

Nan Mei

List of Publications by Year in descending order

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106
papers

7,095
citations

109321
35
h-index

58581
82
g-index

108
all docs

108
docs citations

108
times ranked

10452
citing authors

#	ARTICLE	IF	CITATIONS
1	The MicroArray Quality Control (MAQC) project shows inter- and intraplatform reproducibility of gene expression measurements. <i>Nature Biotechnology</i> , 2006, 24, 1151-1161.	17.5	1,927
2	A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium. <i>Nature Biotechnology</i> , 2014, 32, 903-914.	17.5	883
3	Rat toxicogenomic study reveals analytical consistency across microarray platforms. <i>Nature Biotechnology</i> , 2006, 24, 1162-1169.	17.5	389
4	Assessment of the toxic potential of graphene family nanomaterials. <i>Journal of Food and Drug Analysis</i> , 2014, 22, 105-115.	1.9	359
5	A rat RNA-Seq transcriptomic BodyMap across 11 organs and 4 developmental stages. <i>Nature Communications</i> , 2014, 5, 3230.	12.8	316
6	The balance of reproducibility, sensitivity, and specificity of lists of differentially expressed genes in microarray studies. <i>BMC Bioinformatics</i> , 2008, 9, S10.	2.6	215
7	<i>Aloe vera</i> : A review of toxicity and adverse clinical effects. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2016, 34, 77-96.	2.9	164
8	Genotoxicity of pyrrolizidine alkaloids. <i>Journal of Applied Toxicology</i> , 2010, 30, 183-196.	2.8	156
9	Review of Usnic Acid and <i>Usnea Barbata</i> Toxicity. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2008, 26, 317-338.	2.9	111
10	Review of <i>Ginkgo biloba</i> -induced toxicity, from experimental studies to human case reports. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2017, 35, 1-28.	2.9	110
11	DNA adduct formation and mutation induction by aristolochic acid in rat kidney and liver. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 602, 83-91.	1.0	101
12	Silver nanoparticle-induced mutations and oxidative stress in mouse lymphoma cells. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 409-419.	2.2	97
13	Genotoxicity of malachite green and leucomalachite green in female Big Blue B6C3F1 mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 561, 127-138.	1.7	81
14	Size- and coating-dependent cytotoxicity and genotoxicity of silver nanoparticles evaluated using <i>in vitro</i> standard assays. <i>Nanotoxicology</i> , 2016, 10, 1373-1384.	3.0	81
15	Metabolism, Genotoxicity, and Carcinogenicity of Comfrey. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2010, 13, 509-526.	6.5	64
16	The Genotoxicity of Acrylamide and Glycidamide in Big Blue Rats. <i>Toxicological Sciences</i> , 2010, 115, 412-421.	3.1	64
17	<i>Ginkgo biloba</i> leaf extract induces DNA damage by inhibiting topoisomerase II activity in human hepatic cells. <i>Scientific Reports</i> , 2015, 5, 14633.	3.3	60
18	Mutations induced by carcinogenic doses of aristolochic acid in kidney of Big Blue transgenic rats. <i>Toxicology Letters</i> , 2006, 165, 250-256.	0.8	59

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19	Sertraline, an Antidepressant, Induces Apoptosis in Hepatic Cells Through the Mitogen-Activated Protein Kinase Pathway. <i>Toxicological Sciences</i> , 2014, 137, 404-415.	3.1	57
20	Genotoxic effects of acrylamide and glycidamide in mouse lymphoma cells. <i>Food and Chemical Toxicology</i> , 2008, 46, 628-636.	3.6	51
21	MicroRNA hsa-miR-29a-3p modulates CYP2C19 in human liver cells. <i>Biochemical Pharmacology</i> , 2015, 98, 215-223.	4.4	51
22	Photodecomposition of Vitamin A and Photobiological Implications for the Skin. <i>Photochemistry and Photobiology</i> , 2007, 83, 409-424.	2.5	50
23	Mechanism study of goldenseal-associated DNA damage. <i>Toxicology Letters</i> , 2013, 221, 64-72.	0.8	49
24	Gene Expression Profiles Distinguish the Carcinogenic Effects of Aristolochic Acid in Target (Kidney) and Non-target (Liver) Tissues in Rats. <i>BMC Bioinformatics</i> , 2006, 7, S20.	2.6	46
25	The Mouse Lymphoma Assay Detects Recombination, Deletion, and Aneuploidy. <i>Toxicological Sciences</i> , 2009, 109, 96-105.	3.1	45
26	Mutagenicity of comfrey (<i>Symphytum Officinale</i>) in rat liver. <i>British Journal of Cancer</i> , 2005, 92, 873-875.	6.4	43
27	<i>Ginkgo Biloba</i> Extract Induces Gene Expression Changes in Xenobiotics Metabolism and the Myc-Centered Network. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 75-90.	2.0	42
28	The Role of Autophagy in Usnic Acid-Induced Toxicity in Hepatic Cells. <i>Toxicological Sciences</i> , 2014, 142, 33-44.	3.1	42
29	Multiple microRNAs function as self-protective modules in acetaminophen-induced hepatotoxicity in humans. <i>Archives of Toxicology</i> , 2018, 92, 845-858.	4.2	42
30	Mutagenicity of Acrylamide and Glycidamide in the Testes of Big Blue Mice. <i>Toxicological Sciences</i> , 2010, 117, 72-80.	3.1	41
31	The expression, induction and pharmacological activity of CYP1A2 are post-transcriptionally regulated by microRNA hsa-miR-132-5p. <i>Biochemical Pharmacology</i> , 2017, 145, 178-191.	4.4	41
32	ROS generation and JNK activation contribute to 4-methoxy-TEMPO-induced cytotoxicity, autophagy, and DNA damage in HepG2 cells. <i>Archives of Toxicology</i> , 2018, 92, 717-728.	4.2	40
33	Acute arsenite-induced 8-hydroxyguanine is associated with inhibition of repair activity in cultured human cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 924-930.	2.1	38
34	Mechanistic Evaluation of <i>Ginkgo biloba</i> Leaf Extract-Induced Genotoxicity in L5178Y Cells. <i>Toxicological Sciences</i> , 2014, 139, 338-349.	3.1	37
35	Activation of the Nrf2 signaling pathway in usnic acid-induced toxicity in HepG2 cells. <i>Archives of Toxicology</i> , 2017, 91, 1293-1307.	4.2	37
36	Genetic toxicity assessment using liver cell models: past, present, and future. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2020, 23, 27-50.	6.5	37

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37	Mutations Induced by the Carcinogenic Pyrrolizidine Alkaloid Riddelliine in the Liver of Transgenic Big Blue Rats. <i>Chemical Research in Toxicology</i> , 2004, 17, 814-818.	3.3	35
38	Endoplasmic Reticulum Stress and Store-Operated Calcium Entry Contribute to Usnic Acid-Induced Toxicity in Hepatic Cells. <i>Toxicological Sciences</i> , 2015, 146, 116-126.	3.1	35
39	Gene expression changes induced by the tumorigenic pyrrolizidine alkaloid riddelliine in liver of Big Blue rats. <i>BMC Bioinformatics</i> , 2007, 8, S4.	2.6	34
40	Quantitative comparison of in vitro genotoxicity between metabolically competent HepaRG cells and HepG2 cells using the high-throughput high-content CometChip assay. <i>Archives of Toxicology</i> , 2019, 93, 1433-1448.	4.2	34
41	Mutagenic Effects of 4-Hydroxynonenal Triacetate, a Chemically Protected Form of the Lipid Peroxidation Product 4-Hydroxynonenal, as Assayed in L5178Y/Tk+ Mouse Lymphoma Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 855-861.	2.5	33
42	N-Ethyl-N-nitrosourea (ENU) Increased Brain Mutations in Prenatal and Neonatal Mice but Not in the Adults. <i>Toxicological Sciences</i> , 2004, 81, 112-120.	3.1	32
43	Toxicogenomics and Cancer Susceptibility: Advances with Next-Generation Sequencing. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2014, 32, 121-158.	2.9	32
44	Analysis of gene expression changes in relation to toxicity and tumorigenesis in the livers of Big Blue transgenic rats fed comfrey (<i>Symphytum officinale</i>). <i>BMC Bioinformatics</i> , 2006, 7, S16.	2.6	31
45	Aristolochic acid-induced carcinogenesis examined by ACB-PCR quantification of H-Ras and K-Ras mutant fraction. <i>Mutagenesis</i> , 2011, 26, 619-628.	2.6	31
46	Mutagenicity of 11 cigarette smoke condensates in two versions of the mouse lymphoma assay. <i>Mutagenesis</i> , 2011, 26, 273-281.	2.6	31
47	Nitroxide TEMPO: A genotoxic and oxidative stress inducer in cultured cells. <i>Toxicology in Vitro</i> , 2013, 27, 1496-1502.	2.4	31
48	Differential mutagenicity of riddelliine in liver endothelial and parenchymal cells of transgenic big blue rats. <i>Cancer Letters</i> , 2004, 215, 151-158.	7.2	30
49	Photomutagenicity of Retinyl Palmitate by Ultraviolet A Irradiation in Mouse Lymphoma Cells. <i>Toxicological Sciences</i> , 2005, 88, 142-149.	3.1	29
50	Gene expression profiling in male B6C3F1 mouse livers exposed to kava identifies changes in drug metabolizing genes and potential mechanisms linked to kava toxicity. <i>Food and Chemical Toxicology</i> , 2010, 48, 686-696.	3.6	28
51	Immunoassays using capillary electrophoresis laser induced fluorescence detection for DNA adducts. <i>Analytica Chimica Acta</i> , 2003, 500, 13-20.	5.4	27
52	Gene expression changes associated with xenobiotic metabolism pathways in mice exposed to acrylamide. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 741-745.	2.2	27
53	Induction of OGG1 Gene Expression by HIV-1 Tat. <i>Journal of Biological Chemistry</i> , 2005, 280, 26701-26713.	3.4	25
54	Quantitative analysis of the relative mutagenicity of five chemical constituents of tobacco smoke in the mouse lymphoma assay. <i>Mutagenesis</i> , 2016, 31, 287-296.	2.6	25

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55	Genetic predisposition to the cytotoxicity of arsenic: the role of DNA damage and ATM. <i>FASEB Journal</i> , 2003, 17, 2310-2312.	0.5	24
56	Comparison of gene expression profiles altered by comfrey and riddelliine in rat liver. <i>BMC Bioinformatics</i> , 2007, 8, S22.	2.6	24
57	Reactive oxygen species and c-Jun N-terminal kinases contribute to TEMPO-induced apoptosis in L5178Y cells. <i>Chemico-Biological Interactions</i> , 2015, 235, 27-36.	4.0	22
58	Gene Expression Profiling as an Initial Approach for Mechanistic Studies of Toxicity and Tumorigenicity of Herbal Plants and Herbal Dietary Supplements. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2010, 28, 60-87.	2.9	21
59	Photomutagenicity of Anhydroretinol and 5,6-Epoxyretinyl Palmitate in Mouse Lymphoma Cells. <i>Chemical Research in Toxicology</i> , 2006, 19, 1435-1440.	3.3	20
60	Comparative Genotoxicity of TEMPO and 3 of Its Derivatives in Mouse Lymphoma Cells. <i>Toxicological Sciences</i> , 2018, 163, 214-225.	3.1	18
61	The genotoxicity potential of luteolin is enhanced by CYP1A1 and CYP1A2 in human lymphoblastoid TK6 cells. <i>Toxicology Letters</i> , 2021, 344, 58-68.	0.8	18
62	Analysis of 8-hydroxydeoxyguanosine 5'-monophosphate (8-OH-dGMP) as a reliable marker of cellular oxidative DNA damage after γ -irradiation. <i>Environmental and Molecular Mutagenesis</i> , 2003, 41, 332-338.	2.2	17
63	Performance of HepaRG and HepG2 cells in the high-throughput micronucleus assay for in vitro genotoxicity assessment. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020, 83, 702-717.	2.3	17
64	Development and Application of TK6-derived Cells Expressing Human Cytochrome P450s for Genotoxicity Testing. <i>Toxicological Sciences</i> , 2020, 175, 251-265.	3.1	17
65	Aristolochic acid-induced genotoxicity and toxicogenomic changes in rodents. <i>World Journal of Traditional Chinese Medicine</i> , 2020, 6, 12.	1.9	17
66	Age-dependent sensitivity of Big Blue transgenic mice to the mutagenicity of N-ethyl-N-nitrosourea (ENU) in liver. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 572, 14-26.	1.0	16
67	Mutagenicity and DNA adduct formation by aristolochic acid in the spleen of Big Blue [®] rats. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 358-368.	2.2	16
68	Performance of high-throughput CometChip assay using primary human hepatocytes: a comparison of DNA damage responses with in vitro human hepatoma cell lines. <i>Archives of Toxicology</i> , 2020, 94, 2207-2224.	4.2	16
69	Comparison of the frequency of T-cell receptor mutants and thioguanine resistance induced by X-rays and ethylnitrosourea in cultured human blood T-lymphocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 357, 191-197.	1.0	15
70	Cytotoxicity and mutagenicity of retinol with ultraviolet A irradiation in mouse lymphoma cells. <i>Toxicology in Vitro</i> , 2010, 24, 439-444.	2.4	15
71	In vitro investigation of the mutagenic potential of Aloe vera extracts. <i>Toxicology Research</i> , 2014, 3, 487-496.	2.1	15
72	Evaluation of pyrrolizidine alkaloid-induced genotoxicity using metabolically competent TK6 cell lines. <i>Food and Chemical Toxicology</i> , 2020, 145, 111662.	3.6	15

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73	Application of Microarray-Based Analysis of Gene Expression in the Field of Toxicogenomics. <i>Methods in Molecular Biology</i> , 2010, 597, 227-241.	0.9	15
74	Benchmark Dose Modeling of <i>In Vitro</i> Genotoxicity Data: a Reanalysis. <i>Toxicological Research</i> , 2018, 34, 303-310.	2.1	14
75	The role of hepatic cytochrome P450s in the cytotoxicity of sertraline. <i>Archives of Toxicology</i> , 2020, 94, 2401-2411.	4.2	14
76	Differential mutagenicity of aflatoxin B ₁ in the liver of neonatal and adult mice. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 156-163.	2.2	13
77	Subchronic exposure to ethyl tertiary butyl ether resulting in genetic damage in Aldh2 knockout mice. <i>Toxicology</i> , 2013, 311, 107-114.	4.2	13
78	Analysis of 8-Hydroxyguanine (8-OH-Gua) Released from DNA by the Formamidopyrimidine DNA Glycosylase (Fpg) Protein: A Reliable Method to Estimate Cellular Oxidative Stress. <i>Journal of Radiation Research</i> , 2004, 45, 455-460.	1.6	12
79	Characterization of cytochrome P450s (CYP)-overexpressing HepG2 cells for assessing drug and chemical-induced liver toxicity. <i>Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis</i> , 2021, 39, 68-86.	0.7	12
80	Differential genotoxic effects of subchronic exposure to ethyl tertiary butyl ether in the livers of Aldh2 knockout and wild-type mice. <i>Archives of Toxicology</i> , 2012, 86, 675-682.	4.2	11
81	Methods for Using the Mouse Lymphoma Assay to Screen for Chemical Mutagenicity and Photo-Mutagenicity. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 561-592.	0.2	11
82	Quantitative differentiation of whole smoke solution-induced mutagenicity in the mouse lymphoma assay. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 103-113.	2.2	10
83	Individual Variation and Age Dependency in the Radiosensitivity of Peripheral Blood T-lymphocytes from Normal Donors.. <i>Journal of Radiation Research</i> , 1996, 37, 235-245.	1.6	9
84	Aldh2 Knockout Mice Were More Sensitive to DNA Damage in Leukocytes due to Ethyl Tertiary Butyl Ether Exposure. <i>Industrial Health</i> , 2011, 49, 396-399.	1.0	8
85	Evaluation of <i>cll</i> gene mutation in the brains of Big Blue mice exposed to acrylamide and glycidamide in drinking water. <i>Journal of Toxicological Sciences</i> , 2016, 41, 719-730.	1.5	8
86	Measurement of the CD3 ⁺ 4 ⁺ Variant T Cell Frequency by Flow Cytometry after X-irradiation on Mice. <i>Journal of Occupational Health</i> , 1996, 38, 25-29.	2.1	7
87	Inhibition of Neoplastic Transformation and Chemically-Induced Skin Hyperplasia in Mice by Traditional Chinese Medicinal Formula Si-Wu-Tang. <i>Nutrients</i> , 2017, 9, 300.	4.1	5
88	Whole genome sequencing analysis of small and large colony mutants from the mouse lymphoma assay. <i>Archives of Toxicology</i> , 2018, 92, 3585-3595.	4.2	5
89	Appropriate in vivo follow-up assays to an in vitro bacterial reverse mutation (Ames) test positive investigational drug candidate (active pharmaceutical ingredient), drug-related metabolite, or drug-related impurity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 868-869, 503386.	1.7	5
90	MEASUREMENT OF MUTANT FREQUENCY IN T-CELL RECEPTOR (TCR) GENE BY FLOW CYTOMETRY AFTER X-IRRADIATION ON EL-4 MICE LYMPHOMA CELLS. <i>Journal of Toxicological Sciences</i> , 2007, 32, 377-386.	1.5	4

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91	Mechanistic Evaluation of Black Cohosh Extract-Induced Genotoxicity in Human Cells. <i>Toxicological Sciences</i> , 2021, 182, 96-106.	3.1	4
92	Endogenous estrogen status, but not genistein supplementation, modulates 7,12-dimethylbenz[a]anthracene-induced mutation in the liver cell gene of transgenic big blue rats. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 409-418.	2.2	3
93	UVA-induced photomutagenicity of retinyl palmitate. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 677, 105-106.	1.7	3
94	Assessment of Genotoxic Effects of Selected Herbal Dietary Supplements**The information in this chapter is not a formal dissemination of information by the US Food and Drug Administration and does not represent agency position or policy.. , 2016, , 883-892.		2
95	Differentiating between micronucleus dose-responses induced by whole cigarette smoke solutions with Benchmark Dose potency ranking. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 866, 503351.	1.7	2
96	Genotoxicity evaluation using primary hepatocytes isolated from rhesus macaque (<i>Macaca mulatta</i>). <i>Toxicology</i> , 2021, 462, 152936.	4.2	2
97	Using a Lentivirus-Based Inducible RNAi Vector to Silence a Gene. <i>Methods in Molecular Biology</i> , 2020, 2102, 195-210.	0.9	2
98	Neonatal exposure of 17 β -estradiol has no effects on mutagenicity of 7,12-dimethylbenz [a] anthracene in reproductive tissues of adult mice. <i>Genes and Environment</i> , 2015, 37, 16.	2.1	1
99	Genotoxicity evaluation of nutraceuticals. , 2021, , 1199-1211.		1
100	Influence of Donor Age on the Cytotoxicity and Mutagenicity of Ethylnitrosourea in Cultured Human T-lymphocytes. <i>Journal of UOEH</i> , 1997, 19, 133-145.	0.6	0
101	Kava <i>(Piper methysticum)</i> Safety Concerns and Studies on Pipermethystine, an Alkaloid in Kava. <i>ACS Symposium Series</i> , 2008, , 248-263.	0.5	0
102	Gene Expression Profiling in Evaluating the Safety and Toxicity of Nutraceuticals**The information in this chapter is not a formal dissemination of information by the US Food and Drug Administration and does not represent agency position or policy.. , 2016, , 249-262.		0
103	Transcriptomic profiling for safety and toxicity evaluation of nutraceuticals. , 2021, , 299-313.		0
104	Comparative potency analysis of whole smoke solutions in the bacterial reverse mutation test. <i>Mutagenesis</i> , 2021, 36, 321-329.	2.6	0
105	Detection of Loss of Heterozygosity in Tk-Deficient Mutants from L5178Y Tk+/ Δ -3.7.2C Mouse Lymphoma Cells. <i>Methods in Molecular Biology</i> , 2020, 2102, 251-270.	0.9	0
106	Actein contributes to black cohosh extract-induced genotoxicity in human TK6 cells. <i>Journal of Applied Toxicology</i> , 2022, , .	2.8	0