Xenobiotica</i> , 2021 , 51, 40-50	2	
1	Evaluation of the human hazard of the liver and lung tumors in mice treated with permethrin based on mode of action.. <i>Critical Reviews in Toxicology</i> , 2022 , 1-31	5.7	