

Timothy W Gant

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1944060/publications.pdf>

Version: 2024-02-01

99
papers

4,991
citations

94433

37
h-index

95266

68
g-index

105
all docs

105
docs citations

105
times ranked

6778
citing authors

#	ARTICLE	IF	CITATIONS
1	Circadian Cycling of the Mouse Liver Transcriptome, as Revealed by cDNA Microarray, Is Driven by the Suprachiasmatic Nucleus. <i>Current Biology</i> , 2002, 12, 540-550.	3.9	711
2	Redox cycling and sulphhydryl arylation; Their relative importance in the mechanism of quinone cytotoxicity to isolated hepatocytes. <i>Chemico-Biological Interactions</i> , 1988, 65, 157-173.	4.0	276
3	Smoking induces differential miRNA expression in human spermatozoa: A potential transgenerational epigenetic concern?. <i>Epigenetics</i> , 2012, 7, 432-439.	2.7	212
4	Lysine-Specific Demethylase 1 Regulates the Embryonic Transcriptome and CoREST Stability. <i>Molecular and Cellular Biology</i> , 2010, 30, 4851-4863.	2.3	179
5	Contribution of CYP1A1 and CYP1A2 to the activation of heterocyclic amines in monkeys and human. <i>Carcinogenesis</i> , 1994, 15, 829-836.	2.8	131
6	Exposures and Health Outcomes in Relation to Bioaerosol Emissions From Composting Facilities: A Systematic Review of Occupational and Community Studies. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2015, 18, 43-69.	6.5	130
7	Translational reprogramming following UVB irradiation is mediated by DNA-PKcs and allows selective recruitment to the polysomes of mRNAs encoding DNA repair enzymes. <i>Genes and Development</i> , 2009, 23, 1207-1220.	5.9	128
8	Multi-Method Characterization of the Human Circulating Microbiome. <i>Frontiers in Microbiology</i> , 2018, 9, 3266.	3.5	120
9	Regulation of 2-acetylaminofluorene-and 3-methylcholanthrene-mediated induction of multidrug resistance and cytochrome P450IA gene family expression in primary hepatocyte cultures and rat liver. <i>Molecular Carcinogenesis</i> , 1991, 4, 499-509.	2.7	114
10	Cloning and characterization of a member of the rat multidrug resistance (mdr) gene family. <i>Gene</i> , 1991, 106, 229-236.	2.2	111
11	Gene expression and amplification in breast carcinoma cells with intrinsic and acquired doxorubicin resistance. <i>Oncogene</i> , 2001, 20, 1300-1306.	5.9	104
12	A systematic review of the public health risks of bioaerosols from intensive farming. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 134-173.	4.3	104
13	Applying 'omics technologies in chemicals risk assessment: Report of an ECETOC workshop. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 91, S3-S13.	2.7	102
14	Induction of multidrug resistance gene expression during cholestasis in rats and nonhuman primates. <i>Hepatology</i> , 1993, 17, 854-860.	7.3	101
15	Doxorubicin In Vivo Rapidly Alters Expression and Translation of Myocardial Electron Transport Chain Genes, Leads to ATP Loss and Caspase 3 Activation. <i>PLoS ONE</i> , 2010, 5, e12733.	2.5	97
16	A simple and robust method for connecting small-molecule drugs using gene-expression signatures. <i>BMC Bioinformatics</i> , 2008, 9, 258.	2.6	95
17	The challenge of the application of 'omics technologies in chemicals risk assessment: Background and outlook. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 91, S14-S26.	2.7	92
18	<i>in silico</i> and <i>in vitro</i> evaluation of exonic and intronic off-target effects form a critical element of therapeutic ASO gapmer optimization. <i>Nucleic Acids Research</i> , 2015, 43, 8638-8650.	14.5	91

#	ARTICLE	IF	CITATIONS
19	A novel method for poly(A) fractionation reveals a large population of mRNAs with a short poly(A) tail in mammalian cells. <i>Nucleic Acids Research</i> , 2007, 35, e132.	14.5	81
20	Environmentally induced epigenetic toxicity: potential public health concerns. <i>Critical Reviews in Toxicology</i> , 2016, 46, 676-700.	3.9	77
21	sscMap: An extensible Java application for connecting small-molecule drugs using gene-expression signatures. <i>BMC Bioinformatics</i> , 2009, 10, 236.	2.6	73
22	Expression of multidrug resistance genes in rat liver during regeneration and after carbon tetrachloride intoxication. <i>Hepatology</i> , 1993, 18, 1202-1207.	7.3	69
23	Induction of hepatic mrp2 (cmrp / cmoat) gene expression in nonhuman primates treated with rifampicin or tamoxifen. <i>Archives of Toxicology</i> , 1998, 72, 763-768.	4.2	67
24	Effect of pooling samples on the efficiency of comparative studies using microarrays. <i>Bioinformatics</i> , 2005, 21, 4378-4383.	4.1	67
25	Regulation of P-glycoprotein gene expression in hepatocyte cultures and liver cell lines by a trans-acting transcriptional repressor. <i>Nucleic Acids Research</i> , 1992, 20, 2841-2846.	14.5	64
26	Semiquinone anion radicals formed by the reaction of quinones with glutathione or amino acids. <i>FEBS Letters</i> , 1986, 201, 296-300.	2.8	63
27	Regulation of <i>MDR1</i> promoter activity in human breast carcinoma cells by protein kinase C isozymes δ and ζ . <i>FEBS Journal</i> , 2001, 268, 4151-4157.	0.2	62
28	Amplicon -Based Metagenomic Analysis of Mixed Fungal Samples Using Proton Release Amplicon Sequencing. <i>PLoS ONE</i> , 2014, 9, e93849.	2.5	57
29	Multidrug resistance gene family and chemical carcinogens. , 1991, 49, 283-292.		52
30	Metabolic activation of 2-acetylaminofluorene is required for induction of multidrug resistance gene expression in rat liver cells. <i>Carcinogenesis</i> , 1994, 15, 2541-2546.	2.8	50
31	Neonatal tamoxifen treatment of mice leads to adenomyosis but not uterine cancer. <i>Experimental and Toxicologic Pathology</i> , 2005, 56, 255-263.	2.1	50
32	Complete protection by high-dose dexamethasone against the hepatotoxicity of the novel antitumor drug yondelis (ET-743) in the rat. <i>Cancer Research</i> , 2003, 63, 5902-8.	0.9	50
33	Application of connectivity mapping in predictive toxicology based on gene-expression similarity. <i>Toxicology</i> , 2010, 268, 143-146.	4.2	48
34	Regional Expression of Multidrug Resistance Genes in Genetically Epilepsy-prone Rat Brain after a Single Audiogenic Seizure. <i>Epilepsia</i> , 2002, 43, 1318-1323.	5.1	47
35	Progress towards an OECD reporting framework for transcriptomics and metabolomics in regulatory toxicology. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 125, 105020.	2.7	46
36	Brake dust exposure exacerbates inflammation and transiently compromises phagocytosis in macrophages. <i>Metallomics</i> , 2020, 12, 371-386.	2.4	45

#	ARTICLE	IF	CITATIONS
37	MicroRNA expression profiling in patients with lamin A/C-associated muscular dystrophy. <i>FASEB Journal</i> , 2011, 25, 3966-3978.	0.5	42
38	Mechanistic insight into the impact of nanomaterials on asthma and allergic airway disease. <i>Particle and Fibre Toxicology</i> , 2017, 14, 45.	6.2	38
39	Emerging fundamental roles for non-coding RNA species in toxicology. <i>Toxicology</i> , 2008, 246, 34-39.	4.2	37
40	Strategies for In Vivo Screening and Mitigation of Hepatotoxicity Associated with Antisense Drugs. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 8, 383-394.	5.1	37
41	Differential expression of multidrug resistance genes in naïve rat brain. <i>Neuroscience Letters</i> , 2003, 339, 33-36.	2.1	35
42	Hepatic Gene Expression in Protoporphyric Mice Is Associated with Cholestatic Injury but Not a Marked Depletion of the Heme Regulatory Pool. <i>American Journal of Pathology</i> , 2005, 166, 1041-1053.	3.8	35
43	Upregulation of nuclear-encoded mitochondrial LON protease in HAART-treated HIV-positive patients with lipodystrophy: implications for the pathogenesis of the disease. <i>Aids</i> , 2010, 24, 841-850.	2.2	35
44	A generic Transcriptomics Reporting Framework (TRF) for omics data processing and analysis. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 91, S36-S45.	2.7	35
45	Characterization of the Transforming Growth Factor- β 1-induced Apoptotic Transcriptome in FaO Hepatoma Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 5920-5928.	3.4	34
46	EXPOSOMICS: final policy workshop and stakeholder consultation. <i>BMC Public Health</i> , 2018, 18, 260.	2.9	34
47	A statistical framework for the design of microarray experiments and effective detection of differential gene expression. <i>Bioinformatics</i> , 2004, 20, 2821-2828.	4.1	32
48	Metabolic profiling of transgenic adenocarcinoma of mouse prostate (TRAMP) Tissue by ¹ H-NMR analysis: evidence for unusual phospholipid metabolism. <i>Prostate</i> , 2008, 68, 1035-1047.	2.3	32
49	Enhanced MDR1 Gene Expression in Human T-Cell Leukemia Virus-Infected Patients Offers New Prospects for Therapy. <i>Blood</i> , 1998, 91, 2467-2474.	1.4	30
50	Hepatobiliary damage and changes in hepatic gene expression caused by the antitumor drug ecteinascidin-743 (ET-743) in the female rat. <i>Cancer Research</i> , 2002, 62, 4256-62.	0.9	30
51	Pulmonary toxicity of inhaled nano-sized cerium oxide aerosols in Sprague-Dawley rats. <i>Nanotoxicology</i> , 2019, 13, 733-750.	3.0	27
52	Multidrug resistance gene expression in rodents and rodent hepatocytes treated with mitoxantrone. <i>Biochemical Pharmacology</i> , 1996, 52, 1453-1460.	4.4	24
53	Cerium dioxide nanoparticles exacerbate house dust mite induced type II airway inflammation. <i>Particle and Fibre Toxicology</i> , 2018, 15, 24.	6.2	24
54	The small airway epithelium as a target for the adverse pulmonary effects of silver nanoparticle inhalation. <i>Nanotoxicology</i> , 2018, 12, 539-553.	3.0	24

#	ARTICLE	IF	CITATIONS
55	Association of gene expression with sequential proliferation, differentiation and tumor formation in murine skin. <i>Carcinogenesis</i> , 2005, 27, 1556-1566.	2.8	22
56	In pursuit of effective toxicogenomics. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 575, 4-16.	1.0	20
57	Essential Role of the AH Receptor in the Dysfunction of Heme Metabolism Induced by 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin. <i>Chemical Research in Toxicology</i> , 2008, 21, 330-340.	3.3	20
58	Pivotal Role for Two Electron Reduction in 2,3-Dimethoxy-1,4-naphthoquinone and 2-Methyl-1,4-naphthoquinone Metabolism and Kinetics in Vivo That Prevents Liver Redox Stress. <i>Chemical Research in Toxicology</i> , 2009, 22, 717-725.	3.3	20
59	Metabolism of 1-naphthol by tyrosinase. <i>Biochemical Pharmacology</i> , 1985, 34, 3167-3172.	4.4	18
60	Effect of tamoxifen feeding on metabolic activation of tamoxifen by the liver of the Rhesus monkey: Does liver accumulation of inhibitory metabolites protect from tamoxifen-dependent genotoxicity and cancer?. <i>Carcinogenesis</i> , 1996, 17, 1687-1693.	2.8	18
61	Classifying toxicity and pathology by gene-expression profile “ taking a lead from studies in neoplasia. <i>Trends in Pharmacological Sciences</i> , 2002, 23, 388-393.	8.7	17
62	Novel and future applications of microarrays in toxicological research. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007, 3, 599-608.	3.3	17
63	Chromosomal anomalies on 6p25 in iris hypoplasia and Axenfeld-Rieger syndrome patients defined on a purpose-built genomic microarray. <i>Human Mutation</i> , 2004, 24, 76-85.	2.5	16
64	Application of toxicogenomics in drug development. <i>Drug News and Perspectives</i> , 2003, 16, 217.	1.5	16
65	R-ODAF: Omics data analysis framework for regulatory application. <i>Regulatory Toxicology and Pharmacology</i> , 2022, 131, 105143.	2.7	16
66	Towards the development of an omics data analysis framework. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 112, 104621.	2.7	15
67	Connectivity mapping uncovers small molecules that modulate neurodegeneration in Huntington’s disease models. <i>Journal of Molecular Medicine</i> , 2016, 94, 235-245.	3.9	14
68	Diesel exhaust particulate associated chemicals attenuate expression of CXCL10 in human primary bronchial epithelial cells. <i>Toxicology in Vitro</i> , 2017, 45, 409-416.	2.4	14
69	Use of internally controlled reverse transcriptase-polymerase chain reaction for absolute quantitation of individual multidrug resistant gene transcripts in tissue samples. <i>Electrophoresis</i> , 1996, 17, 255-260.	2.4	13
70	Association of tamoxifen biliary excretion rate with prior tamoxifen exposure and increased <i>mdr1b</i> expression. <i>Biochemical Pharmacology</i> , 2000, 60, 233-239.	4.4	13
71	Site-Specific Tamoxifen-DNA Adduct Formation: A Lack of Correlation with Mutational Ability in <i>Escherichia coli</i> . <i>Biochemistry</i> , 1999, 38, 10989-10996.	2.5	12
72	Defective TPA signalling compromises HaCat cells as a human in vitro skin carcinogenesis model. <i>Toxicology in Vitro</i> , 2010, 24, 910-915.	2.4	12

#	ARTICLE	IF	CITATIONS
73	Decreased translation of <i>Dio3</i> mRNA is associated with drug-induced hepatotoxicity. <i>Biochemical Journal</i> , 2013, 453, 71-82.	3.7	12
74	Perturbation of microRNA signalling by doxorubicin in spermatogonial, Leydig and Sertoli cell lines <i>in vitro</i> . <i>Toxicology Research</i> , 2018, 7, 760-770.	2.1	12
75	Intrinsic hepatic phenotype associated with the <i>Cyp1a2</i> gene as shown by cDNA expression microarray analysis of the knockout mouse. <i>EHP Toxicogenomics: Journal of the National Institute of Environmental Health Sciences</i> , 2003, 111, 45-51.	0.9	12
76	Bronchial epithelial innate and adaptive immunity signals are induced by polycyclic aromatic hydrocarbons. <i>Toxicology Research</i> , 2016, 5, 816-827.	2.1	9
77	Effects of mid-respiratory chain inhibition on mitochondrial function <i>in vitro</i> and <i>in vivo</i> . <i>Toxicology Research</i> , 2016, 5, 136-150.	2.1	9
78	Diesel exhaust particle and dust mite induced airway inflammation is modified by cerium dioxide nanoparticles. <i>Environmental Toxicology and Pharmacology</i> , 2020, 73, 103273.	4.0	9
79	Cerium dioxide nanoparticles protect against oxidative stress induced injury through modulation of TGF- β signalling. <i>Toxicology Research</i> , 2015, 4, 464-475.	2.1	8
80	Perturbation of epigenetic processes by doxorubicin in the mouse testis. <i>Toxicology Research</i> , 2016, 5, 1229-1243.	2.1	8
81	Gene expression profiles associated with inflammation, fibrosis, and cholestasis in mouse liver after griseofulvin. <i>EHP Toxicogenomics: Journal of the National Institute of Environmental Health Sciences</i> , 2003, 111, 37-43.	0.9	8
82	The role of microRNAs in the pathogenesis of MMPi-induced skin fibrodysplasia. <i>BMC Genomics</i> , 2013, 14, 338.	2.8	7
83	The Mechanism of Trans-activation of the <i>MDR1</i> Gene by Human T-Cell Leukemia Virus. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 397-404.	2.1	6
84	Transcriptional regulation of multidrug resistance gene expression. <i>Cancer Treatment and Research</i> , 1994, 73, 57-68.	0.5	6
85	PBTK model for assessment of operator exposure to haloxyfop using human biomonitoring and toxicokinetic data. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 102, 1-12.	2.7	5
86	Metabarcoding of Soil Fungi from Different Urban Greenspaces Around Bournemouth in the UK. <i>EcoHealth</i> , 2021, 18, 315-330.	2.0	5
87	Novel and future applications of microarrays in toxicological research. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007, 3, 599-608.	3.3	4
88	Toxicogenomics in genetic toxicology and hazard determination – concluding remarks. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 575, 116-117.	1.0	2
89	Toxicogenomics in genetic toxicology and hazard determination: Introduction and overview. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 575, 1-3.	1.0	2
90	Skills and Training for the 21st Century Chemical Toxicologist. <i>Chemical Research in Toxicology</i> , 2011, 24, 985-987.	3.3	2

#	ARTICLE	IF	CITATIONS
91	WORKSHOP ON THE SOURCES, QUANTIFICATION AND HEALTH IMPLICATIONS OF BIOAEROSOLS WORKSHOP REPORT. American Journal of Pharmacology and Toxicology, 2014, 9, 189-199.	0.7	2
92	Enhanced MDR1 Gene Expression in Human T-Cell Leukemia Virus-Infected Patients Offers New Prospects for Therapy. Blood, 1998, 91, 2467-2474.	1.4	2
93	Gene expression profiles associated with inflammation, fibrosis and cholestasis in mouse liver after griseofulvin. Environmental Health Perspectives, 0, , .	6.0	2
94	Genes involved in the induction of liver growth by peroxisome proliferators. Toxicology Research, 2014, 3, 315-323.	2.1	1
95	Inflammatory Genomics. Environmental Health Perspectives, 2005, 113, A794-5.	6.0	0
96	Tcap: A novel biomarker of troglitazone induced cardiotoxicity. Toxicology, 2011, 290, 129.	4.2	0
97	Intrinsic Hepatic Phenotype Associated with the Cyp1a2 Gene as Shown by cDNA Expression Microarray Analysis of the Knockout Mouse. Environmental Health Perspectives, 0, , .	6.0	0
98	Use of reverse genetics and cDNA arrays to understand dioxin toxicity. , 2003, , 39-45.		0
99	A microarray analysis of differential gene expression associated with the development of doxorubicin resistance in breast carcinoma. , 2003, , 82-87.		0