

Steven O Simmons

List of Publications by Year in descending order

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42
papers

2,097
citations

236833

25
h-index

265120

42
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43
all docs

43
docs citations

43
times ranked

3454
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular Stress Response Pathway System as a Sentinel Ensemble in Toxicological Screening. <i>Toxicological Sciences</i> , 2009, 111, 202-225.	1.4	258
2	The Next Generation Blueprint of Computational Toxicology at the U.S. Environmental Protection Agency. <i>Toxicological Sciences</i> , 2019, 169, 317-332.	1.4	225
3	Nrf2 expression modifies influenza A entry and replication in nasal epithelial cells. <i>Free Radical Biology and Medicine</i> , 2011, 51, 444-453.	1.3	142
4	Gene expression changes in developing zebrafish as potential markers for rapid developmental neurotoxicity screening. <i>Neurotoxicology and Teratology</i> , 2010, 32, 91-98.	1.2	129
5	Evaluating Chemicals for Thyroid Disruption: Opportunities and Challenges with <i>in Vitro</i> Testing and Adverse Outcome Pathway Approaches. <i>Environmental Health Perspectives</i> , 2019, 127, 95001.	2.8	106
6	High-throughput genotoxicity assay identifies antioxidants as inducers of DNA damage response and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5423-5428.	3.3	104
7	NRF2 Oxidative Stress Induced by Heavy Metals is Cell Type Dependent. <i>Current Chemical Genomics</i> , 2011, 5, 1-12.	2.0	101
8	Tiered High-Throughput Screening Approach to Identify Thyroperoxidase Inhibitors Within the ToxCast Phase I and II Chemical Libraries. <i>Toxicological Sciences</i> , 2016, 151, 160-180.	1.4	95
9	Investigating oxidative stress and inflammatory responses elicited by silver nanoparticles using high-throughput reporter genes in HepG2 cells: Effect of size, surface coating, and intracellular uptake. <i>Toxicology in Vitro</i> , 2013, 27, 2013-2021.	1.1	86
10	Development of a Thyroperoxidase Inhibition Assay for High-Throughput Screening. <i>Chemical Research in Toxicology</i> , 2014, 27, 387-399.	1.7	70
11	Differential transcriptional regulation of IL-8 expression by human airway epithelial cells exposed to diesel exhaust particles. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 46-54.	1.3	59
12	Development of a screening approach to detect thyroid disrupting chemicals that inhibit the human sodium iodide symporter (NIS). <i>Toxicology in Vitro</i> , 2017, 40, 66-78.	1.1	59
13	High-Throughput Screening and Quantitative Chemical Ranking for Sodium-Iodide Symporter Inhibitors in ToxCast Phase I Chemical Library. <i>Environmental Science & Technology</i> , 2018, 52, 5417-5426.	4.6	54
14	Ambient Particulate Matter Induces Interleukin-8 Expression through an Alternative NF- κ B (Nuclear) Pathway. <i>Toxicology in Vitro</i> , 2013, 27, 1379-1383.	2.8	49
15	Evidence for triclosan-induced activation of human and rodent xenobiotic nuclear receptors. <i>Toxicology in Vitro</i> , 2013, 27, 2049-2060.	1.1	45
16	Profiling Environmental Chemicals for Activity in the Antioxidant Response Element Signaling Pathway Using a High Throughput Screening Approach. <i>Environmental Health Perspectives</i> , 2012, 120, 1150-1156.	2.8	42
17	Cross-species analysis of thyroperoxidase inhibition by xenobiotics demonstrates conservation of response between pig and rat. <i>Toxicology</i> , 2013, 312, 97-107.	2.0	37
18	Comparison of <i>in vitro</i> and <i>in vivo</i> bioassays to measure thyroid hormone disrupting activity in water extracts. <i>Chemosphere</i> , 2018, 191, 868-875.	4.2	35

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19	Linking Oxidative Events to Inflammatory and Adaptive Gene Expression Induced by Exposure to an Organic Particulate Matter Component. <i>Environmental Health Perspectives</i> , 2012, 120, 267-274.	2.8	34
20	Role of H ₂ O ₂ in the oxidative effects of zinc exposure in human airway epithelial cells. <i>Redox Biology</i> , 2014, 3, 47-55.	3.9	31
21	mRNA transfection retrofits cell-based assays with xenobiotic metabolism. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 92, 77-94.	0.3	31
22	Green-Synthesized and Coated Nanosilver Alters the Membrane Permeability of Barrier (Intestinal), <i>TJ ETQq0.0.0 rgBT /Overlock 1 Chemistry and Engineering</i> , 2013, 1, 753-759.	3.2	29
23	Sumoylation of internally initiated Sp3 isoforms regulates transcriptional repression via a Trichostatin A-insensitive mechanism. <i>Cellular Signalling</i> , 2005, 17, 153-166.	1.7	27
24	Magnitude of stimulation dictates the cannabinoid-mediated differential T cell response to HIVgp120. <i>Journal of Leukocyte Biology</i> , 2012, 92, 1093-1102.	1.5	27
25	Cellular interactions and biological responses to titanium dioxide nanoparticles in HepG2 and BEAS-2B cells: Role of cell culture media. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 336-342.	0.9	27
26	Nrx3.1 binds and negatively regulates the transcriptional activity of Sp-family members in prostate-derived cells. <i>Biochemical Journal</i> , 2006, 393, 397-409.	1.7	26
27	Investigating mitochondrial dysfunction in human lung cells exposed to redox-active PM components. <i>Toxicology and Applied Pharmacology</i> , 2018, 342, 99-107.	1.3	26
28	Sp2 Localizes to Subnuclear Foci Associated with the Nuclear Matrix. <i>Molecular Biology of the Cell</i> , 2006, 17, 1711-1722.	0.9	19
29	Monitoring Intracellular Redox Changes in Ozone-Exposed Airway Epithelial Cells. <i>Environmental Health Perspectives</i> , 2013, 121, 312-317.	2.8	19
30	Protein Sulfenylation: A Novel Readout of Environmental Oxidant Stress. <i>Chemical Research in Toxicology</i> , 2015, 28, 2411-2418.	1.7	19
31	QSAR models for thyroperoxidase inhibition and screening of U.S. and EU chemical inventories. <i>Computational Toxicology</i> , 2017, 4, 11-21.	1.8	16
32	Long chain lipid hydroperoxides increase the glutathione redox potential through glutathione peroxidase 4. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 950-959.	1.1	13
33	Respirometric Screening and Characterization of Mitochondrial Toxicants Within the ToxCast Phase I and II Chemical Libraries. <i>Toxicological Sciences</i> , 2020, 176, 175-192.	1.4	11
34	The cellular and genomic response of rat dopaminergic neurons (N27) to coated nanosilver. <i>NeuroToxicology</i> , 2014, 45, 12-21.	1.4	10
35	A Multiplex Noninvasive Salivary Antibody Assay for SARS-CoV-2 Infection and Its Application in a Population-Based Survey by Mail. <i>Microbiology Spectrum</i> , 2021, 9, e0069321.	1.2	9
36	Hypoxia Response: A Model Toxicity Pathway for High-Throughput Screening. <i>Toxicological Sciences</i> , 2009, 112, 1-3.	1.4	7

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37	Live cell imaging of oxidative stress in human airway epithelial cells exposed to isoprene hydroxyhydroperoxide. <i>Redox Biology</i> , 2022, 51, 102281.	3.9	6
38	Generation and characterization of neurogenin1-GFP transgenic medaka with potential for rapid developmental neurotoxicity screening. <i>Aquatic Toxicology</i> , 2011, 105, 127-135.	1.9	4
39	The Physicochemistry of Capped Nanosilver Predicts Its Biological Activity in Rat Brain Endothelial Cells (RBEC4). <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1566-1573.	3.2	4
40	Fireflies in the Coalmine: Luciferase Technologies in Next-Generation Toxicity Testing. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011, 14, 688-702.	0.6	3
41	Regulation of IL-8 Promoter Activity by Verrucarin A in Human Monocytic THP-1 Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 1125-1140.	1.1	2
42	Reply to Kojo: Mechanisms of antioxidant-induced DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2029-E2029.	3.3	1