Stephen S Ferguson

List of Publications by Year
in descending order

37 papers	2,418 citations	331670 21 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	2186 citing authors

#	Article	IF	Citations
1	Integration of Dosimetry, Exposure, and High-Throughput Screening Data in Chemical Toxicity Assessment. Toxicological Sciences, 2012, 125, 157-174.	3.1	336
2	Incorporating Human Dosimetry and Exposure into High-ThroughputIn VitroToxicity Screening. Toxicological Sciences, 2010, 117, 348-358.	3.1	222
3	A Novel Distal Enhancer Module Regulated by Pregnane X Receptor/Constitutive Androstane Receptor Is Essential for the Maximal Induction of CYP2B6 Gene Expression. Journal of Biological Chemistry, 2003, 278, 14146-14152.	3.4	195
4	Incorporating High-Throughput Exposure Predictions With Dosimetry-AdjustedIn VitroBioactivity to Inform Chemical Toxicity Testing. Toxicological Sciences, 2015, 148, 121-136.	3.1	190
5	Human CYP2C8 Is Transcriptionally Regulated by the Nuclear Receptors Constitutive Androstane Receptor, Pregnane X Receptor, Glucocorticoid Receptor, and Hepatic Nuclear Factor 4Î±. Molecular Pharmacology, 2005, 68, 747-757.	2.3	185
6	In vitro to in vivo extrapolation for high throughput prioritization and decision making. Toxicology in Vitro, 2018, 47, 213-227.	2.4	162
7	Regulation of HumanCYP2C9by the Constitutive Androstane Receptor: Discovery of a New Distal Binding Site. Molecular Pharmacology, 2002, 62, 737-746.	2.3	149
8	An Intuitive Approach for Predicting Potential Human Health Risk with the Tox21 10k Library. Environmental Science & Technology, 2017, 51, 10786-10796.	10.0	120
9	From the Cover: Three-Dimensional (3D) HepaRG Spheroid Model With Physiologically Relevant Xenobiotic Metabolism Competence and Hepatocyte Functionality for Liver Toxicity Screening. Toxicological Sciences, 2017, 159, 124-136.	3.1	85
10	3D cell culture models: Drug pharmacokinetics, safety assessment, and regulatory consideration. Clinical and Translational Science, 2021, 14, 1659-1680.	3.1	77
11	A comprehensive evaluation of metabolic activity and intrinsic clearance in suspensions and monolayer cultures of cryopreserved primary human hepatocytes. Journal of Pharmaceutical Sciences, 2012, 101, 3989-4002.	3.3	74
12	The Power of Resolution: Contextualized Understanding of Biological Responses to Liver Injury Chemicals Using High-throughput Transcriptomics and Benchmark Concentration Modeling. Toxicological Sciences, 2019, 169, 553-566.	3.1	54
13	Xenobiotic-Metabolizing Enzyme and Transporter Gene Expression in Primary Cultures of Human Hepatocytes Modulated by Toxcast Chemicals. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2010, 13, 329-346.	6.5	53
14	Contextualizing Hepatocyte Functionality of Cryopreserved HepaRG Cell Cultures. Drug Metabolism and Disposition, 2016, 44, 1463-1479.	3.3	49
15	Evaluation of potential carcinogenicity of organic chemicals in synthetic turf crumb rubber. Environmental Research, 2019, 169, 163-172.	7.5	48
16	Evaluation of 5-day In Vivo Rat Liver and Kidney With High-throughput Transcriptomics for Estimating Benchmark Doses of Apical Outcomes. Toxicological Sciences, 2020, 176, 343-354.	3.1	45
17	High-Throughput Transcriptomic Analysis of Human Primary Hepatocyte Spheroids Exposed to Per- and Polyfluoroalkyl Substances as a Platform for Relative Potency Characterization. Toxicological Sciences, 2021, 181, 199-214.	3.1	39
18	How similar is similar enough? A sufficient similarity case study with Ginkgo biloba extract. Food and Chemical Toxicology, 2018, 118, 328-339.	3.6	32

#	Article	IF	Citations
19	Evaluation and Optimization of Pharmacokinetic Models for in Vitro to in Vivo Extrapolation of Estrogenic Activity for Environmental Chemicals. Environmental Health Perspectives, 2018, 126, 97001.	6.0	31
20	Key Characteristics of Human Hepatotoxicants as a Basis for Identification and Characterization of the Causes of Liver Toxicity. Hepatology, 2021, 74, 3486-3496.	7.3	29
21	High-throughput toxicogenomic screening of chemicals in the environment using metabolically competent hepatic cell cultures. Npj Systems Biology and Applications, 2021, 7, 7.	3.0	28
22	Potency Ranking of Per- and Polyfluoroalkyl Substances Using High-Throughput Transcriptomic Analysis of Human Liver Spheroids. Toxicological Sciences, 2021, 184, 154-169.	3.1	26
23	Characterization of human pregnane X receptor activators identified from a screening of the Tox21 compound library. Biochemical Pharmacology, 2021, 184, 114368.	4.4	19
24	A Modern Genotoxicity Testing Paradigm: Integration of the High-Throughput CometChipÂ® and the TGx-DDI Transcriptomic Biomarker in Human HepaRGâ„¢ Cell Cultures. Frontiers in Public Health, 2021, 9, 694834.	2.7	17
25	Microphysiological Systems Evaluation: Experience of TEX-VAL Tissue Chip Testing Consortium. Toxicological Sciences, 2022, 188, 143-152.	3.1	17
26	Flow cytometric micronucleus assay and TGx-DDI transcriptomic biomarker analysis of ten genotoxic and non-genotoxic chemicals in human HepaRGâ„¢ cells. Genes and Environment, 2020, 42, 5.	2.1	16
27	Establishing a systematic framework to characterise in vitro methods for human hepatic metabolic clearance. Toxicology in Vitro, 2018, 53, 233-244.	2.4	15
28	Evaluating Sufficient Similarity of Botanical Dietary Supplements: Combining Chemical and In Vitro Biological Data. Toxicological Sciences, 2019, 172, 316-329.	3.1	15
29	Follow that botanical: Challenges and recommendations for assessing absorption, distribution, metabolism and excretion of botanical dietary supplements. Food and Chemical Toxicology, 2018, 121, 194-202.	3.6	14
30	Organotypic 3D HepaRG Liver Model for Assessment of Drug-Induced Cholestasis. Methods in Molecular Biology, 2019, 1981, 313-323.	0.9	13
31	Comparison of Normalization Methods for Analysis of TempO-Seq Targeted RNA Sequencing Data. Frontiers in Genetics, 2020, 11, 594.	2.3	13
32	Benchmark Concentrations for Untargeted Metabolomics Versus Transcriptomics for Liver Injury Compounds in In Vitro Liver Models. Toxicological Sciences, 2021, 181, 175-186.	3.1	11
33	Exploration of xenobiotic metabolism within cell lines used for Tox21 chemical screening. Toxicology in Vitro, 2021, 73, 105109.	2.4	10
34	Systems biology for organotypic cell cultures. ALTEX: Alternatives To Animal Experimentation, 2017, 34, 301-310.	1.5	10
35	Identification of environmental chemicals that activate p53 signaling after in vitro metabolic activation. Archives of Toxicology, 2022, 96, 1975-1987.	4.2	10
36	Deep Learning Image Analysis of High-Throughput Toxicology Assay Images. SLAS Discovery, 2022, 27, 29-38.	2.7	3

#	Article	IF	Citations
37	Using liver models generated from human-induced pluripotent stem cells (iPSCs) for evaluating chemical-induced modifications and disease across liver developmental stages. Toxicology in Vitro, 2022, 83, 105412.	2.4	3