

Makoto Shibutani

List of Publications by Year in descending order

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203
papers

3,526
citations

159585

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233421

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206
all docs

206
docs citations

206
times ranked

3323
citing authors

#	ARTICLE	IF	CITATIONS
1	Methacarn Fixation: A Novel Tool for Analysis of Gene Expressions in Paraffin-Embedded Tissue Specimens. <i>Laboratory Investigation</i> , 2000, 80, 199-208.	3.7	127
2	Impact of dietary exposure to methoxychlor, genistein, or diisononyl phthalate during the perinatal period on the development of the rat endocrine/reproductive systems in later life. <i>Toxicology</i> , 2003, 192, 149-170.	4.2	119
3	Developmental toxicity of brominated flame retardants, tetrabromobisphenol A and 1,2,5,6,9,10-hexabromocyclododecane, in rat offspring after maternal exposure from mid-gestation through lactation. <i>Reproductive Toxicology</i> , 2009, 28, 456-467.	2.9	109
4	Preferential tumor cellular uptake and retention of indocyanine green for <i>in vivo</i> tumor imaging. <i>International Journal of Cancer</i> , 2016, 139, 673-682.	5.1	88
5	Establishment of a novel experimental model for muscle-invasive bladder cancer using a dog bladder cancer organoid culture. <i>Cancer Science</i> , 2019, 110, 2806-2821.	3.9	75
6	Site-Specific <i>In Vivo</i> Mutagenicity in the Kidney of gpt Delta Rats Given a Carcinogenic Dose of Ochratoxin A. <i>Toxicological Sciences</i> , 2011, 122, 406-414.	3.1	73
7	A Crucial Role of Nrf2 in <i>In Vivo</i> Defense against Oxidative Damage by an Environmental Pollutant, Pentachlorophenol. <i>Toxicological Sciences</i> , 2006, 90, 111-119.	3.1	72
8	Assessment of developmental effects of hypothyroidism in rats from <i>in utero</i> and lactation exposure to anti-thyroid agents. <i>Reproductive Toxicology</i> , 2009, 28, 297-307.	2.9	71
9	Efficacy of primary liver organoid culture from different stages of non-alcoholic steatohepatitis (NASH) mouse model. <i>Biomaterials</i> , 2020, 237, 119823.	11.4	50
10	<i>In vivo</i> mutagenicity and initiation following oxidative DNA lesion in the kidneys of rats given potassium bromate. <i>Cancer Science</i> , 2006, 97, 829-835.	3.9	47
11	Aberration in Epigenetic Gene Regulation in Hippocampal Neurogenesis by Developmental Exposure to Manganese Chloride in Mice. <i>Toxicological Sciences</i> , 2013, 136, 154-165.	3.1	47
12	Transient aberration of neuronal development in the hippocampal dentate gyrus after developmental exposure to brominated flame retardants in rats. <i>Archives of Toxicology</i> , 2012, 86, 1431-1442.	4.2	46
13	A 90-day subchronic toxicity study of nivalenol, a trichothecene mycotoxin, in F344 rats. <i>Food and Chemical Toxicology</i> , 2008, 46, 125-135.	3.6	45
14	Methacarn as a whole brain fixative for gene and protein expression analyses of specific brain regions in rats. <i>Journal of Toxicological Sciences</i> , 2013, 38, 431-443.	1.5	44
15	Methacarn Fixation for Genomic DNA Analysis in Microdissected, Paraffin-embedded Tissue Specimens. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 1237-1245.	2.5	43
16	Induction of kidney and liver cancers by the natural food additive madder color in a two-year rat carcinogenicity study. <i>Food and Chemical Toxicology</i> , 2009, 47, 184-191.	3.6	43
17	Developmental Exposure to Manganese Chloride Induces Sustained Aberration of Neurogenesis in the Hippocampal Dentate Gyrus of Mice. <i>Toxicological Sciences</i> , 2012, 127, 508-521.	3.1	43
18	Reversible aberration of neurogenesis targeting late-stage progenitor cells in the hippocampal dentate gyrus of rat offspring after maternal exposure to acrylamide. <i>Archives of Toxicology</i> , 2012, 86, 779-790.	4.2	41

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19	Antioxidant enzymatically modified isoquercitrin or melatonin supplementation reduces oxidative stress-mediated hepatocellular tumor promotion of oxfendazole in rats. <i>Archives of Toxicology</i> , 2010, 84, 143-153.	4.2	40
20	Antioxidant enzymatically modified isoquercitrin suppresses the development of liver preneoplastic lesions in rats induced by I ² -naphthoflavone. <i>Toxicology</i> , 2010, 268, 213-218.	4.2	40
21	Glycidol Induces Axonopathy by Adult-Stage Exposure and Aberration of Hippocampal Neurogenesis Affecting Late-Stage Differentiation by Developmental Exposure in Rats. <i>Toxicological Sciences</i> , 2013, 134, 140-154.	3.1	40
22	Sustained production of Reelin-expressing interneurons in the hippocampal dentate hilus after developmental exposure to anti-thyroid agents in rats. <i>Reproductive Toxicology</i> , 2010, 29, 407-414.	2.9	37
23	Molecular mechanisms underlying ochratoxin A-induced genotoxicity: global gene expression analysis suggests induction of DNA double-strand breaks and cell cycle progression. <i>Journal of Toxicological Sciences</i> , 2013, 38, 57-69.	1.5	37
24	Immunotoxicity of nivalenol after subchronic dietary exposure to rats. <i>Food and Chemical Toxicology</i> , 2008, 46, 253-258.	3.6	36
25	Similar distribution changes of GABAergic interneuron subpopulations in contrast to the different impact on neurogenesis between developmental and adult-stage hypothyroidism in the hippocampal dentate gyrus in rats. <i>Archives of Toxicology</i> , 2012, 86, 1559-1569.	4.2	35
26	Ochratoxin A induces karyomegaly and cell cycle aberrations in renal tubular cells without relation to induction of oxidative stress responses in rats. <i>Toxicology Letters</i> , 2014, 224, 64-72.	0.8	34
27	Alteration of pituitary hormone-immunoreactive cell populations in rat offspring after maternal dietary exposure to endocrine-active chemicals. <i>Archives of Toxicology</i> , 2004, 78, 232-240.	4.2	33
28	Disruptive neuronal development by acrylamide in the hippocampal dentate hilus after developmental exposure in rats. <i>Archives of Toxicology</i> , 2011, 85, 987-994.	4.2	33
29	Establishment of 2.5D organoid culture model using 3D bladder cancer organoid culture. <i>Scientific Reports</i> , 2020, 10, 9393.	3.3	32
30	Impact of maternal dietary exposure to endocrine-acting chemicals on progesterone receptor expression in microdissected hypothalamic medial preoptic areas of rat offspring. <i>Toxicology and Applied Pharmacology</i> , 2005, 208, 127-136.	2.8	31
31	Chemoprevention of acrylamide toxicity by antioxidative agents in rats—effective suppression of testicular toxicity by phenylethyl isothiocyanate. <i>Archives of Toxicology</i> , 2005, 79, 531-541.	4.2	31
32	Effect of enzymatically modified isoquercitrin on preneoplastic liver cell lesions induced by thioacetamide promotion in a two-stage hepatocarcinogenesis model using rats. <i>Toxicology</i> , 2013, 305, 30-40.	4.2	31
33	Microdissected Region-specific Gene Expression Analysis with Methacarn-fixed, Paraffin-embedded Tissues by Real-time RT-PCR. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 903-913.	2.5	30
34	Role of p53 in the Progression from Ochratoxin A-Induced DNA Damage to Gene Mutations in the Kidneys of Mice. <i>Toxicological Sciences</i> , 2015, 144, 65-76.	3.1	29
35	Anti-cancer activity of amorphous curcumin preparation in patient-derived colorectal cancer organoids. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112043.	5.6	29
36	Indole-3-carbinol enhances oxidative stress responses resulting in the induction of preneoplastic liver cell lesions in partially hepatectomized rats initiated with diethylnitrosamine. <i>Toxicology</i> , 2011, 283, 109-117.	4.2	28

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37	Effects of p53 knockout on ochratoxin A-induced genotoxicity in p53-deficient gpt delta mice. <i>Toxicology</i> , 2013, 304, 92-99.	4.2	28
38	Dietary influence on the impact of ethinylestradiol-induced alterations in the endocrine/reproductive system with perinatal maternal exposure. <i>Reproductive Toxicology</i> , 2004, 18, 23-33.	2.9	27
39	Pathological assessment of the nervous and male reproductive systems of rat offspring exposed maternally to acrylamide during the gestation and lactation periods - a preliminary study. <i>Journal of Toxicological Sciences</i> , 2008, 33, 11-24.	1.5	27
40	Impaired oligodendroglial development by decabromodiphenyl ether in rat offspring after maternal exposure from mid-gestation through lactation. <i>Reproductive Toxicology</i> , 2011, 31, 86-94.	2.9	27
41	Suppressive effect of enzymatically modified isoquercitrin on phenobarbital-induced liver tumor promotion in rats. <i>Archives of Toxicology</i> , 2011, 85, 1475-1484.	4.2	27
42	Developmental exposure of aflatoxin B1 reversibly affects hippocampal neurogenesis targeting late-stage neural progenitor cells through suppression of cholinergic signaling in rats. <i>Toxicology</i> , 2015, 336, 59-69.	4.2	27
43	Anti-inflammatory effects of the selective phosphodiesterase 3 inhibitor, cilostazol, and antioxidants, enzymatically-modified isoquercitrin and \pm -lipoic acid, reduce dextran sulphate sodium-induced colorectal mucosal injury in mice. <i>Experimental and Toxicologic Pathology</i> , 2017, 69, 179-186.	2.1	27
44	Anti-tumor effect of trametinib in bladder cancer organoid and the underlying mechanism. <i>Cancer Biology and Therapy</i> , 2021, 22, 357-371.	3.4	27
45	Cuprizone decreases intermediate and late-stage progenitor cells in hippocampal neurogenesis of rats in a framework of 28-day oral dose toxicity study. <i>Toxicology and Applied Pharmacology</i> , 2015, 287, 210-221.	2.8	26
46	Relationship between brain accumulation of manganese and aberration of hippocampal adult neurogenesis after oral exposure to manganese chloride in mice. <i>Toxicology</i> , 2015, 331, 24-34.	4.2	26
47	Paradoxical development of polymyositis-like autoimmunity through augmented expression of autoimmune regulator (AIRE). <i>Journal of Autoimmunity</i> , 2018, 86, 75-92.	6.5	26
48	A 13-week subchronic toxicity study of madder color in F344 rats. <i>Food and Chemical Toxicology</i> , 2008, 46, 241-252.	3.6	25
49	Concomitant apoptosis and regeneration of liver cells as a mechanism of liver-tumor promotion by β -naphthoflavone involving TNF α -signaling due to oxidative cellular stress in rats. <i>Toxicology</i> , 2011, 283, 8-17.	4.2	25
50	Tumor suppression effects of bilberry extracts and enzymatically modified isoquercitrin in early preneoplastic liver cell lesions induced by piperonyl butoxide promotion in a two-stage rat hepatocarcinogenesis model. <i>Experimental and Toxicologic Pathology</i> , 2014, 66, 225-234.	2.1	25
51	Expression alterations of genes on both neuronal and glial development in rats after developmental exposure to 6-propyl-2-thiouracil. <i>Toxicology Letters</i> , 2014, 228, 225-234.	0.8	25
52	Limited lactational transfer of acrylamide to rat offspring on maternal oral administration during the gestation and lactation periods. <i>Archives of Toxicology</i> , 2009, 83, 785-793.	4.2	24
53	Cilostazol and enzymatically modified isoquercitrin attenuate experimental colitis and colon cancer in mice by inhibiting cell proliferation and inflammation. <i>Food and Chemical Toxicology</i> , 2017, 100, 103-114.	3.6	24
54	Maternal Exposure to Valproic Acid Primarily Targets Interneurons Followed by Late Effects on Neurogenesis in the Hippocampal Dentate Gyrus in Rat Offspring. <i>Neurotoxicity Research</i> , 2017, 31, 46-62.	2.7	24

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55	Elevation of cell proliferation via generation of reactive oxygen species by piperonyl butoxide contributes to its liver tumor-promoting effects in mice. <i>Archives of Toxicology</i> , 2010, 84, 155-164.	4.2	23
56	In Vivo Imaging of Tissue-Remodeling Activity Involving Infiltration of Macrophages by a Systemically Administered Protease-Activatable Probe in Colon Cancer Tissues. <i>Translational Oncology</i> , 2013, 6, 628-IN4.	3.7	23
57	In Vivo Genotoxicity of Methyleugenol in gpt Delta Transgenic Rats Following Medium-Term Exposure. <i>Toxicological Sciences</i> , 2013, 131, 387-394.	3.1	23
58	Aberrant activation of ubiquitin D at G₂ phase and apoptosis by carcinogens that evoke cell proliferation after 28-day administration in rats. <i>Journal of Toxicological Sciences</i> , 2012, 37, 1093-1111.	1.5	22
59	Global DNA methylation screening of liver in piperonyl butoxide-treated mice in a two-stage hepatocarcinogenesis model. <i>Toxicology Letters</i> , 2013, 222, 295-302.	0.8	22
60	Effects of developmental hypothyroidism induced by maternal administration of methimazole or propylthiouracil on the immune system of rats. <i>International Immunopharmacology</i> , 2007, 7, 1630-1638.	3.8	21
61	Involvement of multiple cell cycle aberrations in early preneoplastic liver cell lesions by tumor promotion with thioacetamide in a two-stage rat hepatocarcinogenesis model. <i>Experimental and Toxicologic Pathology</i> , 2013, 65, 979-988.	2.1	21
62	Ameliorating effect of postweaning exposure to antioxidant on disruption of hippocampal neurogenesis induced by developmental hypothyroidism in rats. <i>Journal of Toxicological Sciences</i> , 2019, 44, 357-372.	1.5	21
63	Possible contribution of rubiadin, a metabolite of madder color, to renal carcinogenesis in rats. <i>Food and Chemical Toxicology</i> , 2009, 47, 752-759.	3.6	20
64	Hippocampal Neurogenesis as a Critical Target of Neurotoxicants Contained in Foods. <i>Food Safety (Tokyo, Japan)</i> , 2015, 3, 1-15.	1.8	20
65	Developmental exposure to T-2 toxin reversibly affects postnatal hippocampal neurogenesis and reduces neural stem cells and progenitor cells in mice. <i>Archives of Toxicology</i> , 2016, 90, 2009-2024.	4.2	20
66	Methacarn fixation effects of tissue processing and storage conditions on detection of mRNAs and proteins in paraffin-embedded tissues. <i>Analytical Biochemistry</i> , 2006, 351, 36-43.	2.4	19
67	No effect of sustained systemic growth retardation on the distribution of Reelin-expressing interneurons in the neuron-producing hippocampal dentate gyrus in rats. <i>Reproductive Toxicology</i> , 2010, 30, 591-599.	2.9	19
68	Disruption of Smad-dependent signaling for growth of GST-P-positive lesions from the early stage in a rat two-stage hepatocarcinogenesis model. <i>Toxicology and Applied Pharmacology</i> , 2010, 246, 128-140.	2.8	19
69	Glycidol induces axonopathy and aberrations of hippocampal neurogenesis affecting late-stage differentiation by exposure to rats in a framework of 28-day toxicity study. <i>Toxicology Letters</i> , 2014, 224, 424-432.	0.8	19
70	Developmental cuprizone exposure impairs oligodendrocyte lineages differentially in cortical and white matter tissues and suppresses glutamatergic neurogenesis signals and synaptic plasticity in the hippocampal dentate gyrus of rats. <i>Toxicology and Applied Pharmacology</i> , 2016, 290, 10-20.	2.8	19
71	Reversible aberration of neurogenesis affecting late-stage differentiation in the hippocampal dentate gyrus of rat offspring after maternal exposure to manganese chloride. <i>Reproductive Toxicology</i> , 2012, 34, 408-419.	2.9	18
72	Proliferative and Nonproliferative Lesions of the Rat and Mouse Central and Peripheral Nervous Systems: New and Revised INHAND Terms. <i>Toxicologic Pathology</i> , 2020, 48, 827-844.	1.8	18

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73	Crosstalk between PTEN/Akt2 and TGF β ² signaling involving EGF receptor down-regulation during the tumor promotion process from the early stage in a rat two-stage hepatocarcinogenesis model. <i>Cancer Science</i> , 2009, 100, 813-820.	3.9	17
74	Induction of GST-P-positive proliferative lesions facilitating lipid peroxidation with possible involvement of transferrin receptor up-regulation and ceruloplasmin down-regulation from the early stage of liver tumor promotion in rats. <i>Archives of Toxicology</i> , 2010, 84, 319-331.	4.2	17
75	Cellular distribution of cell cycle-related molecules in the renal tubules of rats treated with renal carcinogens for 28 days: relationship between cell cycle aberration and carcinogenesis. <i>Archives of Toxicology</i> , 2012, 86, 1453-1464.	4.2	17
76	Lack of genotoxic mechanisms in early-stage furan-induced hepatocellular tumorigenesis in <i>gpt</i> Δ rats. <i>Journal of Applied Toxicology</i> , 2017, 37, 142-149.	2.8	17
77	Apocynin and enzymatically modified isoquercitrin suppress the expression of a NADPH oxidase subunit p22phox in steatosis-related preneoplastic liver foci of rats. <i>Experimental and Toxicologic Pathology</i> , 2017, 69, 9-16.	2.1	17
78	Cellular distributions of molecules with altered expression specific to the tumor promotion process from the early stage in a rat two-stage hepatocarcinogenesis model. <i>Carcinogenesis</i> , 2008, 29, 2218-2226.	2.8	16
79	Cytokeratin 8/18 is a Useful Immunohistochemical Marker for Hepatocellular Proliferative Lesions in Mice. <i>Journal of Veterinary Medical Science</i> , 2010, 72, 263-269.	0.9	16
80	Oxidative DNA damage and reporter gene mutation in the livers of <i>gpt</i> Δ rats given non-genotoxic hepatocarcinogens with cytochrome P450 α -inducible potency. <i>Cancer Science</i> , 2010, 101, 2525-2530.	3.9	16
81	Gene expression profile of brain regions reflecting aberrations in nervous system development targeting the process of neurite extension of rat offspring exposed developmentally to glycidol. <i>Journal of Applied Toxicology</i> , 2014, 34, 1389-1399.	2.8	16
82	Maternal exposure to hexachlorophene targets intermediate-stage progenitor cells of the hippocampal neurogenesis in rat offspring via dysfunction of cholinergic inputs by myelin vacuolation. <i>Toxicology</i> , 2015, 328, 123-134.	4.2	16
83	Molecular imaging of aberrant crypt foci in the human colon targeting glutathione S-transferase P1-1. <i>Scientific Reports</i> , 2017, 7, 6536.	3.3	16
84	Hypothalamus region-specific global gene expression profiling in early stages of central endocrine disruption in rat neonates injected with estradiol benzoate or flutamide. <i>Developmental Neurobiology</i> , 2007, 67, 253-269.	3.0	15
85	Aberrant activation of M phase proteins by cell proliferation-evoking carcinogens after 28-day administration in rats. <i>Toxicology Letters</i> , 2013, 219, 203-210.	0.8	15
86	Fluorescence tumor imaging by i.v. administered indocyanine green in a mouse model of colitis-associated colon cancer. <i>Cancer Science</i> , 2018, 109, 1638-1647.	3.9	15
87	Inhibitory effect of γ -lipoic acid on thioacetamide-induced tumor promotion through suppression of inflammatory cell responses in a two-stage hepatocarcinogenesis model in rats. <i>Chemico-Biological Interactions</i> , 2013, 205, 108-118.	4.0	14
88	Onset of hepatocarcinogen-specific cell proliferation and cell cycle aberration during the early stage of repeated hepatocarcinogen administration in rats. <i>Journal of Applied Toxicology</i> , 2016, 36, 223-237.	2.8	14
89	Differential effects between developmental and postpubertal exposure to N-methyl-N-nitrosourea on progenitor cell proliferation of rat hippocampal neurogenesis in relation to COX2 expression in granule cells. <i>Toxicology</i> , 2017, 389, 55-66.	4.2	14
90	Continuous exposure to γ -glycosyl isoquercitrin from developmental stage facilitates fear extinction learning in rats. <i>Journal of Functional Foods</i> , 2019, 55, 312-324.	3.4	14

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91	Establishment of Intestinal Organoid from <i>Rousettus leschenaultii</i> and the Susceptibility to Bat-Associated Viruses, SARS-CoV-2 and Pteropine Orthoreovirus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10763.	4.1	14
92	Life stage-related differences in susceptibility to acrylamide-induced neural and testicular toxicity. <i>Archives of Toxicology</i> , 2011, 85, 1109-1120.	4.2	13
93	Downregulation of immediate-early genes linking to suppression of neuronal plasticity in rats after 28-day exposure to glycidol. <i>Toxicology and Applied Pharmacology</i> , 2014, 279, 150-162.	2.8	13
94	Fluorescence contrast-enhanced proliferative lesion imaging by enema administration of indocyanine green in a rat model of colon carcinogenesis. <i>Oncotarget</i> , 2017, 8, 90278-90290.	1.8	13
95	Transient suppression of late-stage neuronal progenitor cell differentiation in the hippocampal dentate gyrus of rat offspring after maternal exposure to nicotine. <i>Archives of Toxicology</i> , 2014, 88, 443-454.	4.2	12
96	Immunohistochemistry of aberrant neuronal development induced by 6-propyl-2-thiouracil in rats. <i>Toxicology Letters</i> , 2016, 261, 59-71.	0.8	12
97	Gene expression profiling of the hippocampal dentate gyrus in an adult toxicity study captures a variety of neurodevelopmental dysfunctions in rat models of hypothyroidism. <i>Journal of Applied Toxicology</i> , 2016, 36, 24-34.	2.8	12
98	Developmental Exposure to Aluminum Chloride Irreversibly Affects Postnatal Hippocampal Neurogenesis Involving Multiple Functions in Mice. <i>Toxicological Sciences</i> , 2018, 164, 264-277.	3.1	12
99	Developmental Exposure of Mice to T-2 Toxin Increases Astrocytes and Hippocampal Neural Stem Cells Expressing Metallothionein. <i>Neurotoxicity Research</i> , 2019, 35, 668-683.	2.7	12
100	Effects of Exposure to Decabromodiphenyl Ether on the Development of the Immune System in Rats. <i>Journal of Health Science</i> , 2008, 54, 382-389.	0.9	11
101	Cellular distributions of molecules with altered expression specific to thyroid proliferative lesions developing in a rat thyroid carcinogenesis model. <i>Cancer Science</i> , 2009, 100, 617-625.	3.9	11
102	Threshold dose of liver tumor promoting effect of β -naphthoflavone in rats. <i>Journal of Toxicological Sciences</i> , 2012, 37, 517-526.	1.5	11
103	Disruptive cell cycle regulation involving epigenetic downregulation of <i>Cdkn2a</i> (p16 ^{Ink4a}) in early-stage liver tumor-promotion facilitating liver cell regeneration in rats. <i>Toxicology</i> , 2012, 299, 146-154.	4.2	11
104	Reversible effect of maternal exposure to chlorpyrifos on the intermediate granule cell progenitors in the hippocampal dentate gyrus of rat offspring. <i>Reproductive Toxicology</i> , 2013, 35, 125-136.	2.9	11
105	Reversible effect of developmental exposure to chlorpyrifos on late-stage neurogenesis in the hippocampal dentate gyrus in mouse offspring. <i>Reproductive Toxicology</i> , 2013, 38, 25-36.	2.9	11
106	Twenty-eight-day repeated oral doses of sodium valproic acid increases neural stem cells and suppresses differentiation of granule cell lineages in adult hippocampal neurogenesis of postpubertal rats. <i>Toxicology Letters</i> , 2019, 312, 195-203.	0.8	11
107	Ameliorating effect of continuous alpha-glycosyl isoquercitrin treatment starting from late gestation in a rat autism model induced by postnatal injection of lipopolysaccharides. <i>Chemico-Biological Interactions</i> , 2022, 351, 109767.	4.0	11
108	Rapid deposition of glomerular IgA in BALB/c mice by nivalenol and its modifying effect on high IgA strain (HIGA) mice. <i>Experimental and Toxicologic Pathology</i> , 2011, 63, 17-24.	2.1	10

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109	Expression patterns of cell cycle proteins in the livers of rats treated with hepatocarcinogens for 28 days. Archives of Toxicology, 2013, 87, 1141-1153.	4.2	10
110	Developmental exposure to cuprizone reduces intermediate-stage progenitor cells and cholinergic signals in the hippocampal neurogenesis in rat offspring. Toxicology Letters, 2015, 234, 180-193.	0.8	10
111	Maternal exposure to ochratoxin A targets intermediate progenitor cells of hippocampal neurogenesis in rat offspring via cholinergic signal downregulation and oxidative stress responses. Reproductive Toxicology, 2016, 65, 113-122.	2.9	10
112	Identification of epigenetically downregulated Tmem70 and Ube2e2 in rat liver after 28-day treatment with hepatocarcinogenic thioacetamide showing gene product downregulation in hepatocellular preneoplastic and neoplastic lesions produced by tumor promotion. Toxicology Letters, 2017, 266, 13-22.	0.8	10
113	Developmental exposure of citreoviridin transiently affects hippocampal neurogenesis targeting multiple regulatory functions in mice. Food and Chemical Toxicology, 2018, 120, 590-602.	3.6	10
114	Involvement of glycogen synthase kinase-3 β signaling and aberrant nucleocytoplasmic localization of retinoblastoma protein in tumor promotion in a rat two-stage thyroid carcinogenesis model. Experimental and Toxicologic Pathology, 2010, 62, 269-280.	2.1	9
115	Tumor promotion by copper-overloading and its enhancement by excess iron accumulation involving oxidative stress responses in the early stage of a rat two-stage hepatocarcinogenesis model. Chemico-Biological Interactions, 2010, 185, 189-201.	4.0	9
116	Lac color inhibits development of rat thyroid carcinomas through targeting activation of plasma hyaluronan-binding protein. Experimental Biology and Medicine, 2012, 237, 728-738.	2.4	9
117	Increased cellular distribution of vimentin and Ret in the cingulum induced by developmental hypothyroidism in rat offspring maternally exposed to anti-thyroid agents. Reproductive Toxicology, 2012, 34, 93-100.	2.9	9
118	Involvement of PTEN/Akt signaling and oxidative stress on indole-3-carbinol (I3C)-induced hepatocarcinogenesis in rats. Experimental and Toxicologic Pathology, 2013, 65, 845-852.	2.1	9
119	The Japan Flavour and Fragrance Materials Association's (JFFMA) safety assessment of acetal food flavouring substances uniquely used in Japan. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2015, 32, 1384-1396.	2.3	9
120	Immunohistochemical cellular distribution of proteins related to M phase regulation in early proliferative lesions induced by tumor promotion in rat two-stage carcinogenesis models. Experimental and Toxicologic Pathology, 2014, 66, 1-11.	2.1	8
121	Exposure to MnCl ₂ ·4H ₂ O during development induces activation of microglial and perivascular macrophage populations in the hippocampal dentate gyrus of rats. Journal of Applied Toxicology, 2015, 35, 529-535.	2.8	8
122	Involvement of Mouse Constitutive Androstane Receptor in Acifluorfen-Induced Liver Injury and Subsequent Tumor Development. Toxicological Sciences, 2016, 151, 271-285.	3.1	8
123	Spirolactone in Combination with β -glycosyl Isoquercitrin Prevents Steatosis-related Early Hepatocarcinogenesis in Rats through the Observed NADPH Oxidase Modulation. Toxicologic Pathology, 2018, 46, 530-539.	1.8	8
124	Induction of cellular senescence as a late effect and BDNF-TrkB signaling-mediated ameliorating effect on disruption of hippocampal neurogenesis after developmental exposure to lead acetate in rats. Toxicology, 2021, 456, 152782.	4.2	8
125	Increased Cellular Distribution of Vimentin and Ret in the Cingulum of Rat Offspring After Developmental Exposure to Decabromodiphenyl Ether or 1,2,5,6,9,10-Hexabromocyclododecane. Journal of Toxicologic Pathology, 2013, 26, 119-129.	0.7	8
126	Continuous exposure to β -glycosyl isoquercitrin from developmental stages to adulthood is necessary for facilitating fear extinction learning in rats. Journal of Toxicologic Pathology, 2020, 33, 247-263.	0.7	8

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127	Modification of dietary copper levels on the early stage of tumor-promotion with propylthiouracil in a rat two-stage thyroid carcinogenesis model. <i>Chemico-Biological Interactions</i> , 2009, 180, 262-270.	4.0	7
128	Gene Expression Profiling and Cellular Distribution of Molecules with Altered Expression in the Hippocampal CA1 Region after Developmental Exposure to Anti-Thyroid Agents in Rats. <i>Journal of Veterinary Medical Science</i> , 2010, 72, 187-195.	0.9	7
129	Involvement of PTEN/Akt signaling in capsular invasive carcinomas developed in a rat two-stage thyroid carcinogenesis model after promotion with sulfadimethoxine. <i>Journal of Cancer Research and Clinical Oncology</i> , 2011, 137, 723-732.	2.5	7
130	Enhanced liver tumor promotion but not liver initiation activity in rats subjected to combined administration of omeprazole and β -naphthoflavone. <i>Journal of Toxicological Sciences</i> , 2012, 37, 969-985.	1.5	7
131	Adolescent hyperactivity of offspring after maternal protein restriction during the second half of gestation and lactation periods in rats. <i>Journal of Toxicological Sciences</i> , 2012, 37, 345-352.	1.5	7
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