

J Christopher Corton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85 papers	3,382 citations	32 h-index	57 g-index
90 ext. papers	3,848 ext. citations	4.2 avg, IF	5.23 L-index

#	Paper	IF	Citations
85	A gene expression biomarker for predictive toxicology to identify chemical modulators of NF-B.. <i>PLoS ONE</i> , 2022 , 17, e0261854	3.7	0
84	Genomic comparisons between hepatocarcinogenic and non-hepatocarcinogenic organophosphate insecticides in the mouse liver. <i>Toxicology</i> , 2021 , 465, 153046	4.4	1
83	Expression of cytochrome P450 isozyme transcripts and activities in human livers. <i>Xenobiotica</i> , 2021 , 51, 279-286	2	8
82	Development and validation of the TGx-HDACi transcriptomic biomarker to detect histone deacetylase inhibitors in human TK6 cells. <i>Archives of Toxicology</i> , 2021 , 95, 1631-1645	5.8	2
81	A Gene Expression Biomarker Predicts Heat Shock Factor 1 Activation in a Gene Expression Compendium. <i>Chemical Research in Toxicology</i> , 2021 , 34, 1721-1737	4	0
80	Why is elevation of serum cholesterol associated with exposure to perfluoroalkyl substances (PFAS) in humans? A workshop report on potential mechanisms. <i>Toxicology</i> , 2021 , 459, 152845	4.4	2
79	Sex-, Age-, and Race/Ethnicity-Dependent Variations in Drug-Processing and NRF2-Regulated Genes in Human Livers. <i>Drug Metabolism and Disposition</i> , 2021 , 49, 111-119	4	3
78	A Gene Expression Biomarker Identifies Chemical Modulators of Estrogen Receptor In an MCF-7 Microarray Compendium. <i>Chemical Research in Toxicology</i> , 2021 , 34, 313-329	4	2
77	Identification of novel activators of the metal responsive transcription factor (MTF-1) using a gene expression biomarker in a microarray compendium. <i>Metallomics</i> , 2020 , 12, 1400-1415	4.5	4
76	Transplacental arsenic exposure produced 5-methylcytosine methylation changes and aberrant microRNA expressions in livers of male fetal mice. <i>Toxicology</i> , 2020 , 435, 152409	4.4	6
75	Mining a human transcriptome database for chemical modulators of NRF2. <i>PLoS ONE</i> , 2020 , 15, e0239367	3.7	8
74	Thresholds Derived From Common Measures in Rat Studies Are Predictive of Liver Tumorigenic Chemicals. <i>Toxicologic Pathology</i> , 2020 , 48, 857-874	2.1	1
73	A set of six Gene expression biomarkers and their thresholds identify rat liver tumorigens in short-term assays. <i>Toxicology</i> , 2020 , 443, 152547	4.4	2
72	A Set of Six Gene Expression Biomarkers Identify Rat Liver Tumorigens in Short-term Assays. <i>Toxicological Sciences</i> , 2020 , 177, 11-26	4.4	8
71	Gene Expression Thresholds Derived From Short-term Exposures Identify Rat Liver Tumorigens. <i>Toxicological Sciences</i> , 2020 , 177, 41-59	4.4	2
70	Mining a human transcriptome database for chemical modulators of NRF2 2020 , 15, e0239367		
69	Mining a human transcriptome database for chemical modulators of NRF2 2020 , 15, e0239367		

68	Mining a human transcriptome database for chemical modulators of NRF2 2020 , 15, e0239367		
67	Mining a human transcriptome database for chemical modulators of NRF2 2020 , 15, e0239367		
66	Mining a human transcriptome database for chemical modulators of NRF2 2020 , 15, e0239367		
65	Mining a human transcriptome database for chemical modulators of NRF2 2020 , 15, e0239367		
64	Assessment of the performance of the TGx-DDI biomarker to detect DNA damage-inducing agents using quantitative RT-PCR in TK6 cells. <i>Environmental and Molecular Mutagenesis</i> , 2019 , 60, 122-133	3.2	14
63	Hepatic carboxylesterases are differentially regulated in PPAR δ null mice treated with perfluorooctanoic acid. <i>Toxicology</i> , 2019 , 416, 15-22	4.4	9
62	Frequent Modulation of the Sterol Regulatory Element Binding Protein (SREBP) by Chemical Exposure in the Livers of Rats. <i>Computational Toxicology</i> , 2019 , 10, 113-129	3.1	3
61	A gene expression biomarker identifies factors that modulate sterol regulatory element binding protein. <i>Computational Toxicology</i> , 2019 , 10, 63-77	3.1	5
60	Identification of p53 Activators in a Human Microarray Compendium. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1748-1759	4	4
59	Integrating gene expression biomarker predictions into networks of adverse outcome pathways. <i>Current Opinion in Toxicology</i> , 2019 , 18, 54-61	4.4	3
58	Identification of potential endocrine disrupting chemicals using gene expression biomarkers. <i>Toxicology and Applied Pharmacology</i> , 2019 , 380, 114683	4.6	18
57	Chemical Activation of the Constitutive Androstane Receptor Leads to Activation of Oxidant-Induced Nrf2. <i>Toxicological Sciences</i> , 2019 , 167, 172-189	4.4	20
56	The PPAR δ -dependent rodent liver tumor response is not relevant to humans: addressing misconceptions. <i>Archives of Toxicology</i> , 2018 , 92, 83-119	5.8	73
55	Identification of Androgen Receptor Modulators in a Prostate Cancer Cell Line Microarray Compendium. <i>Toxicological Sciences</i> , 2018 , 166, 146-162	4.4	14
54	Adverse outcome pathway-driven identification of rat liver tumorigens in short-term assays. <i>Toxicology and Applied Pharmacology</i> , 2018 , 356, 99-113	4.6	23
53	Activation of Nrf2 in the liver is associated with stress resistance mediated by suppression of the growth hormone-regulated STAT5b transcription factor. <i>PLoS ONE</i> , 2018 , 13, e0200004	3.7	26
52	Human relevance of rodent liver tumors: Key insights from a Toxicology Forum workshop on nongenotoxic modes of action. <i>Regulatory Toxicology and Pharmacology</i> , 2018 , 92, 1-7	3.4	36
51	Using a gene expression biomarker to identify DNA damage-inducing agents in microarray profiles. <i>Environmental and Molecular Mutagenesis</i> , 2018 , 59, 772-784	3.2	22

50	Perfluoroalkyl acids-induced liver steatosis: Effects on genes controlling lipid homeostasis. <i>Toxicology</i> , 2017 , 378, 37-52	4.4	98
49	Editor's Highlight: Transcriptome Profiling Reveals Bisphenol A Alternatives Activate Estrogen Receptor Alpha in Human Breast Cancer Cells. <i>Toxicological Sciences</i> , 2017 , 158, 431-443	4.4	60
48	PPAR γ -Independent transcriptional targets of perfluoroalkyl acids revealed by transcript profiling. <i>Toxicology</i> , 2017 , 387, 95-107	4.4	88
47	Compensatory changes in CYP expression in three different toxicology mouse models: CAR-null, Cyp3a-null, and Cyp2b9/10/13-null mice. <i>PLoS ONE</i> , 2017 , 12, e0174355	3.7	23
46	From the Cover: Genomic Effects of Androstenedione and Sex-Specific Liver Cancer Susceptibility in Mice. <i>Toxicological Sciences</i> , 2017 , 160, 15-29	4.4	10
45	Evaluation of estrogen receptor alpha activation by glyphosate-based herbicide constituents. <i>Food and Chemical Toxicology</i> , 2017 , 108, 30-42	4.7	79
44	Editor's Highlight: Negative Predictors of Carcinogenicity for Environmental Chemicals. <i>Toxicological Sciences</i> , 2017 , 155, 157-169	4.4	10
43	Moving Toward Integrating Gene Expression Profiling Into High-Throughput Testing: A Gene Expression Biomarker Accurately Predicts Estrogen Receptor β Modulation in a Microarray Compendium. <i>Toxicological Sciences</i> , 2016 , 151, 88-103	4.4	32
42	Dose and Effect Thresholds for Early Key Events in a PPAR γ -Mediated Mode of Action. <i>Toxicological Sciences</i> , 2016 , 149, 312-25	4.4	20
41	Disruption of STAT5b-Regulated Sexual Dimorphism of the Liver Transcriptome by Diverse Factors Is a Common Event. <i>PLoS ONE</i> , 2016 , 11, e0148308	3.7	35
40	Chemical and Hormonal Effects on STAT5b-Dependent Sexual Dimorphism of the Liver Transcriptome. <i>PLoS ONE</i> , 2016 , 11, e0150284	3.7	29
39	Screening a mouse liver gene expression compendium identifies modulators of the aryl hydrocarbon receptor (AhR). <i>Toxicology</i> , 2015 , 336, 99-112	4.4	39
38	Identification of modulators of the nuclear receptor peroxisome proliferator-activated receptor γ (PPAR γ) in a mouse liver gene expression compendium. <i>PLoS ONE</i> , 2015 , 10, e0112655	3.7	49
37	Identification of chemical modulators of the constitutive activated receptor (CAR) in a gene expression compendium. <i>Nuclear Receptor Signaling</i> , 2015 , 13, e002	1	61
36	Mode of action framework analysis for receptor-mediated toxicity: The peroxisome proliferator-activated receptor alpha (PPAR α) as a case study. <i>Critical Reviews in Toxicology</i> , 2014 , 44, 1-49	5.7	158
35	Comparative time course profiles of phthalate stereoisomers in mice. <i>Toxicological Sciences</i> , 2014 , 139, 21-34	4.4	20
34	Sources of variance in baseline gene expression in the rodent liver. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 746, 104-12	3	15
33	Meta-analysis of gene expression in the mouse liver reveals biomarkers associated with inflammation increased early during aging. <i>Mechanisms of Ageing and Development</i> , 2012 , 133, 467-78	5.6	28

32	Hepatic xenobiotic metabolizing enzyme and transporter gene expression through the life stages of the mouse. <i>PLoS ONE</i> , 2011 , 6, e24381	3-7	27
31	Mode of Action Analysis and Human Relevance of Liver Tumors Induced by PPAR α Activation 2010 , 439-481		2
30	Characterization of peroxisome proliferator-activated receptor alpha--independent effects of PPARalpha activators in the rodent liver: di-(2-ethylhexyl) phthalate also activates the constitutive-activated receptor. <i>Toxicological Sciences</i> , 2010 , 113, 45-59	4-4	56
29	Regulation of Proteome Maintenance Gene Expression by Activators of Peroxisome Proliferator-Activated Receptor α <i>PPAR Research</i> , 2010 , 2010, 727194	4-3	10
28	Gene Expression Profiling in Wild-Type and PPAR α Null Mice Exposed to Perfluorooctane Sulfonate Reveals PPAR α Independent Effects. <i>PPAR Research</i> , 2010 , 2010,	4-3	75
27	Analysis of the heat shock response in mouse liver reveals transcriptional dependence on the nuclear receptor peroxisome proliferator-activated receptor alpha (PPARalpha). <i>BMC Genomics</i> , 2010 , 11, 16	4-5	25
26	Does exposure to perfluoroalkyl acids present a risk to human health?. <i>Toxicological Sciences</i> , 2009 , 111, 1-3	4-4	31
25	Evidence for the involvement of xenobiotic-responsive nuclear receptors in transcriptional effects upon perfluoroalkyl acid exposure in diverse species. <i>Reproductive Toxicology</i> , 2009 , 27, 266-277	3-4	72
24	Transcriptional changes associated with reduced spontaneous liver tumor incidence in mice chronically exposed to high dose arsenic. <i>Toxicology</i> , 2009 , 266, 6-15	4-4	9
23	Sources of variation in baseline gene expression levels from toxicogenomics study control animals across multiple laboratories. <i>BMC Genomics</i> , 2008 , 9, 285	4-5	58
22	Evaluation of the role of peroxisome proliferator-activated receptor alpha (PPARalpha) in mouse liver tumor induction by trichloroethylene and metabolites. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 857-875	5-5	28
21	Toxicogenomic dissection of the perfluorooctanoic acid transcript profile in mouse liver: evidence for the involvement of nuclear receptors PPAR alpha and CAR. <i>Toxicological Sciences</i> , 2008 , 103, 46-56	4-4	147
20	Gene profiling in the livers of wild-type and PPARalpha-null mice exposed to perfluorooctanoic acid. <i>Toxicologic Pathology</i> , 2008 , 36, 592-607	2-1	93
19	Coordinated changes in xenobiotic metabolizing enzyme gene expression in aging male rats. <i>Toxicological Sciences</i> , 2008 , 106, 263-83	4-4	26
18	Toxicogenomic study of triazole fungicides and perfluoroalkyl acids in rat livers predicts toxicity and categorizes chemicals based on mechanisms of toxicity. <i>Toxicological Sciences</i> , 2007 , 97, 595-613	4-4	176
17	Activation of peroxisome proliferator-activated receptor alpha enhances apoptosis in the mouse liver. <i>Toxicological Sciences</i> , 2006 , 92, 368-77	4-4	21
16	Peroxisome proliferator-activated receptors: mediators of phthalate ester-induced effects in the male reproductive tract?. <i>Toxicological Sciences</i> , 2005 , 83, 4-17	4-4	131
15	Role of PPARalpha in mediating the effects of phthalates and metabolites in the liver. <i>Toxicology</i> , 2005 , 207, 149-63	4-4	126

14	Constitutive expression of peroxisome proliferator-activated receptor alpha-regulated genes in dwarf mice. <i>Molecular Pharmacology</i> , 2005 , 67, 681-94	4.3	38
13	Peroxisome proliferator-activated receptor gamma coactivator 1 in caloric restriction and other models of longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005 , 60, 1494-509	6.4	87
12	Mimetics of caloric restriction include agonists of lipid-activated nuclear receptors. <i>Journal of Biological Chemistry</i> , 2004 , 279, 46204-12	5.4	94
11	Decreased longevity and enhancement of age-dependent lesions in mice lacking the nuclear receptor peroxisome proliferator-activated receptor alpha (PPARalpha). <i>Toxicologic Pathology</i> , 2004 , 32, 591-9	2.1	51
10	Overlapping transcriptional programs regulated by the nuclear receptors peroxisome proliferator-activated receptor alpha, retinoid X receptor, and liver X receptor in mouse liver. <i>Molecular Pharmacology</i> , 2004 , 66, 1440-52	4.3	85
9	The transcriptional response to a peroxisome proliferator-activated receptor alpha agonist includes increased expression of proteome maintenance genes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 52390-8	5.4	69
8	Role of the peroxisome proliferator-activated receptor alpha (PPARalpha) in responses to trichloroethylene and metabolites, trichloroacetate and dichloroacetate in mouse liver. <i>Toxicology</i> , 2004 , 203, 83-98	4.4	42
7	Opposing mechanisms of NADPH-cytochrome P450 oxidoreductase regulation by peroxisome proliferators. <i>Biochemical Pharmacology</i> , 2003 , 65, 949-59	6	22
6	Role of the peroxisome proliferator-activated receptor alpha in responses to diisononyl phthalate. <i>Toxicology</i> , 2003 , 191, 211-25	4.4	30
5	Activation of PPAR-alpha in streptozotocin-induced diabetes is essential for resistance against acetaminophen toxicity. <i>FASEB Journal</i> , 2003 , 17, 1748-50	0.9	56
4	Delayed liver regeneration in peroxisome proliferator-activated receptor-alpha-null mice. <i>Hepatology</i> , 2002 , 36, 544-54	11.2	108
3	Central role of peroxisome proliferator-activated receptors in the actions of peroxisome proliferators. <i>Annual Review of Pharmacology and Toxicology</i> , 2000 , 40, 491-518	17.9	285
2	Down-regulation of cytochrome P450 2C family members and positive acute-phase response gene expression by peroxisome proliferator chemicals. <i>Molecular Pharmacology</i> , 1998 , 54, 463-73	4.3	96
1	Increased efficiency in screening large numbers of cDNA fragments generated by differential display. <i>BioTechniques</i> , 1997 , 22, 802-4, 806, 808 passim	2.5	22