

# J Thomas Sanderson

## List of Publications by Year in descending order

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80  
papers

4,750  
citations

94433

37  
h-index

95266

68  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5779  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Steroid Hormone Biosynthesis Pathway as a Target for Endocrine-Disrupting Chemicals. <i>Toxicological Sciences</i> , 2006, 94, 3-21.	3.1	431
2	Challenges for Research on Polyphenols from Foods in Alzheimer's Disease: Bioavailability, Metabolism, and Cellular and Molecular Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4855-4873.	5.2	387
3	Induction and Inhibition of Aromatase (CYP19) Activity by Various Classes of Pesticides in H295R Human Adrenocortical Carcinoma Cells. <i>Toxicology and Applied Pharmacology</i> , 2002, 182, 44-54.	2.8	312
4	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	2.8	239
5	Comparison of Ah Receptor-Mediated Luciferase and Ethoxyresorufin-O-deethylase Induction in H4IIE Cells: Implications for Their Use as Bioanalytical Tools for the Detection of Polyhalogenated Aromatic Hydrocarbons. <i>Toxicology and Applied Pharmacology</i> , 1996, 137, 316-325.	2.8	234
6	Assessment of the Effects of Chemicals on the Expression of Ten Steroidogenic Genes in the H295R Cell Line Using Real-Time PCR. <i>Toxicological Sciences</i> , 2004, 81, 78-89.	3.1	159
7	Inhibition and Induction of Aromatase (CYP19) Activity by Brominated Flame Retardants in H295R Human Adrenocortical Carcinoma Cells. <i>Toxicological Sciences</i> , 2005, 88, 447-455.	3.1	132
8	Induction and Inhibition of Aromatase (CYP19) Activity by Natural and Synthetic Flavonoid Compounds in H295R Human Adrenocortical Carcinoma Cells. <i>Toxicological Sciences</i> , 2004, 82, 70-79.	3.1	128
9	Impact of Polychlorinated Biphenyls Contamination on Estrogenic Activity in Human Male Serum. <i>Environmental Health Perspectives</i> , 2005, 113, 1277-1284.	6.0	121
10	Additive estrogenic effects of mixtures of frequently used UV filters on pS2-gene transcription in MCF-7 cells. <i>Toxicology and Applied Pharmacology</i> , 2005, 208, 170-177.	2.8	119
11	In vitro effects of brominated flame retardants and metabolites on CYP17 catalytic activity: A novel mechanism of action?. <i>Toxicology and Applied Pharmacology</i> , 2006, 216, 274-281.	2.8	111
12	A comparison of human H295R and rat R2C cell lines as in vitro screening tools for effects on aromatase. <i>Toxicology Letters</i> , 2004, 146, 183-194.	0.8	100
13	Quantitative RT-PCR Methods for Evaluating Toxicant-Induced Effects on Steroidogenesis Using the H295R Cell Line. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2777-2785.	10.0	96
14	The H295R system for evaluation of endocrine-disrupting effects. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 293-305.	6.0	86
15	Effects of Polybrominated Diphenyl Ethers on Basal and TCDD-Induced Ethoxyresorufin Activity and Cytochrome P450-1A1 Expression in MCF-7, HepG2, and H4IIE Cells. <i>Toxicological Sciences</i> , 2004, 82, 488-496.	3.1	83
16	Effects of Neonicotinoid Pesticides on Promoter-Specific Aromatase (CYP19) Expression in Hs578t Breast Cancer Cells and the Role of the VEGF Pathway. <i>Environmental Health Perspectives</i> , 2018, 126, 047014.	6.0	73
17	Bile acids induce apoptosis selectively in androgen-dependent and -independent prostate cancer cells. <i>PeerJ</i> , 2013, 1, e122.	2.0	71
18	Hepatic Microsomal Ethoxyresorufin O-Deethylase-Inducing Potency in Ovo and Cytosolic Ah Receptor Binding Affinity of 2,3,7,8-Tetrachlorodibenzo-p-dioxin: Comparison of 4 Avian Species. <i>Toxicology and Applied Pharmacology</i> , 1995, 132, 131-145.	2.8	64

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19	Effects of 3-MeSO <sub>2</sub> -DDE and some CYP inhibitors on glucocorticoid steroidogenesis in the H295R human adrenocortical carcinoma cell line. <i>Toxicology in Vitro</i> , 2002, 16, 113-121.	2.4	64
20	Growth Inhibitory, Antiandrogenic, and Pro-apoptotic Effects of Punicic Acid in LNCaP Human Prostate Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12149-12156.	5.2	60
21	The use of a unique co-culture model of fetoplacental steroidogenesis as a screening tool for endocrine disruptors: The effects of neonicotinoids on aromatase activity and hormone production. <i>Toxicology and Applied Pharmacology</i> , 2017, 332, 15-24.	2.8	60
22	Monitoring biological effects of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls in great blue heron chicks ( <i>Ardea herodias</i> ) in British Columbia. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1994, 41, 435-450.	2.3	59
23	Effects of Natural and Synthetic Estrogens and Various Environmental Contaminants on Vitellogenesis in Fish Primary Hepatocytes: Comparison of Bream ( <i>Abramis brama</i> ) and Carp ( <i>Cyprinus</i> ) Tj ETQq1 1 0.1784314agBT /Over	3.1	56
24	Effects of Neonicotinoids on Promoter-Specific Expression and Activity of Aromatase (CYP19) in Human Adrenocortical Carcinoma (H295R) and Primary Umbilical Vein Endothelial (HUVEC) Cells. <i>Toxicological Sciences</i> , 2016, 149, 134-144.	3.1	56
25	2,3,7,8-Tetrachlorodibenzo-p-dioxin and Diindolylmethanes Differentially Induce Cytochrome P450 1A1, 1B1, and 19 in H295R Human Adrenocortical Carcinoma Cells. <i>Toxicological Sciences</i> , 2001, 61, 40-48.	3.1	55
26	Biological effects of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls in double-crested cormorant chicks ( <i>Phalacrocorax auritus</i> ). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1994, 41, 247-265.	2.3	54
27	Cytochrome P450 1A1 and 1B1 in Human Blood Lymphocytes Are Not Suitable as Biomarkers of Exposure to Dioxin-like Compounds: Polymorphisms and Interindividual Variation in Expression and Inducibility. <i>Toxicological Sciences</i> , 2005, 85, 703-712.	3.1	54
28	Mixture effects of estrogenic compounds on proliferation and pS2 expression of MCF-7 human breast cancer cells. <i>Food and Chemical Toxicology</i> , 2007, 45, 2319-2330.	3.6	54
29	The 5-HT <sub>2A</sub> serotonin receptor enhances cell viability, affects cell cycle progression and activates MEK-ERK1/2 and JAK2-STAT3 signalling pathways in human choriocarcinoma cell lines. <i>Placenta</i> , 2010, 31, 439-447.	1.5	54
30	Co-culture of Primary Human Mammary Fibroblasts and MCF-7 Cells as an In Vitro Breast Cancer Model. <i>Toxicological Sciences</i> , 2004, 83, 257-263.	3.1	52
31	Lithocholic acid induces endoplasmic reticulum stress, autophagy and mitochondrial dysfunction in human prostate cancer cells. <i>PeerJ</i> , 2016, 4, e2445.	2.0	52
32	Phytochemicals Inhibit Catechol-O-Methyltransferase Activity in Cytosolic Fractions from Healthy Human Mammary Tissues: Implications for Catechol Estrogen-Induced DNA Damage. <i>Toxicological Sciences</i> , 2004, 81, 316-324.	3.1	50
33	Antiproliferative, antiandrogenic and cytotoxic effects of novel caffeic acid derivatives in LNCaP human androgen-dependent prostate cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7182-7193.	3.0	48
34	Effects of several dioxin-like compounds on estrogen metabolism in the malignant MCF-7 and nontumorigenic MCF-10A human mammary epithelial cell lines. <i>Toxicology and Applied Pharmacology</i> , 2003, 190, 241-250.	2.8	47
35	In vitro induction of ethoxyresorufin-O-deethylase and porphyrins by halogenated aromatic hydrocarbons in avian primary hepatocytes. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 2006-2018.	4.3	46
36	Human placenta expresses both peripheral and neuronal isoform of tryptophan hydroxylase. <i>Biochimie</i> , 2017, 140, 159-165.	2.6	46

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37	On-line system for supercritical fluid extraction and capillary gas chromatography with electron-capture detection. <i>Journal of Chromatography A</i> , 1989, 474, 388-395.	3.7	39
38	Antiandrogenic and growth inhibitory effects of ring $\alpha$ -substituted analogs of 3,3 $\alpha$ -diindolylmethane (Ring $\alpha$ -DIMs) in hormone $\alpha$ -responsive LNCaP human prostate cancer cells. <i>Prostate</i> , 2011, 71, 1401-1412.	2.3	36
39	Stimulation of serotonergic 5-HT 2A receptor signaling increases placental aromatase (CYP19) activity and expression in BeWo and JEG-3 human choriocarcinoma cells. <i>Placenta</i> , 2011, 32, 651-656.	1.5	34
40	Jacaric acid and its octadecatrienoic acid geoisomers induce apoptosis selectively in cancerous human prostate cells: a mechanistic and 3-D structure $\alpha$ -activity study. <i>Phytomedicine</i> , 2013, 20, 734-742.	5.3	33
41	Serotonin-estrogen interactions: What can we learn from pregnancy?. <i>Biochimie</i> , 2019, 161, 88-108.	2.6	33
42	Estrogenic effects of mixtures of phyto- and synthetic chemicals on uterine growth of prepubertal rats. <i>Toxicology Letters</i> , 2007, 170, 165-176.	0.8	32
43	A Unique Co-culture Model for Fundamental and Applied Studies of Human Fetoplacental Steroidogenesis and Interference by Environmental Chemicals. <i>Environmental Health Perspectives</i> , 2014, 122, 371-377.	6.0	32
44	The potential for chemical mixtures from the environment to enable the cancer hallmark of sustained proliferative signalling. <i>Carcinogenesis</i> , 2015, 36, S38-S60.	2.8	32
45	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Induces Hepatic Cytochrome P450-Dependent Arachidonic Acid Epoxygenation in Diverse Avian Orders: Regioisomer Selectivity and Immunochemical Comparison of the TCDD-Induced P450s to CYP1A4 and 1A5. <i>Toxicology and Applied Pharmacology</i> , 1998, 150, 106-116.	2.8	31
46	Synthesis and biological assessment of a ruthenium(II) cyclopentadienyl complex in breast cancer cells and on the development of zebrafish embryos. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112030.	5.5	31
47	Antagonism of TCDD-induced ethoxyresorufin-O-deethylation activity by polybrominated diphenyl ethers (PBDEs) in primary cynomolgus monkey ( <i>Macaca fascicularis</i> ) hepatocytes. <i>Toxicology Letters</i> , 2006, 164, 123-132.	0.8	30
48	Fluoxetine and its active metabolite norfluoxetine disrupt estrogen synthesis in a co-culture model of the fetoplacental unit. <i>Molecular and Cellular Endocrinology</i> , 2017, 442, 32-39.	3.2	30
49	Diindolylmethane and its halogenated derivatives induce protective autophagy in human prostate cancer cells via induction of the oncogenic protein AEG-1 and activation of AMP-activated protein kinase (AMPK). <i>Cellular Signalling</i> , 2017, 40, 172-182.	3.6	30
50	Towards regulation of Endocrine Disrupting chemicals (EDCs) in water resources using bioassays $\alpha$ A guide to developing a testing strategy. <i>Environmental Research</i> , 2022, 205, 112483.	7.5	30
51	Effects of bisphenol A-related diphenylalkanes on vitellogenin production in male carp ( <i>Cyprinus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Toxicology and Applied Pharmacology</i> , 2005, 209, 95-104.	2.8	28
52	Organoruthenium(II) Complexes Bearing an Aromatase Inhibitor: Synthesis, Characterization, <i>in Vitro</i> Biological Activity and <i>in Vivo</i> Toxicity in Zebrafish Embryos. <i>Organometallics</i> , 2019, 38, 702-711.	2.3	28
53	Suppression of aromatase activity in populations of bream ( <i>Abramis brama</i> ) from the river Elbe, Germany. <i>Chemosphere</i> , 2007, 66, 542-552.	8.2	27
54	Effects of environmental and natural estrogens on vitellogenin production in hepatocytes of the brown frog ( <i>Rana temporaria</i> ). <i>Aquatic Toxicology</i> , 2005, 71, 97-101.	4.0	25

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55	Effects of selective serotonin-reuptake inhibitors (SSRIs) on human villous trophoblasts syncytialization. <i>Toxicology and Applied Pharmacology</i> , 2018, 349, 8-20.	2.8	25
56	Antiandrogenic Mechanisms of Pesticides in Human LNCaP Prostate and H295R Adrenocortical Carcinoma Cells. <i>Toxicological Sciences</i> , 2015, 143, 126-135.	3.1	22
57	Effects of embryonic and adult exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin on hepatic microsomal testosterone hydroxylase activities in great blue herons ( <i>Ardea herodias</i> ). <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 1304-1310.	4.3	19
58	Human Primary Trophoblast Cell Culture Model to Study the Protective Effects of Melatonin Against Hypoxia/reoxygenation-induced Disruption. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	19
59	Inhibition of aromatase activity by methyl sulfonyl PCB metabolites in primary culture of human mammary fibroblasts. <i>Toxicology and Applied Pharmacology</i> , 2005, 202, 50-58.	2.8	18
60	Placental and Fetal Steroidogenesis. <i>Methods in Molecular Biology</i> , 2009, 550, 127-136.	0.9	18
61	Proliferative and androgenic effects of indirubin derivatives in LNCaP human prostate cancer cells at sub-apoptotic concentrations. <i>Chemico-Biological Interactions</i> , 2011, 189, 177-185.	4.0	17
62	Ring-substituted analogs of 3,3'-diindolylmethane (DIM) induce apoptosis and necrosis in androgen-dependent and -independent prostate cancer cells. <i>Investigational New Drugs</i> , 2014, 32, 25-36.	2.6	13
63	Effects of selective serotonin-reuptake inhibitors (SSRIs) in JEG-3 and HIPEC cell models of the extravillous trophoblast. <i>Placenta</i> , 2018, 72-73, 62-73.	1.5	13
64	Serotonin and serotonin reuptake inhibitors alter placental aromatase. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 195, 105470.	2.5	11
65	INDUCTION OF ETHOXY-RESORUFIN-O-DEETHYLASE ACTIVITY BY HALOGENATED AROMATIC HYDROCARBONS AND POLYCYCLIC AROMATIC HYDROCARBONS IN PRIMARY HEPATOCYTES OF THE GREEN FROG (RANA) Tj ETQq1430.784314 rgBT /D	1.3	10
66	Isolation and Purification of Villous Cytotrophoblast Cells from Term Human Placenta. <i>Methods in Molecular Biology</i> , 2018, 1710, 219-231.	0.9	10
67	3,3'-Diindolylmethane (DIM) and its ring-substituted halogenated analogs (ring-DIMs) induce differential mechanisms of survival and death in androgen-dependent and -independent prostate cancer cells. <i>Genes and Cancer</i> , 2015, 6, 265-280.	1.9	10
68	Effects of lactone derivatives on aromatase (CYP19) activity in H295R human adrenocortical and (anti)androgenicity in transfected LNCaP human prostate cancer cells. <i>European Journal of Pharmacology</i> , 2008, 593, 92-98.	3.5	8
69	Profile of CYP19A1 mRNA expression and aromatase activity during syncytialization of primary human villous trophoblast cells at term. <i>Biochimie</i> , 2018, 148, 12-17.	2.6	8
70	IN VITRO INDUCTION OF ETHOXYRESORUFIN-O-DEETHYLASE AND PORPHYRINS BY HALOGENATED AROMATIC HYDROCARBONS IN AVIAN PRIMARY HEPATOCYTES. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 2006.	4.3	8
71	Autophagy inhibition improves the chemotherapeutic efficacy of cruciferous vegetable-derived diindolylmethane in a murine prostate cancer xenograft model. <i>Investigational New Drugs</i> , 2018, 36, 718-725.	2.6	7
72	Development of an estrogen-dependent breast cancer co-culture model as a tool for studying endocrine disruptors. <i>Toxicology in Vitro</i> , 2020, 62, 104658.	2.4	7

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73	No Effect of CYP1B1 Val432Leu Polymorphism on CYP1B1 Messenger RNA Levels in an Organochlorine-Exposed Population in Slovakia. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 755-756.	2.5	6
74	Evaluation of a bioluminescent mouse model expressing aromatase PII-promoter-controlled luciferase as a tool for the study of endocrine disrupting chemicals. <i>Toxicology and Applied Pharmacology</i> , 2010, 249, 33-40.	2.8	6
75	Essential oils disrupt steroidogenesis in a feto-placental co-culture model. <i>Reproductive Toxicology</i> , 2019, 90, 33-43.	2.9	4
76	An Electrical Impedance-Based Assay to Examine Functions of Various Placental Cell Types In Vitro. <i>Methods in Molecular Biology</i> , 2018, 1710, 267-276.	0.9	3
77	Co-culture of H295R Adrenocortical Carcinoma and BeWo Choriocarcinoma Cells to Study Feto-placental Interactions: Focus on Estrogen Biosynthesis. <i>Methods in Molecular Biology</i> , 2018, 1710, 295-304.	0.9	3
78	Evaluating the effects on steroidogenesis of estragole and trans-anethole in a feto-placental co-culture model. <i>Molecular and Cellular Endocrinology</i> , 2019, 498, 110583.	3.2	3
79	Disruptors of Androgen Action and Synthesis. , 2015, , 75-90.		0
80	Disruptors of Androgen Action and Synthesis. , 2015, , 89-104.		0