

Craig R Tomlinson

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,557
citations

147801

31
h-index

189892

50
g-index

58
all docs

58
docs citations

58
times ranked

3677
citing authors

#	ARTICLE	IF	CITATIONS
1	Intensity-based hierarchical Bayes method improves testing for differentially expressed genes in microarray experiments. <i>BMC Bioinformatics</i> , 2006, 7, 538.	2.6	219
2	Localization of actin messenger RNA during early ascidian development. <i>Developmental Biology</i> , 1983, 99, 408-417.	2.0	197
3	Ah receptor signals cross-talk with multiple developmental pathways. <i>Biochemical Pharmacology</i> , 2005, 69, 199-207.	4.4	158
4	Conditional Activation of RET/PTC3 and BRAFV600E in Thyroid Cells Is Associated with Gene Expression Profiles that Predict a Preferential Role of BRAF in Extracellular Matrix Remodeling. <i>Cancer Research</i> , 2006, 66, 6521-6529.	0.9	129
5	Inhibition of the aryl hydrocarbon receptor prevents Western diet-induced obesity. Model for AHR activation by kynurenine via oxidized-LDL, TLR2/4, TGF β 2, and IDO1. <i>Toxicology and Applied Pharmacology</i> , 2016, 300, 13-24.	2.8	99
6	Ligand-Independent Regulation of Transforming Growth Factor β 1 Expression and Cell Cycle Progression by the Aryl Hydrocarbon Receptor. <i>Molecular and Cellular Biology</i> , 2007, 27, 6127-6139.	2.3	96
7	Expression of genes in the TGF- β 2 signaling pathway is significantly deregulated in smooth muscle cells from aorta of aryl hydrocarbon receptor knockout mice. <i>Toxicology and Applied Pharmacology</i> , 2004, 194, 79-89.	2.8	93
8	RET/PTC-induced gene expression in thyroid PCCL3 cells reveals early activation of genes involved in regulation of the immune response. <i>Endocrine-Related Cancer</i> , 2005, 12, 319-334.	3.1	81
9	MicroRNAs and regeneration: Let-7 members as potential regulators of dedifferentiation in lens and inner ear hair cell regeneration of the adult newt. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 940-945.	2.1	81
10	Microarray results improve significantly as hybridization approaches equilibrium. <i>BioTechniques</i> , 2004, 36, 790-796.	1.8	76
11	Obesity Is Mediated by Differential Aryl Hydrocarbon Receptor Signaling in Mice Fed a Western Diet. <i>Environmental Health Perspectives</i> , 2012, 120, 1252-1259.	6.0	74
12	Gene Expression Changes during the Development of Acute Lung Injury Role of Transforming Growth Factor β 2. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 1399-1411.	5.6	71
13	Obesity II: Establishing causal links between chemical exposures and obesity. <i>Biochemical Pharmacology</i> , 2022, 199, 115015.	4.4	62
14	Obesity I: Overview and molecular and biochemical mechanisms. <i>Biochemical Pharmacology</i> , 2022, 199, 115012.	4.4	60
15	Inherent and Benzo[a]pyrene-Induced Differential Aryl Hydrocarbon Receptor Signaling Greatly Affects Life Span, Atherosclerosis, Cardiac Gene Expression, and Body and Heart Growth in Mice. <i>Toxicological Sciences</i> , 2012, 126, 391-404.	3.1	58
16	Different Global Gene Expression Profiles in Benzo[a]Pyrene- and Dioxin-Treated Vascular Smooth Muscle Cells of AHR-Knockout and Wild-Type Mice. <i>Cardiovascular Toxicology</i> , 2004, 4, 47-74.	2.7	49
17	Acute Hypersensitivity of Pluripotent Testicular Cancer-Derived Embryonal Carcinoma to Low-Dose 5-Aza Deoxycytidine Is Associated with Global DNA Damage-Associated p53 Activation, Anti-Pluripotency and DNA Demethylation. <i>PLoS ONE</i> , 2012, 7, e53003.	2.5	49
18	The Role of Metallothionein in the Pathogenesis of Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 34, 73-82.	2.9	46

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19	Candidate genes controlling pulmonary function in mice: transcript profiling and predicted protein structure. <i>Physiological Genomics</i> , 2007, 31, 410-421.	2.3	45
20	Obesity and fatty liver are prevented by inhibition of the aryl hydrocarbon receptor in both female and male mice. <i>Nutrition Research</i> , 2017, 44, 38-50.	2.9	43
21	Critical regulation of genes for tumor cell migration by AP-1. <i>Clinical and Experimental Metastasis</i> , 2004, 21, 293-304.	3.3	42
22	Indoleamine 2,3-dioxygenase 1 (IDO1) inhibitors activate the aryl hydrocarbon receptor. <i>Toxicology and Applied Pharmacology</i> , 2017, 323, 74-80.	2.8	41
23	Genomic characterization of patient-derived xenograft models established from fine needle aspirate biopsies of a primary pancreatic ductal adenocarcinoma and from patient-matched metastatic sites. <i>Oncotarget</i> , 2016, 7, 17087-17102.	1.8	40
24	Temporal and spatial transcriptional regulation of the aboral ectoderm-specific spec genes during sea urchin embryogenesis. <i>Molecular Reproduction and Development</i> , 1990, 25, 328-338.	2.0	39
25	Implication of the miR-184 and miR-204 Competitive RNA Network in Control of Mouse Secondary Cataract. <i>Molecular Medicine</i> , 2012, 18, 528-538.	4.4	39
26	MicroRNA and gene expression changes in unruptured human cerebral aneurysms. <i>Journal of Neurosurgery</i> , 2016, 125, 1390-1399.	1.6	38
27	miRNAs in Newt Lens Regeneration: Specific Control of Proliferation and Evidence for miRNA Networking. <i>PLoS ONE</i> , 2010, 5, e12058.	2.5	38
28	A new method to remove hybridization bias for interspecies comparison of global gene expression profiles uncovers an association between mRNA sequence divergence and differential gene expression in <i>Xenopus</i> . <i>Nucleic Acids Research</i> , 2006, 34, 185-200.	14.5	37
29	Role for platelet-derived growth factor-like and epidermal growth factor-like signaling pathways in gastrulation and spiculogenesis in the <i>Lytechinus</i> sea urchin embryo. <i>Developmental Dynamics</i> , 1995, 204, 77-88.	1.8	32
30	An ECM-Bound, PDGF-like Growth Factor and a TGF- β -like Growth Factor Are Required for Gastrulation and Spiculogenesis in the <i>Lytechinus</i> Embryo. <i>Developmental Biology</i> , 1995, 172, 541-551.	2.0	32
31	Gene expression and discovery during lens regeneration in mouse: regulation of epithelial to mesenchymal transition and lens differentiation. <i>Molecular Vision</i> , 2006, 12, 422-40.	1.1	32
32	Microarray analysis of cytoplasmic versus whole cell RNA reveals a considerable number of missed and false positive mRNAs. <i>Rna</i> , 2009, 15, 1917-1928.	3.5	29
33	Development of a muscle actin specified by maternal and zygotic mRNA in ascidian embryos. <i>Developmental Biology</i> , 1987, 123, 470-482.	2.0	27
34	Reversal of obesity and liver steatosis in mice via inhibition of aryl hydrocarbon receptor and altered gene expression of CYP1B1, PPAR α , SCD1, and osteopontin. <i>International Journal of Obesity</i> , 2020, 44, 948-963.	3.4	27
35	Selective repression of retinoic acid target genes by RIP140 during induced tumor cell differentiation of pluripotent human embryonal carcinoma cells. <i>Molecular Cancer</i> , 2007, 6, 57.	19.2	24
36	Kynurenine-Induced Aryl Hydrocarbon Receptor Signaling in Mice Causes Body Mass Gain, Liver Steatosis, and Hyperglycemia. <i>Obesity</i> , 2021, 29, 337-349.	3.0	24

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37	A Role for <i>Saccharomyces cerevisiae</i> Chk1p in the Response to Replication Blocks. <i>Molecular Biology of the Cell</i> , 2004, 15, 4051-4063.	2.1	22
38	Gene Expression Profiles of Mouse Aorta and Cultured Vascular Smooth Muscle Cells Differ Widely, Yet Show Common Responses to Dioxin Exposure. <i>Cardiovascular Toxicology</i> , 2004, 4, 385-404.	2.7	21
39	Genome-wide analyses show that nuclear and cytoplasmic RNA levels are differentially affected by dioxin. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2006, 1759, 388-402.	2.4	20
40	Regulatory T-Cells and Associated Pathways in Metastatic Renal Cell Carcinoma (mRCC) Patients Undergoing DC-Vaccination and Cytokine-Therapy. <i>PLoS ONE</i> , 2012, 7, e46600.	2.5	20
41	The Aryl Hydrocarbon Receptor in Energy Balance: The Road from Dioxin-Induced Wasting Syndrome to Combating Obesity with Ahr Ligands. <i>International Journal of Molecular Sciences</i> , 2021, 22, 49.	4.1	20
42	Gene Expression Profile of Peripheral Blood Lymphocytes from Renal Cell Carcinoma Patients Treated with IL-2, Interferon- γ and Dendritic Cell Vaccine. <i>PLoS ONE</i> , 2012, 7, e50221.	2.5	17
43	Effects of pH on the mutagenicity of sodium azide in <i>Neurospora crassa</i> and <i>Salmonella typhimurium</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1980, 70, 179-191.	1.0	15
44	A complement receptor C5a antagonist regulates epithelial to mesenchymal transition and crystallin expression after lens cataract surgery in mice. <i>Molecular Vision</i> , 2011, 17, 949-64.	1.1	14
45	Nonredundant Functions of $\hat{1}\hat{2}$ and $\hat{3}\hat{1}$ T Cells in Acrolein-Induced Pulmonary Pathology. <i>Toxicological Sciences</i> , 2008, 105, 188-199.	3.1	11
46	Differential regulation of polysome mRNA levels in mouse Hepa-1C1C7 cells exposed to dioxin. <i>Toxicology in Vitro</i> , 2011, 25, 1457-1467.	2.4	10
47	The Yellow Crescent of Ascidian Eggs: Molecular Organization, Localization and Role in Early Development. , 1984, , 1-38.		9
48	Effect of simulated microgravity on oxidation-sensitive gene expression in PC12 cells. <i>Advances in Space Research</i> , 2006, 38, 1168-1176.	2.6	8
49	Forced swim test induces divergent global transcriptomic alterations in the hippocampus of high versus low novelty-seeker rats. <i>Human Genomics</i> , 2014, 8, 4.	2.9	8
50	Functional genomics annotation of a statistical epistasis network associated with bladder cancer susceptibility. <i>BioData Mining</i> , 2014, 7, 5.	4.0	7
51	Identification of an antennapedia-like homeobox gene in the ascidians <i>Styela clava</i> and <i>S. plicata</i> . <i>Gene</i> , 1994, 147, 219-222.	2.2	5
52	Two distinct forms of USF in the <i>Lytechinus</i> sea urchin embryo do not play a role in LpS1 gene inactivation upon disruption of the extracellular matrix. <i>Molecular Reproduction and Development</i> , 1996, 45, 1-9.	2.0	5
53	A Tissue-Specific Repressor in the Sea Urchin Embryo of <i>Lytechinus pictus</i> Binds the Distal G-String Element in the LpS1- $\hat{1}2$ Promoter. <i>DNA and Cell Biology</i> , 1996, 15, 511-517.	1.9	5
54	SMAD4-dependent polysome RNA recruitment in human pancreatic cancer cells. <i>Molecular Carcinogenesis</i> , 2012, 51, 771-782.	2.7	5

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55	USF in the Lytechinus Sea Urchin Embryo May Act as a Transcriptional Repressor in Non-aboral Ectoderm Cells for the Cell Lineage-specific Expression of the LpS1 Genes. Journal of Molecular Biology, 1996, 264, 7-19.	4.2	4
56	Squeezing data from pancreatic juice. Cancer Biology and Therapy, 2006, 5, 1390-1391.	3.4	2
57	Gene expression profiling of blood to predict the onset of leukemia. Blood Cells, Molecules, and Diseases, 2009, 42, 64-70.	1.4	2
58	Genomic diversity in established melanoma cell lines and human melanoma tumors.. Journal of Clinical Oncology, 2016, 34, e13001-e13001.	1.6	0