

# 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	Towards regulation of Endocrine Disrupting chemicals (EDCs) in water resources using bioassays – A guide to developing a testing strategy. <i>Environmental Research</i> , 2022, 205, 112483.	7.5	30
2	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
3	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
4	Essential oils disrupt steroidogenesis in a fetoplacental co-culture model. <i>Reproductive Toxicology</i> , 2019, 90, 33-43.	2.9	4
5	Serotonin and serotonin reuptake inhibitors alter placental aromatase. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 195, 105470.	2.5	11
6	Evaluating the effects on steroidogenesis of estragole and trans-anethole in a fetoplacental co-culture model. <i>Molecular and Cellular Endocrinology</i> , 2019, 498, 110583.	3.2	3
7	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
8	Serotonin-estrogen interactions: What can we learn from pregnancy?. <i>Biochimie</i> , 2019, 161, 88-108.	2.6	33
9	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
10	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
11	Autophagy inhibition improves the chemotherapeutic efficacy of cruciferous vegetable-derived diindolymethane in a murine prostate cancer xenograft model. <i>Investigational New Drugs</i> , 2018, 36, 718-725.	2.6	7
12	Isolation and Purification of Villous Cytotrophoblast Cells from Term Human Placenta. <i>Methods in Molecular Biology</i> , 2018, 1710, 219-231.	0.9	10
13	An Electrical Impedance-Based Assay to Examine Functions of Various Placental Cell Types <i>In Vitro</i> . <i>Methods in Molecular Biology</i> , 2018, 1710, 267-276.	0.9	3
14	Co-culture of H295R Adrenocortical Carcinoma and BeWo Choriocarcinoma Cells to Study Fetoplacental Interactions: Focus on Estrogen Biosynthesis. <i>Methods in Molecular Biology</i> , 2018, 1710, 295-304.	0.9	3
15	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
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	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
18	Diindolymethane 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

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19	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
20	Human placenta expresses both peripheral and neuronal isoform of tryptophan hydroxylase. <i>Biochimie</i> , 2017, 140, 159-165.	2.6	46
21	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
22	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
23	Lithocholic acid induces endoplasmic reticulum stress, autophagy and mitochondrial dysfunction in human prostate cancer cells. <i>PeerJ</i> , 2016, 4, e2445.	2.0	52
24	Disruptors of Androgen Action and Synthesis. , 2015, , 75-90.		0
25	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
26	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
27	Antiandrogenic Mechanisms of Pesticides in Human LNCaP Prostate and H295R Adrenocortical Carcinoma Cells. <i>Toxicological Sciences</i> , 2015, 143, 126-135.	3.1	22
28	3,3- <sup>TM</sup> -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
29	Disruptors of Androgen Action and Synthesis. , 2015, , 89-104.		0
30	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
31	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
32	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
33	Jacaric acid and its octadecatrienoic acid geoisomers induce apoptosis selectively in cancerous human prostate cells: a mechanistic and 3-D structure-activity study. <i>Phytomedicine</i> , 2013, 20, 734-742.	5.3	33
34	Bile acids induce apoptosis selectively in androgen-dependent and -independent prostate cancer cells. <i>PeerJ</i> , 2013, 1, e122.	2.0	71
35	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
36	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

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37	Antiandrogenic and growth inhibitory effects of ring-substituted analogs of 3,3'-diindolylmethane (Ring-DIMs) in hormone-responsive LNCaP human prostate cancer cells. <i>Prostate</i> , 2011, 71, 1401-1412.	2.3	36
38	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
39	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
40	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
41	Placental and Fetal Steroidogenesis. <i>Methods in Molecular Biology</i> , 2009, 550, 127-136.	0.9	18
42	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
43	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
44	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
45	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
46	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
47	The Steroid Hormone Biosynthesis Pathway as a Target for Endocrine-Disrupting Chemicals. <i>Toxicological Sciences</i> , 2006, 94, 3-21.	3.1	431
48	Antagonism of TCDD-induced ethoxyresorufin-O-deethylase 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
49	The H295R system for evaluation of endocrine-disrupting effects. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 293-305.	6.0	86
50	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
51	INDUCTION OF ETHOXY-RESORUFIN-O-DEETHYLASE ACTIVITY BY HALOGENATED AROMATIC HYDROCARBONS AND POLYCYCLIC AROMATIC HYDROCARBONS IN PRIMARY HEPATOCYTES OF THE GREEN FROG ( <i>RANA</i> ) <i>Tj ETQq14:0.784310 rgBT /Dv</i>		
52	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
53	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
54	Effects of bisphenol A-related diphenylalkanes on vitellogenin production in male carp ( <i>Cyprinus</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6</i> <i>Toxicology and Applied Pharmacology</i> , 2005, 209, 95-104.	2.8	28



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73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	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