Takashi Umemura

List of Publications by Year in Descending Order

84 papers	1,901 citations	26 h-index	40 g-index
85 ext. papers	2,005 ext. citations	4 avg, IF	3.89 L-index

#	Paper	IF	Citations
84	Background data of 2-year-old male and female F344 delta rats. *Journal of Toxicologic Pathology*, **2021**, 34, 23-31	1.4	0
83	The role of DNA polymerase in benzo[a]pyrene-induced mutagenesis in the mouse lung. *Mutagenesis*, **2021**, 36, 155-164	2.8	
82	Furan Induced Characteristic Glutathione -Transferase Placental Form-Positive Foci in Terms of Cell Kinetics and Gene Expression. *Toxicologic Pathology*, **2020**, 48, 756-765	2.1	1
81	DNA modifications that do not cause gene mutations confer the potential for mutagenicity by combined treatment with food chemicals. *Food and Chemical Toxicology*, **2019**, 129, 144-152	4.7	2
80	Effects of inhibition of hepatic sulfotransferase activity on renal genotoxicity induced by lucidin-3-O-primeveroside. *Journal of Applied Toxicology*, **2019**, 39, 650-657	4.1	3
79	Role of oxidative stress in the chemical structure-related genotoxicity of nitrofurantoin in -deficient delta mice. *Journal of Toxicologic Pathology*, **2018**, 31, 169-178	1.4	5
78	Mechanisms of oxidative stress-induced mutagenicity by potassium bromate and nitrofurantoin. *Journal of Toxicologic Pathology*, **2018**, 31, 179-188	1.4	6
77	Mechanisms Underlying Exacerbation of Osmotic Nephrosis Caused by Pre-existing Kidney Injury. *Toxicological Sciences*, **2018**, 165, 420-430	4.4	4
76	Lack of genotoxic mechanisms in early-stage furan-induced hepatocellular tumorigenesis in gpt delta rats. *Journal of Applied Toxicology*, **2017**, 37, 142-149	4.1	10
75	In vivo reporter gene mutation and micronucleus assays in gpt delta mice treated with a flame retardant decabromodiphenyl ether. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2017**, 816-817, 7-11	3	1
74	Phosphorylation of protein phosphatase 2A facilitated an early stage of chemical carcinogenesis. *Toxicology and Applied Pharmacology*, **2017**, 336, 75-83	4.6	2
73	Effects of Nrf2 silencing on oxidative stress-associated intestinal carcinogenesis in mice. *Cancer Medicine*, **2016**, 5, 1228-38	4.8	23
72	Chemical structure-related mechanisms underlying in vivo genotoxicity induced by nitrofurantoin and its constituent moieties in gpt delta rats. *Toxicology*, **2015**, 331, 125-35	4.4	12
71	A medium-term gpt delta rat model as an in vivo system for analysis of renal carcinogenesis and the underlying mode of action. *Experimental and Toxicologic Pathology*, **2015**, 67, 31-9		7
70	Acrylamide induces specific DNA adduct formation and gene mutations in a carcinogenic target site, the mouse lung. *Mutagenesis*, **2015**, 30, 227-35	2.8	22
69	Role of p53 in the progression from ochratoxin A-induced DNA damage to gene mutations in the kidneys of mice. *Toxicological Sciences*, **2015**, 144, 65-76	4.4	26
68	Improvement and validation of a medium-term gpt delta rat model for predicting chemical carcinogenicity and underlying mode of action. *Experimental and Toxicologic Pathology*, **2014**, 66, 313-21		6

67	Combined application of comprehensive analysis for DNA modification and reporter gene mutation assay to evaluate kidneys of gpt delta rats given madder color or its constituents. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 2467-75	4.4	13
66	Absence of in vivo genotoxicity of 3-monochloropropane-1,2-diol and associated fatty acid esters in a 4-week comprehensive toxicity study using F344 gpt delta rats. *Mutagenesis*, **2014**, 29, 295-302	2.8	28
65	Lack of nrf2 results in progression of proliferative lesions to neoplasms induced by long-term exposure to non-genotoxic hepatocarcinogens involving oxidative stress. *Experimental and Toxicologic Pathology*, **2014**, 66, 19-26		11
64	Possible Carcinogenic Mechanisms Underlying Renal Carcinogens in Food. *Food Safety (Tokyo, Japan)*, **2014**, 2, 17-30	2.1	3
63	Ochratoxin A induces DNA double-strand breaks and large deletion mutations in the carcinogenic target site of gpt delta rats. *Mutagenesis*, **2014**, 29, 27-36	2.8	33
62	No effect of high fat diet-induced obesity on spontaneous reporter gene mutations in gpt delta mice. *Asian Pacific Journal of Cancer Prevention*, **2014**, 15, 7149-52	1.7	1
61	Effects of p53 knockout on ochratoxin A-induced genotoxicity in p53-deficient gpt delta mice. *Toxicology*, **2013**, 304, 92-9	4.4	27
60	Cell cycle progression, but not genotoxic activity, mainly contributes to citrinin-induced renal carcinogenesis. *Toxicology*, **2013**, 311, 216-24	4.4	25
59	Oxidative DNA damage and in vivo mutagenicity caused by reactive oxygen species generated in the livers of p53-proficient or -deficient gpt delta mice treated with non-genotoxic hepatocarcinogens. *Journal of Applied Toxicology*, **2013**, 33, 1433-41	4.1	15
58	Molecular mechanisms underlying ochratoxin A-induced genotoxicity: global gene expression analysis suggests induction of DNA double-strand breaks and cell cycle progression. *Journal of Toxicological Sciences*, **2013**, 38, 57-69	1.9	34
57	Development of a Medium-term Animal Model Using gpt Delta Rats to Evaluate Chemical Carcinogenicity and Genotoxicity. *Journal of Toxicologic Pathology*, **2013**, 26, 19-27	1.4	11
56	In vivo genotoxicity of 1-methylnaphthalene from comprehensive toxicity studies with B6C3F1 gpt delta mice. *Journal of Toxicological Sciences*, **2012**, 37, 711-21	1.9	5
55	Possible involvement of genotoxic mechanisms in estragole-induced hepatocarcinogenesis in rats. *Archives of Toxicology*, **2012**, 86, 1593-601	5.8	25
54	Determination of lucidin-specific DNA adducts by liquid chromatography with tandem mass spectrometry in the livers and kidneys of rats given lucidin-3-O-primeveroside. *Chemical Research in Toxicology*, **2012**, 25, 1112-8	4	12
53	Possible involvement of sulfotransferase 1A1 in estragole-induced DNA modification and carcinogenesis in the livers of female mice. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2012**, 749, 23-8	3	19
52	Approach to understanding the modes of action underlying ochratoxin A-induced renal carcinogenesis. *Mycotoxins*, **2012**, 62, 143-148	0.2	
51	Characterization of nitrated phenolic compounds for their anti-oxidant, pro-oxidant, and nitration activities. *Archives of Biochemistry and Biophysics*, **2011**, 513, 10-8	4.1	4
50	Antigenotoxic effects of p53 on spontaneous and ultraviolet light B--induced deletions in the epidermis of gpt delta transgenic mice. *Environmental and Molecular Mutagenesis*, **2011**, 52, 244-52	3.2	8

49	Detection and quantification of specific DNA adducts by liquid chromatography-tandem mass spectrometry in the livers of rats given estragole at the carcinogenic dose. *Chemical Research in Toxicology*, **2011**, 24, 532-41	4	27
48	Site-specific in vivo mutagenicity in the kidney of gpt delta rats given a carcinogenic dose of ochratoxin A. *Toxicological Sciences*, **2011**, 122, 406-14	4.4	66
47	Oxidative DNA damage and reporter gene mutation in the livers of gpt delta rats given non-genotoxic hepatocarcinogens with cytochrome P450-inducible potency. *Cancer Science*, **2010**, 101, 2525-30	6.9	16
46	Integration of in vivo genotoxicity and short-term carcinogenicity assays using F344 gpt delta transgenic rats: in vivo mutagenicity of 2,4-diaminotoluene and 2,6-diaminotoluene structural isomers. *Toxicological Sciences*, **2010**, 114, 71-8	4.4	30
45	Chemical structure determination of DNA bases modified by active metabolites of lucidin-3-O-primeveroside. *Chemical Research in Toxicology*, **2010**, 23, 134-41	4	21
44	Enhancing effects of carbon tetrachloride on in vivo mutagenicity in the liver of mice fed 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx). *Journal of Toxicological Sciences*, **2010**, 35, 709-20	1.9	5
43	Effects of co-treatment of dextran sulfate sodium and MeIQx on genotoxicity and possible carcinogenicity in the colon of p53-deficient mice. *Journal of Toxicological Sciences*, **2010**, 35, 731-41	1.9	5
42	Elevation of cell proliferation via generation of reactive oxygen species by piperonyl butoxide contributes to its liver tumor-promoting effects in mice. *Archives of Toxicology*, **2010**, 84, 155-64	5.8	18
41	Dietary catechol causes increased oxidative DNA damage in the livers of mice treated with acetaminophen. *Toxicology*, **2009**, 263, 93-9	4.4	5
40	Involvement of oxidative stress in hepatocellular tumor-promoting activity of oxfendazole in rats. *Archives of Toxicology*, **2009**, 83, 503-11	5.8	28
39	Simultaneous induction of non-neoplastic and neoplastic lesions with highly proliferative hepatocytes following dietary exposure of rats to tocotrienol for 2 years. *Archives of Toxicology*, **2009**, 83, 1021-30	5.8	6
38	Possible participation of oxidative stress in causation of cell proliferation and in vivo mutagenicity in kidneys of gpt delta rats treated with potassium bromate. *Toxicology*, **2009**, 257, 46-52	4.4	34
37	Lack of promotion activity of diacylglycerol oil on 4-nitroquinoline 1-oxide induced carcinogenesis in the oral cavity of SD rats. *Food and Chemical Toxicology*, **2008**, 46, 3206-12	4.7	2
36	Combined ascorbic acid and sodium nitrite treatment induces oxidative DNA damage-associated mutagenicity in vitro, but lacks initiation activity in rat forestomach epithelium. *Toxicological Sciences*, **2008**, 104, 274-82	4.4	9
35	A possible role of nrf2 in prevention of renal oxidative damage by ferric nitrilotriacetate. *Toxicologic Pathology*, **2008**, 36, 353-61	2.1	24
34	Enhancement of esophageal carcinogenesis in acid reflux model rats treated with ascorbic acid and sodium nitrite in combination with or without initiation. *Cancer Science*, **2008**, 99, 7-13	6.9	9
33	beta-Naphthoflavone enhances oxidative stress responses and the induction of preneoplastic lesions in a diethylnitrosamine-initiated hepatocarcinogenesis model in partially hepatectomized rats. *Toxicology*, **2008**, 244, 179-89	4.4	49
32	Induction of characteristic hepatocyte proliferative lesion with dietary exposure of Wistar Hannover rats to tocotrienol for 1 year. *Toxicology*, **2008**, 250, 143-50	4.4	22

31	In vivo Approaches to Study Mechanism of Action of Genotoxic Carcinogens. *Genes and Environment*, **2008**, 30, 120-124	2.8	4
30	Possible involvement of oxidative stress in piperonyl butoxide induced hepatocarcinogenesis in rats. *Toxicology*, **2007**, 236, 61-75	4.4	71
29	Increased susceptibility to hepatocarcinogenicity of Nrf2-deficient mice exposed to 2-amino-3-methylimidazo[4,5-f]quinoline. *Cancer Science*, **2007**, 98, 19-24	6.9	55
28	Combined treatment with green tea catechins and sodium nitrite selectively promotes rat forestomach carcinogenesis after initiation with N-methyl-NT nitro-N-nitrosoguanidine. *Cancer Science*, **2007**, 98, 949-57	6.9	12
27	Lack of in vivo mutagenicity and oxidative DNA damage by flumequine in the livers of gpt delta mice. *Archives of Toxicology*, **2007**, 81, 63-9	5.8	12
26	Detection of oxidative DNA damage, cell proliferation and in vivo mutagenicity induced by dicyclanil, a non-genotoxic carcinogen, using gpt delta mice. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2007**, 633, 46-54	3	24
25	Possible involvement of oxidative stress in dicyclanil-induced hepatocarcinogenesis in mice. *Archives of Toxicology*, **2006**, 80, 694-702	5.8	16
24	Etiology of bromate-induced cancer and possible modes of action-studies in Japan. *Toxicology*, **2006**, 221, 154-7	4.4	31
23	A crucial role of Nrf2 in in vivo defense against oxidative damage by an environmental pollutant, pentachlorophenol. *Toxicological Sciences*, **2006**, 90, 111-9	4.4	69
22	Possible involvement of NO-mediated oxidative stress in induction of rat forestomach damage and cell proliferation by combined treatment with catechol and sodium nitrite. *Archives of Biochemistry and Biophysics*, **2006**, 447, 127-35	4.1	12
21	Nine-week detection of six genotoxic lung carcinogens using the rasH2/BHT mouse model. *Cancer Letters*, **2006**, 231, 314-8	9.9	13
20	In vivo mutagenicity and initiation following oxidative DNA lesion in the kidneys of rats given potassium bromate. *Cancer Science*, **2006**, 97, 829-35	6.9	43
19	In vivo mutational analysis of liver DNA in gpt delta transgenic rats treated with the hepatocarcinogens N-nitrosopyrrolidine, 2-amino-3-methylimidazo[4,5-f]quinoline, and di(2-ethylhexyl)phthalate. *Molecular Carcinogenesis*, **2005**, 42, 9-17	5	44
18	Induction of colon tumors in C57BL/6J mice fed MeIQx, IQ, or PhIP followed by dextran sulfate sodium treatment. *Toxicological Sciences*, **2005**, 84, 243-8	4.4	20
17	Dose-related changes of oxidative stress and cell proliferation in kidneys of male and female F344 rats exposed to potassium bromate. *Cancer Science*, **2004**, 95, 393-8	6.9	45
16	Prevention of dual promoting effects of pentachlorophenol, an environmental pollutant, on diethylnitrosamine-induced hepato- and cholangiocarcinogenesis in mice by green tea infusion. *Carcinogenesis*, **2003**, 24, 1105-9	4.6	49
15	Low dose genotoxicity of 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) in gpt delta transgenic mice. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2003**, 541, 91-102	3	33
14	Pentachlorophenol (but not phenobarbital) promotes intrahepatic biliary cysts induced by diethylnitrosamine to cholangio cystic neoplasms in B6C3F1 mice possibly due to oxidative stress. *Toxicologic Pathology*, **2003**, 31, 10-3	2.1	9

13	The mouse rasH2/BHT model as an in vivo rapid assay for lung carcinogens. *Japanese Journal of Cancer Research*, **2002**, 93, 861-6		5
12	Reactive Oxygen and Nitrogen Oxide Species-induced Stress, a Major Intrinsic Factor Involved in Carcinogenic Processes and a Possible Target for Cancer Prevention. *Asian Pacific Journal of Cancer Prevention*, **2002**, 3, 313-318	1.7	11
11	Butylhydroxytoluene (BHT) increases susceptibility of transgenic rasH2 mice to lung carcinogenesis. *Journal of Cancer Research and Clinical Oncology*, **2001**, 127, 583-90	4.9	7
10	Lack of oxidative DNA damage or initiation of carcinogenesis in the kidneys of male F344 rats given subchronic exposure to p-dichlorobenzene (pDCB) at a carcinogenic dose. *Archives of Toxicology*, **2000**, 74, 54-9	5.8	11
9	Susceptibility to urethane carcinogenesis of transgenic mice carrying a human prototype c-Ha-ras gene (rasH2 mice) and its modification by butylhydroxytoluene. *Cancer Letters*, **1999**, 145, 101-6	9.9	16
8	Oxidative DNA damage and cell proliferation in kidneys of male and female rats during 13-weeks exposure to potassium bromate (KBrO3). *Archives of Toxicology*, **1998**, 72, 264-9	5.8	51
7	Prevention by 2-mercaptoethane sulfonate and N-acetylcysteine of renal oxidative damage in rats treated with ferric nitrilotriacetate. *Japanese Journal of Cancer Research*, **1996**, 87, 882-6		44
6	A possible role for oxidative stress in potassium bromate (KBrO3) carcinogenesis. *Carcinogenesis*, **1995**, 16, 593-7	4.6	48
5	A possible role for cell proliferation in potassium bromate (KBrO3) carcinogenesis. *Journal of Cancer Research and Clinical Oncology*, **1993**, 119, 463-9	4.9	18
4	The protective role of glutathione, cysteine and vitamin C against oxidative DNA damage induced in rat kidney by potassium bromate. *Japanese Journal of Cancer Research*, **1992**, 83, 45-51		80
3	Cell proliferation induced in the kidneys and livers of rats and mice by short term exposure to the carcinogen p-dichlorobenzene. *Archives of Toxicology*, **1992**, 66, 503-7	5.8	45
2	Relation of 8-hydroxydeoxyguanosine formation in rat kidney to lipid peroxidation, glutathione level and relative organ weight after a single administration of potassium bromate. *Japanese Journal of Cancer Research*, **1991**, 82, 165-9		72
1	Formation of 8-hydroxydeoxyguanosine (8-OH-dG) in rat kidney DNA after intraperitoneal administration of ferric nitrilotriacetate (Fe-NTA). *Carcinogenesis*, **1990**, 11, 345-7	4.6	151