

Jason Matthews

List of Publications by Citations

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79
papers

5,157
citations

30
h-index

71
g-index

86
ext. papers

5,795
ext. citations

6.2
avg. IF

5.46
L-index

#	Paper	IF	Citations
79	Estrogen receptors: how do they signal and what are their targets. <i>Physiological Reviews</i> , 2007 , 87, 905-317.9	17.9	1266
78	Estrogen signaling: a subtle balance between ER alpha and ER beta. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2003 , 3, 281-92		625
77	In vitro and in vivo interactions of bisphenol A and its metabolite, bisphenol A glucuronide, with estrogen receptors alpha and beta. <i>Chemical Research in Toxicology</i> , 2001 , 14, 149-57	4	369
76	Differential estrogen receptor binding of estrogenic substances: a species comparison. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000 , 74, 223-34	5.1	248
75	Estrogen receptor and aryl hydrocarbon receptor signaling pathways. <i>Nuclear Receptor Signaling</i> , 2006 , 4, e016	1	178
74	Aryl hydrocarbon receptor-mediated transcription: ligand-dependent recruitment of estrogen receptor alpha to 2,3,7,8-tetrachlorodibenzo-p-dioxin-responsive promoters. <i>Molecular and Cellular Biology</i> , 2005 , 25, 5317-28	4.8	166
73	Estrogen receptor (ER) beta modulates ERalpha-mediated transcriptional activation by altering the recruitment of c-Fos and c-Jun to estrogen-responsive promoters. <i>Molecular Endocrinology</i> , 2006 , 20, 534-43		147
72	Estrogen receptor beta2 negatively regulates the transactivation of estrogen receptor alpha in human breast cancer cells. <i>Cancer Research</i> , 2007 , 67, 3955-62	10.1	123
71	The basic helix-loop-helix-PAS protein ARNT functions as a potent coactivator of estrogen receptor-dependent transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6517-22	11.5	119
70	Constitutive aryl hydrocarbon receptor signaling constrains type I interferon-mediated antiviral innate defense. <i>Nature Immunology</i> , 2016 , 17, 687-94	19.1	113
69	Interaction of PAH-related compounds with the alpha and beta isoforms of the estrogen receptor. <i>Toxicology Letters</i> , 2001 , 121, 167-77	4.4	104
68	Quantification of rainbow trout (<i>Oncorhynchus mykiss</i>) zona radiata and vitellogenin mRNA levels using real-time PCR after in vivo treatment with estradiol-17 beta or alpha-zearalenol. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000 , 75, 109-19	5.1	94
67	2,3,7,8-Tetrachlorodibenzo-p-dioxin poly(ADP-ribose) polymerase (TiPARP, ARTD14) is a mono-ADP-ribosyltransferase and repressor of aryl hydrocarbon receptor transactivation. <i>Nucleic Acids Research</i> , 2013 , 41, 1604-21	20.1	85
66	High-resolution genome-wide mapping of AHR and ARNT binding sites by ChIP-Seq. <i>Toxicological Sciences</i> , 2012 , 130, 349-61	4.4	84
65	Integration of genome-wide computation DRE search, AhR ChIP-chip and gene expression analyses of TCDD-elicited responses in the mouse liver. <i>BMC Genomics</i> , 2011 , 12, 365	4.5	83
64	Hydroxylated benzo[a]pyrene metabolites are responsible for in vitro estrogen receptor-mediated gene expression induced by benzo[a]pyrene, but do not elicit uterotrophic effects in vivo. <i>Toxicological Sciences</i> , 2001 , 59, 231-40	4.4	63
63	Dioxin increases the interaction between aryl hydrocarbon receptor and estrogen receptor alpha at human promoters. <i>Toxicological Sciences</i> , 2009 , 111, 254-66	4.4	61

62	Distribution of androgen receptor mRNA expression and immunoreactivity in the brain of the green anole lizard. <i>Journal of Neuroendocrinology</i> , 2002 , 14, 19-28	3.8	56
61	Inhibition of aryl hydrocarbon receptor-dependent transcription by resveratrol or kaempferol is independent of estrogen receptor expression in human breast cancer cells. <i>Cancer Letters</i> , 2010 , 299, 119-29	9.9	46
60	Co-planar 3,3',4,4',5-pentachlorinated biphenyl and non-co-planar 2,2',4,6,6'-pentachlorinated biphenyl differentially induce recruitment of oestrogen receptor alpha to aryl hydrocarbon receptor target genes. <i>Biochemical Journal</i> , 2007 , 406, 343-53	3.8	41
59	Estrogen receptor subtype- and promoter-specific modulation of aryl hydrocarbon receptor-dependent transcription. <i>Molecular Cancer Research</i> , 2009 , 7, 977-86	6.6	40
58	EID3 is a novel EID family member and an inhibitor of CBP-dependent co-activation. <i>Nucleic Acids Research</i> , 2005 , 33, 3561-9	20.1	40
57	Aryl hydrocarbon receptor repressor and TipARP (ARTD14) use similar, but also distinct mechanisms to repress aryl hydrocarbon receptor signaling. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 7939-57	6.3	38
56	Aryl hydrocarbon receptor-dependent induction of flavin-containing monooxygenase mRNAs in mouse liver. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 2499-505	4	38
55	Loss of the Mono-ADP-ribosyltransferase, Tiparp, Increases Sensitivity to Dioxin-induced Steatohepatitis and Lethality. <i>Journal of Biological Chemistry</i> , 2015 , 290, 16824-40	5.4	37
54	Deoxyribonucleic acid response element-dependent regulation of transcription by orphan nuclear receptor estrogen receptor-related receptor gamma. <i>Molecular Endocrinology</i> , 2004 , 18, 312-25		37
53	The aryl hydrocarbon receptor and estrogen receptor alpha differentially modulate nuclear factor erythroid-2-related factor 2 transactivation in MCF-7 breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2013 , 270, 139-48	4.6	33
52	Dose-Dependent Metabolic Reprogramming and Differential Gene Expression in TCDD-Elicited Hepatic Fibrosis. <i>Toxicological Sciences</i> , 2016 , 154, 253-266	4.4	33
51	Liver X receptor regulates hepatic nuclear O-GlcNAc signaling and carbohydrate responsive element-binding protein activity. <i>Journal of Lipid Research</i> , 2015 , 56, 771-85	6.3	32
50	Aryl hydrocarbon receptor-dependent regulation of miR-196a expression controls lung fibroblast apoptosis but not proliferation. <i>Toxicology and Applied Pharmacology</i> , 2014 , 280, 511-25	4.6	32
49	Estrogen receptor-dependent regulation of CYP2B6 in human breast cancer cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2010 , 1799, 469-79	6	30
48	Flavin-containing monooxygenase-3: induction by 3-methylcholanthrene and complex regulation by xenobiotic chemicals in hepatoma cells and mouse liver. <i>Toxicology and Applied Pharmacology</i> , 2010 , 247, 60-9	4.6	30
47	Estrogen receptor-alpha regulates SOCS-3 expression in human breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 335, 168-74	3.4	30
46	Ability of structurally diverse natural products and synthetic chemicals to induce gene expression mediated by estrogen receptors from various species. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002 , 82, 181-94	5.1	30
45	TCDD-inducible poly-ADP-ribose polymerase (TipARP/PARP7) mono-ADP-ribosylates and co-activates liver X receptors. <i>Biochemical Journal</i> , 2016 , 473, 899-910	3.8	30

44	ADP-ribosyltransferases, an update on function and nomenclature. <i>FEBS Journal</i> , 2021 ,	5.7	30
43	Aryl hydrocarbon receptor (AhR)-dependent regulation of pulmonary miRNA by chronic cigarette smoke exposure. <i>Scientific Reports</i> , 2017 , 7, 40539	4.9	29
42	The aryl hydrocarbon receptor suppresses cigarette-smoke-induced oxidative stress in association with dioxin response element (DRE)-independent regulation of sulfiredoxin 1. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 342-57	7.8	27
41	In silico approaches to mechanistic and predictive toxicology: an introduction to bioinformatics for toxicologists. <i>Critical Reviews in Toxicology</i> , 2002 , 32, 67-112	5.7	26
40	Pyruvate Kinase Isoform Switching and Hepatic Metabolic Reprogramming by the Environmental Contaminant 2,3,7,8-Tetrachlorodibenzo-p-Dioxin. <i>Toxicological Sciences</i> , 2016 , 149, 358-71	4.4	25
39	3-methylcholanthrene induces differential recruitment of aryl hydrocarbon receptor to human promoters. <i>Toxicological Sciences</i> , 2010 , 117, 90-100	4.4	25
38	Functional analysis of six human aryl hydrocarbon receptor variants in human breast cancer and mouse hepatoma cell lines. <i>Toxicology</i> , 2010 , 277, 59-65	4.4	25
37	FOXA1 is essential for aryl hydrocarbon receptor-dependent regulation of cyclin G2. <i>Molecular Cancer Research</i> , 2012 , 10, 636-48	6.6	24
36	Characterization of TCDD-inducible poly-ADP-ribose polymerase (TIPARP/ARTD14) catalytic activity. <i>Biochemical Journal</i> , 2018 , 475, 3827-3846	3.8	23
35	The Ah receptor inhibits estrogen-induced estrogen receptor beta in breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 320, 76-82	3.4	21
34	Aryl Hydrocarbon Receptor-Dependent Metabolism Plays a Significant Role in Estrogen-Like Effects of Polycyclic Aromatic Hydrocarbons on Cell Proliferation. <i>Toxicological Sciences</i> , 2018 , 165, 447-461	4.4	21
33	Genome-wide mapping and analysis of aryl hydrocarbon receptor (AHR)- and aryl hydrocarbon receptor repressor (AHRR)-binding sites in human breast cancer cells. <i>Archives of Toxicology</i> , 2018 , 92, 225-240	5.8	20
32	Identification of aryl hydrocarbon receptor binding targets in mouse hepatic tissue treated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 2011 , 257, 38-47	4.6	20
31	Convergence of hepcidin deficiency, systemic iron overloading, heme accumulation, and REV-ERB β activation in aryl hydrocarbon receptor-elicited hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2017 , 321, 1-17	4.6	19
30	Zinc finger nuclease-mediated knockout of AHR or ARNT in human breast cancer cells abolishes basal and ligand-dependent regulation of CYP1B1 and differentially affects estrogen receptor α transactivation. <i>Toxicological Sciences</i> , 2014 , 138, 89-103	4.4	19
29	Effects of antioxidant-rich foods on altitude-induced oxidative stress and inflammation in elite endurance athletes: A randomized controlled trial. <i>PLoS ONE</i> , 2019 , 14, e0217895	3.7	18
28	Chemical genetics and proteome-wide site mapping reveal cysteine MARYlation by PARP-7 on immune-relevant protein targets. <i>ELife</i> , 2021 , 10,	8.9	18
27	Reciprocal mutagenesis between human alpha(L349, M528) and rainbow trout (M317, I496) estrogen receptor residues demonstrates their importance in ligand binding and gene expression at different temperatures. <i>Molecular and Cellular Endocrinology</i> , 2001 , 183, 127-39	4.4	17

26	Induction of multidrug resistance transporter ABCG2 by prolactin in human breast cancer cells. <i>Molecular Pharmacology</i> , 2013 , 83, 377-88	4.3	16
25	Hepatocyte-Specific Deletion of TIPARP, a Negative Regulator of the Aryl Hydrocarbon Receptor, Is Sufficient to Increase Sensitivity to Dioxin-Induced Wasting Syndrome. <i>Toxicological Sciences</i> , 2018 , 165, 347-360	4.4	15
24	DNA methylation repels binding of hypoxia-inducible transcription factors to maintain tumor immunotolerance. <i>Genome Biology</i> , 2020 , 21, 182	18.3	13
23	LXR Regulates Hepatic ChREBP Activity and Lipogenesis upon Glucose, but Not Fructose Feeding in Mice. <i>Nutrients</i> , 2017 , 9,	6.7	12
22	A new class of estrogen receptor beta-selective activators. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2010 , 10, 133-6		12
21	The aryl hydrocarbon receptor regulates the expression of TIPARP and its cis long non-coding RNA, TIPARP-AS1. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 2356-2362	3.4	11
20	Activation function 2 mediates dioxin-induced recruitment of estrogen receptor alpha to CYP1A1 and CYP1B1. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 385, 263-8	3.4	11
19	Differential ligand-dependent activation and a role for Y322 in aryl hydrocarbon receptor-mediated regulation of gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 410, 859-65	3.4	10
18	AHR toxicity and signaling: Role of TIPARP and ADP-ribosylation. <i>Current Opinion in Toxicology</i> , 2017 , 2, 50-57	4.4	9
17	Low levels of the AhR in chronic obstructive pulmonary disease (COPD)-derived lung cells increases COX-2 protein by altering mRNA stability. <i>PLoS ONE</i> , 2017 , 12, e0180881	3.7	7
16	PARP7 and Mono-ADP-Ribosylation Negatively Regulate Estrogen Receptor Signaling in Human Breast Cancer Cells. <i>Cells</i> , 2021 , 10,	7.9	7
15	Characterization of Epigenetic Histone Activation/Repression Marks in Sequences of Genes by Chromatin Immunoprecipitation-Quantitative Polymerase Chain Reaction (ChIP-qPCR). <i>Methods in Molecular Biology</i> , 2019 , 1965, 389-403	1.4	6
14	3-Methylcholanthrene Induces Chylous Ascites in TCDD-Inducible Poly-ADP-Ribose Polymerase () Knockout Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
13	Environmental six-ring polycyclic aromatic hydrocarbons are potent inducers of the AhR-dependent signaling in human cells. <i>Environmental Pollution</i> , 2020 , 266, 115125	9.3	5
12	Molecular modelling, synthesis, and biological evaluations of a 3,5-disubstituted isoxazole fatty acid analogue as a PPAR-selective agonist. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 4059-4068	3.4	4
11	The human RAP250 gene: genomic structure and promoter analysis. <i>Gene</i> , 2004 , 327, 233-8	3.8	4
10	Loss of Tiparp Results in Aberrant Layering of the Cerebral Cortex. <i>ENeuro</i> , 2019 , 6,	3.9	4
9	The aryl hydrocarbon receptor reduces LC3II expression and controls endoplasmic reticulum stress. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L339-L355	5.8	4

8	Methods to Study TCDD-Inducible Poly-ADP-Ribose Polymerase (TIPARP) Mono-ADP-Ribosyltransferase Activity. <i>Methods in Molecular Biology</i> , 2018 , 1813, 109-124	1.4	3
7	LXR β Regulates ChREBP β Transactivity in a Target Gene-Specific Manner through an Agonist-Modulated LBD-LID Interaction. <i>Cells</i> , 2020 , 9,	7.9	2
6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) alters hepatic polyunsaturated fatty acid metabolism and eicosanoid biosynthesis in female Sprague-Dawley rats. <i>Toxicology and Applied Pharmacology</i> , 2020 , 398, 115034	4.6	2
5	Alternative Negative Feedback Control in the Aryl Hydrocarbon Receptor Signaling Pathway. <i>Journal of Drug Metabolism & Toxicology</i> , 2013 , 04,		2
4	AHR- and ER-Mediated Toxicology and Chemoprevention. <i>Advances in Molecular Toxicology</i> , 2013 , 1-38	0.4	2
3	Shared epitope is associated with the reactivity of Th17 cells to cigarette smoke extract regardless of smoking history. <i>Cellular and Molecular Immunology</i> , 2019 , 16, 674-675	15.4	1
2	2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)-Inducible Poly-ADP-Ribose Polymerase (TIPARP/PARP7) Catalytic Mutant Mice (TiparpH532A) Exhibit Increased Sensitivity to TCDD-Induced Hepatotoxicity and Lethality. <i>Toxicological Sciences</i> , 2021 , 183, 154-169	4.4	1
1	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases.. <i>Environmental Epidemiology</i> , 2022 , 6, e184	0.2	1