## 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. Environmental Research, 2022, 205, 112483.	<b>7.</b> 5	30
2	Development of an estrogen-dependent breast cancer co-culture model as a tool for studying endocrine disruptors. Toxicology in Vitro, 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. European Journal of Medicinal Chemistry, 2020, 188, 112030.	5.5	31
4	Essential oils disrupt steroidogenesis in a feto-placental co-culture model. Reproductive Toxicology, 2019, 90, 33-43.	2.9	4
5	Serotonin and serotonin reuptake inhibitors alter placental aromatase. Journal of Steroid Biochemistry and Molecular Biology, 2019, 195, 105470.	2.5	11
6	Evaluating the effects on steroidogenesis of estragole and trans-anethole in a feto-placental co-culture model. Molecular and Cellular Endocrinology, 2019, 498, 110583.	3.2	3
7	Organoruthenium(II) Complexes Bearing an Aromatase Inhibitor: Synthesis, Characterization, <i>in Vitro</i> i> Biological Activity and <i>in Vivo</i> Toxicity in Zebrafish Embryos. Organometallics, 2019, 38, 702-711.	2.3	28
8	Serotonin-estrogen interactions: What can we learn from pregnancy?. Biochimie, 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. Biochimie, 2018, 148, 12-17.	2.6	8
10	Effects of selective serotonin-reuptake inhibitors (SSRIs) on human villous trophoblasts syncytialization. Toxicology and Applied Pharmacology, 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. Investigational New Drugs, 2018, 36, 718-725.	2.6	7
12	Isolation and Purification of Villous Cytotrophoblast Cells from Term Human Placenta. Methods in Molecular Biology, 2018, 1710, 219-231.	0.9	10
13	An Electrical Impedance-Based Assay to Examine Functions of Various Placental Cell Types In Vitro. Methods in Molecular Biology, 2018, 1710, 267-276.	0.9	3
14	Co-culture of H295R Adrenocortical Carcinoma and BeWo Choriocarcinoma Cells to Study Feto-placental Interactions: Focus on Estrogen Biosynthesis. Methods in Molecular Biology, 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. Placenta, 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. Environmental Health Perspectives, 2018, 126, 047014.	6.0	73
17	Fluoxetine and its active metabolite norfluoxetine disrupt estrogen synthesis in a co-culture model of the feto-placental unit. Molecular and Cellular Endocrinology, 2017, 442, 32-39.	3.2	30
18	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). Cellular Signalling, 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. Toxicology and Applied Pharmacology, 2017, 332, 15-24.	2.8	60
20	Human placenta expresses both peripheral and neuronal isoform of tryptophan hydroxylase. Biochimie, 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. Journal of Visualized Experiments, 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. Toxicological Sciences, 2016, 149, 134-144.	3.1	56
23	Lithocholic acid induces endoplasmic reticulum stress, autophagy and mitochondrial dysfunction in human prostate cancer cells. PeerJ, 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. Carcinogenesis, 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. Carcinogenesis, 2015, 36, S38-S60.	2.8	32
27	Antiandrogenic Mechanisms of Pesticides in Human LNCaP Prostate and H295R Adrenocortical Carcinoma Cells. Toxicological Sciences, 2015, 143, 126-135.	3.1	22
28	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. Genes and Cancer, 2015, 6, 265-280.	1.9	10
29	Disruptors of Androgen Action and Synthesis. , 2015, , 89-104.		O
30	A Unique Co-culture Model for Fundamental and Applied Studies of Human Fetoplacental Steroidogenesis and Interference by Environmental Chemicals. Environmental Health Perspectives, 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. Investigational New Drugs, 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. Bioorganic and Medicinal Chemistry, 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. Phytomedicine, 2013, 20, 734-742.	5.3	33
34	Bile acids induce apoptosis selectively in androgen-dependent and -independent prostate cancer cells. PeerJ, 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. Placenta, 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. Chemico-Biological Interactions, 2011, 189, 177-185.	4.0	17

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37	Antiandrogenic and growth inhibitory effects of ringâ€substituted analogs of 3,3′â€diindolylmethane (Ringâ€DIMs) in hormoneâ€responsive LNCaP human prostate cancer cells. Prostate, 2011, 71, 1401-1412.	2.3	36
38	The 5-HT2A serotonin receptor enhances cell viability, affects cell cycle progression and activates MEK–ERK1/2 and JAK2–STAT3 signalling pathways in human choriocarcinoma cell lines. Placenta, 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. Toxicology and Applied Pharmacology, 2010, 249, 33-40.	2.8	6
40	Growth Inhibitory, Antiandrogenic, and Pro-apoptotic Effects of Punicic Acid in LNCaP Human Prostate Cancer Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 12149-12156.	5.2	60
41	Placental and Fetal Steroidogenesis. Methods in Molecular Biology, 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. European Journal of Pharmacology, 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. Journal of Agricultural and Food Chemistry, 2008, 56, 4855-4873.	<b>5.2</b>	387
44	Mixture effects of estrogenic compounds on proliferation and pS2 expression of MCF-7 human breast cancer cells. Food and Chemical Toxicology, 2007, 45, 2319-2330.	3.6	54
45	Suppression of aromatase activity in populations of bream (Abramis brama) from the river Elbe, Germany. Chemosphere, 2007, 66, 542-552.	8.2	27
46	Estrogenic effects of mixtures of phyto- and synthetic chemicals on uterine growth of prepubertal rats. Toxicology Letters, 2007, 170, 165-176.	0.8	32
47	The Steroid Hormone Biosynthesis Pathway as a Target for Endocrine-Disrupting Chemicals. Toxicological Sciences, 2006, 94, 3-21.	3.1	431
48	Antagonism of TCDD-induced ethoxyresorufin-O-deethylation activity by polybrominated diphenyl ethers (PBDEs) in primary cynomolgus monkey (Macaca fascicularis) hepatocytes. Toxicology Letters, 2006, 164, 123-132.	0.8	30
49	The H295R system for evaluation of endocrine-disrupting effects. Ecotoxicology and Environmental Safety, 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?. Toxicology and Applied Pharmacology, 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 (RANA) TJ ETQq1	l <b>4. 3</b> 0. 7843	<b>1⊕</b> rgBT / <mark>○</mark> \
52	Inhibition of aromatase activity by methyl sulfonyl PCB metabolites in primary culture of human mammary fibroblasts. Toxicology and Applied Pharmacology, 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. Toxicology and Applied Pharmacology, 2005, 208, 170-177.	2.8	119
54	Effects of bisphenol A-related diphenylalkanes on vitellogenin production in male carp (Cyprinus) Tj ETQq0 0 0 rgB Toxicology and Applied Pharmacology, 2005, 209, 95-104.	T /Overloc 2.8	k 10 Tf 50 6 28

Toxicology and Applied Pharmacology, 2005, 209, 95-104.

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55	Impact of Polychlorinated Biphenyls Contamination on Estrogenic Activity in Human Male Serum. Environmental Health Perspectives, 2005, 113, 1277-1284.	6.0	121
56	No Effect of CYP1B1 Val432Leu Polymorphism on CYP1B1 Messenger RNA Levels in an Organochlorine-Exposed Population in Slovakia. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 755-756.	2.5	6
57	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. Toxicological Sciences, 2005, 85, 703-712.	3.1	54
58	Inhibition and Induction of Aromatase (CYP19) Activity by Brominated Flame Retardants in H295R Human Adrenocortical Carcinoma Cells. Toxicological Sciences, 2005, 88, 447-455.	3.1	132
59	Quantitative RT-PCR Methods for Evaluating Toxicant-Induced Effects on Steroidogenesis Using the H295R Cell Line. Environmental Science & Environmenta	10.0	96
60	Effects of environmental and natural estrogens on vitellogenin production in hepatocytes of the brown frog (Rana temporaria). Aquatic Toxicology, 2005, 71, 97-101.	4.0	25
61	Co-culture of Primary Human Mammary Fibroblasts and MCF-7 Cells as an In Vitro Breast Cancer Model. Toxicological Sciences, 2004, 83, 257-263.	3.1	52
62	Assessment of the Effects of Chemicals on the Expression of Ten Steroidogenic Genes in the H295R Cell Line Using Real-Time PCR. Toxicological Sciences, 2004, 81, 78-89.	3.1	159
63	Effects of Polybrominated Diphenyl Ethers on Basal and TCDD-Induced Ethoxyresorufin Activity and Cytochrome P450-1A1 Expression in MCF-7, HepG2, and H4IIE Cells. Toxicological Sciences, 2004, 82, 488-496.	3.1	83
64	Effects of Natural and Synthetic Estrogens and Various Environmental Contaminants on Vitellogenesis in Fish Primary Hepatocytes: Comparison of Bream (Abramis brama) and Carp (Cyprinus) Tj ETQqC	00 <b>2</b> 1gBT	/Owwerlock 10
65	Induction and Inhibition of Aromatase (CYP19) Activity by Natural and Synthetic Flavonoid Compounds in H295R Human Adrenocortical Carcinoma Cells. Toxicological Sciences, 2004, 82, 70-79.	3.1	128
66	Phytochemicals Inhibit Catechol-O-Methyltransferase Activity in Cytosolic Fractions from Healthy Human Mammary Tissues: Implications for Catechol Estrogen-Induced DNA Damage. Toxicological Sciences, 2004, 81, 316-324.	3.1	50
67	A comparison of human H295R and rat R2C cell lines as in vitro screening tools for effects on aromatase. Toxicology Letters, 2004, 146, 183-194.	0.8	100
68	Effects of several dioxin-like compounds on estrogen metabolism in the malignant MCF-7 and nontumorigenic MCF-10A human mammary epithelial cell lines. Toxicology and Applied Pharmacology, 2003, 190, 241-250.	2.8	47
69	Effects of 3-MeSO2-DDE and some CYP inhibitors on glucocorticoid steroidogenesis in the H295R human adrenocortical carcinoma cell line. Toxicology in Vitro, 2002, 16, 113-121.	2.4	64
70	Induction and Inhibition of Aromatase (CYP19) Activity by Various Classes of Pesticides in H295R Human Adrenocortical Carcinoma Cells. Toxicology and Applied Pharmacology, 2002, 182, 44-54.	2.8	312
71	2,3,7,8-Tetrachlorodibenzo-p-dioxin and Diindolylmethanes Differentially Induce Cytochrome P450 1A1, 1B1, and 19 in H295R Human Adrenocortical Carcinoma Cells. Toxicological Sciences, 2001, 61, 40-48.	3.1	55
72	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. Toxicology and Applied Pharmacology, 1998, 150, 106-116.	2.8	31

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73	In vitro induction of ethoxyresorufinâ€∢i>Oà€deethylase and porphyrins by halogenated aromatic hydrocarbons in avian primary hepatocytes. Environmental Toxicology and Chemistry, 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. Environmental Toxicology and Chemistry, 1998, 17, 2006.	4.3	8
75	Effects of embryonic and adult exposure to 2,3,7,8â€ŧetrachlorodibenzoâ€∢i>pàâ€dioxin on hepatic microsomal testosterone hydroxylase activities in great blue herons ( <i>Ardea herodias</i> ). Environmental Toxicology and Chemistry, 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. Toxicology and Applied Pharmacology, 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. Toxicology and Applied Pharmacology, 1995, 132, 131-145.	2.8	64
78	Monitoring biological effects of polychlorinated dibenzoâ€pâ€dioxins, dibenzofurans, and biphenyls in great blue heron chicks(Ardea herodias)in British Columbia. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1994, 41, 435-450.	2.3	59
79	Biological effects of polychlorinated dibenzoâ€pâ€dioxins, dibenzofurans, and biphenyls in doubleâ€crested cormorant chicks ( <i>phalacrocorax auritus</i> ). Journal of Toxicology and Environmental Health - Part A: Current Issues, 1994, 41, 247-265.	2.3	54
80	On-line system for supercritical fluid extraction and capillary gas chromatography with electron-capture detection. Journal of Chromatography A, 1989, 474, 388-395.	3.7	39