

# Stephen S Ferguson

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,418  
citations

331670

21  
h-index

315739

38  
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39  
all docs

39  
docs citations

39  
times ranked

2186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Image Analysis of High-Throughput Toxicology Assay Images. <i>SLAS Discovery</i> , 2022, 27, 29-38.	2.7	3
2	Identification of environmental chemicals that activate p53 signaling after in vitro metabolic activation. <i>Archives of Toxicology</i> , 2022, 96, 1975-1987.	4.2	10
3	Microphysiological Systems Evaluation: Experience of TEX-VAL Tissue Chip Testing Consortium. <i>Toxicological Sciences</i> , 2022, 188, 143-152.	3.1	17
4	Using liver models generated from human-induced pluripotent stem cells (iPSCs) for evaluating chemical-induced modifications and disease across liver developmental stages. <i>Toxicology in Vitro</i> , 2022, 83, 105412.	2.4	3
5	Characterization of human pregnane X receptor activators identified from a screening of the Tox21 compound library. <i>Biochemical Pharmacology</i> , 2021, 184, 114368.	4.4	19
6	High-throughput toxicogenomic screening of chemicals in the environment using metabolically competent hepatic cell cultures. <i>Npj Systems Biology and Applications</i> , 2021, 7, 7.	3.0	28
7	High-Throughput Transcriptomic Analysis of Human Primary Hepatocyte Spheroids Exposed to Per- and Polyfluoroalkyl Substances as a Platform for Relative Potency Characterization. <i>Toxicological Sciences</i> , 2021, 181, 199-214.	3.1	39
8	Benchmark Concentrations for Untargeted Metabolomics Versus Transcriptomics for Liver Injury Compounds in <i>In Vitro</i> Liver Models. <i>Toxicological Sciences</i> , 2021, 181, 175-186.	3.1	11
9	Exploration of xenobiotic metabolism within cell lines used for Tox21 chemical screening. <i>Toxicology in Vitro</i> , 2021, 73, 105109.	2.4	10
10	3D cell culture models: Drug pharmacokinetics, safety assessment, and regulatory consideration. <i>Clinical and Translational Science</i> , 2021, 14, 1659-1680.	3.1	77
11	Key Characteristics of Human Hepatotoxicants as a Basis for Identification and Characterization of the Causes of Liver Toxicity. <i>Hepatology</i> , 2021, 74, 3486-3496.	7.3	29
12	A Modern Genotoxicity Testing Paradigm: Integration of the High-Throughput CometChip <sup>®</sup> and the TGx-DDI Transcriptomic Biomarker in Human HepaRG <sup>®</sup> , <sup>†</sup> Cell Cultures. <i>Frontiers in Public Health</i> , 2021, 9, 694834.	2.7	17
13	Potency Ranking of Per- and Polyfluoroalkyl Substances Using High-Throughput Transcriptomic Analysis of Human Liver Spheroids. <i>Toxicological Sciences</i> , 2021, 184, 154-169.	3.1	26
14	Evaluation of 5-day In Vivo Rat Liver and Kidney With High-throughput Transcriptomics for Estimating Benchmark Doses of Apical Outcomes. <i>Toxicological Sciences</i> , 2020, 176, 343-354.	3.1	45
15	Comparison of Normalization Methods for Analysis of TempO-Seq Targeted RNA Sequencing Data. <i>Frontiers in Genetics</i> , 2020, 11, 594.	2.3	13
16	Flow cytometric micronucleus assay and TGx-DDI transcriptomic biomarker analysis of ten genotoxic and non-genotoxic chemicals in human HepaRG <sup>®</sup> , <sup>†</sup> cells. <i>Genes and Environment</i> , 2020, 42, 5.	2.1	16
17	Evaluating Sufficient Similarity of Botanical Dietary Supplements: Combining Chemical and In Vitro Biological Data. <i>Toxicological Sciences</i> , 2019, 172, 316-329.	3.1	15
18	Organotypic 3D HepaRG Liver Model for Assessment of Drug-Induced Cholestasis. <i>Methods in Molecular Biology</i> , 2019, 1981, 313-323.	0.9	13

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19	The Power of Resolution: Contextualized Understanding of Biological Responses to Liver Injury Chemicals Using High-throughput Transcriptomics and Benchmark Concentration Modeling. <i>Toxicological Sciences</i> , 2019, 169, 553-566.	3.1	54
20	Evaluation of potential carcinogenicity of organic chemicals in synthetic turf crumb rubber. <i>Environmental Research</i> , 2019, 169, 163-172.	7.5	48
21	In vitro to in vivo extrapolation for high throughput prioritization and decision making. <i>Toxicology in Vitro</i> , 2018, 47, 213-227.	2.4	162
22	Evaluation and Optimization of Pharmacokinetic Models for <i>in Vitro</i> to <i>in Vivo</i> Extrapolation of Estrogenic Activity for Environmental Chemicals. <i>Environmental Health Perspectives</i> , 2018, 126, 97001.	6.0	31
23	Follow that botanical: Challenges and recommendations for assessing absorption, distribution, metabolism and excretion of botanical dietary supplements. <i>Food and Chemical Toxicology</i> , 2018, 121, 194-202.	3.6	14
24	How similar is similar enough? A sufficient similarity case study with Ginkgo biloba extract. <i>Food and Chemical Toxicology</i> , 2018, 118, 328-339.	3.6	32
25	Establishing a systematic framework to characterise in vitro methods for human hepatic metabolic clearance. <i>Toxicology in Vitro</i> , 2018, 53, 233-244.	2.4	15
26	From the Cover: Three-Dimensional (3D) HepaRG Spheroid Model With Physiologically Relevant Xenobiotic Metabolism Competence and Hepatocyte Functionality for Liver Toxicity Screening. <i>Toxicological Sciences</i> , 2017, 159, 124-136.	3.1	85
27	An Intuitive Approach for Predicting Potential Human Health Risk with the Tox21 10k Library. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10786-10796.	10.0	120
28	Systems biology for organotypic cell cultures. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 301-310.	1.5	10
29	Contextualizing Hepatocyte Functionality of Cryopreserved HepaRG Cell Cultures. <i>Drug Metabolism and Disposition</i> , 2016, 44, 1463-1479.	3.3	49
30	Incorporating High-Throughput Exposure Predictions With Dosimetry-Adjusted <i>In Vitro</i> Bioactivity to Inform Chemical Toxicity Testing. <i>Toxicological Sciences</i> , 2015, 148, 121-136.	3.1	190
31	Integration of Dosimetry, Exposure, and High-Throughput Screening Data in Chemical Toxicity Assessment. <i>Toxicological Sciences</i> , 2012, 125, 157-174.	3.1	336
32	A comprehensive evaluation of metabolic activity and intrinsic clearance in suspensions and monolayer cultures of cryopreserved primary human hepatocytes. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3989-4002.	3.3	74
33	Xenobiotic-Metabolizing Enzyme and Transporter Gene Expression in Primary Cultures of Human Hepatocytes Modulated by Toxic Chemicals. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2010, 13, 329-346.	6.5	53
34	Incorporating Human Dosimetry and Exposure into High-Throughput <i>In Vitro</i> Toxicity Screening. <i>Toxicological Sciences</i> , 2010, 117, 348-358.	3.1	222
35	Human CYP2C8 Is Transcriptionally Regulated by the Nuclear Receptors Constitutive Androstane Receptor, Pregnane X Receptor, Glucocorticoid Receptor, and Hepatic Nuclear Factor 4 $\alpha$ . <i>Molecular Pharmacology</i> , 2005, 68, 747-757.	2.3	185
36	A Novel Distal Enhancer Module Regulated by Pregnane X Receptor/Constitutive Androstane Receptor Is Essential for the Maximal Induction of CYP2B6 Gene Expression. <i>Journal of Biological Chemistry</i> , 2003, 278, 14146-14152.	3.4	195

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37	Regulation of Human CYP2C9 by the Constitutive Androstane Receptor: Discovery of a New Distal Binding Site. <i>Molecular Pharmacology</i> , 2002, 62, 737-746.	2.3	149