

# Takashi Umemura

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Formation of 8-hydroxydeoxyguanosine (8-OH-dG) in rat kidney DNA after intraperitoneal administration of ferric nitrilotriacetate (Fe-NTA). <i>Carcinogenesis</i> , <b>1990</b> , 11, 345-7	4.6	151
83	The protective role of glutathione, cysteine and vitamin C against oxidative DNA damage induced in rat kidney by potassium bromate. <i>Japanese Journal of Cancer Research</i> , <b>1992</b> , 83, 45-51		80
82	Relation of 8-hydroxydeoxyguanosine formation in rat kidney to lipid peroxidation, glutathione level and relative organ weight after a single administration of potassium bromate. <i>Japanese Journal of Cancer Research</i> , <b>1991</b> , 82, 165-9		72
81	Possible involvement of oxidative stress in piperonyl butoxide induced hepatocarcinogenesis in rats. <i>Toxicology</i> , <b>2007</b> , 236, 61-75	4.4	71
80	A crucial role of Nrf2 in in vivo defense against oxidative damage by an environmental pollutant, pentachlorophenol. <i>Toxicological Sciences</i> , <b>2006</b> , 90, 111-9	4.4	69
79	Site-specific in vivo mutagenicity in the kidney of gpt delta rats given a carcinogenic dose of ochratoxin A. <i>Toxicological Sciences</i> , <b>2011</b> , 122, 406-14	4.4	66
78	Increased susceptibility to hepatocarcinogenicity of Nrf2-deficient mice exposed to 2-amino-3-methylimidazo[4,5-f]quinoline. <i>Cancer Science</i> , <b>2007</b> , 98, 19-24	6.9	55
77	Oxidative DNA damage and cell proliferation in kidneys of male and female rats during 13-weeks exposure to potassium bromate (KBrO <sub>3</sub> ). <i>Archives of Toxicology</i> , <b>1998</b> , 72, 264-9	5.8	51
76	beta-Naphthoflavone enhances oxidative stress responses and the induction of preneoplastic lesions in a diethylnitrosamine-initiated hepatocarcinogenesis model in partially hepatectomized rats. <i>Toxicology</i> , <b>2008</b> , 244, 179-89	4.4	49
75	Prevention of dual promoting effects of pentachlorophenol, an environmental pollutant, on diethylnitrosamine-induced hepato- and cholangiocarcinogenesis in mice by green tea infusion. <i>Carcinogenesis</i> , <b>2003</b> , 24, 1105-9	4.6	49
74	A possible role for oxidative stress in potassium bromate (KBrO <sub>3</sub> ) carcinogenesis. <i>Carcinogenesis</i> , <b>1995</b> , 16, 593-7	4.6	48
73	Dose-related changes of oxidative stress and cell proliferation in kidneys of male and female F344 rats exposed to potassium bromate. <i>Cancer Science</i> , <b>2004</b> , 95, 393-8	6.9	45
72	Cell proliferation induced in the kidneys and livers of rats and mice by short term exposure to the carcinogen p-dichlorobenzene. <i>Archives of Toxicology</i> , <b>1992</b> , 66, 503-7	5.8	45
71	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. <i>Molecular Carcinogenesis</i> , <b>2005</b> , 42, 9-17	5	44
70	Prevention by 2-mercaptoethane sulfonate and N-acetylcysteine of renal oxidative damage in rats treated with ferric nitrilotriacetate. <i>Japanese Journal of Cancer Research</i> , <b>1996</b> , 87, 882-6		44
69	In vivo mutagenicity and initiation following oxidative DNA lesion in the kidneys of rats given potassium bromate. <i>Cancer Science</i> , <b>2006</b> , 97, 829-35	6.9	43
68	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> , <b>2013</b> , 38, 57-69	1.9	34

67	Possible participation of oxidative stress in causation of cell proliferation and in vivo mutagenicity in kidneys of gpt delta rats treated with potassium bromate. <i>Toxicology</i> , <b>2009</b> , 257, 46-52	4.4	34
66	Ochratoxin A induces DNA double-strand breaks and large deletion mutations in the carcinogenic target site of gpt delta rats. <i>Mutagenesis</i> , <b>2014</b> , 29, 27-36	2.8	33
65	Low dose genotoxicity of 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) in gpt delta transgenic mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2003</b> , 541, 91-102	3.2	33
64	Etiology of bromate-induced cancer and possible modes of action-studies in Japan. <i>Toxicology</i> , <b>2006</b> , 221, 154-7	4.4	31
63	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. <i>Toxicological Sciences</i> , <b>2010</b> , 114, 71-8	4.4	30
62	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. <i>Mutagenesis</i> , <b>2014</b> , 29, 295-302	2.8	28
61	Involvement of oxidative stress in hepatocellular tumor-promoting activity of oxfendazole in rats. <i>Archives of Toxicology</i> , <b>2009</b> , 83, 503-11	5.8	28
60	Effects of p53 knockout on ochratoxin A-induced genotoxicity in p53-deficient gpt delta mice. <i>Toxicology</i> , <b>2013</b> , 304, 92-9	4.4	27
59	Detection and quantification of specific DNA adducts by liquid chromatography-tandem mass spectrometry in the livers of rats given estragole at the carcinogenic dose. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 532-41	4	27
58	Role of p53 in the progression from ochratoxin A-induced DNA damage to gene mutations in the kidneys of mice. <i>Toxicological Sciences</i> , <b>2015</b> , 144, 65-76	4.4	26
57	Cell cycle progression, but not genotoxic activity, mainly contributes to citrinin-induced renal carcinogenesis. <i>Toxicology</i> , <b>2013</b> , 311, 216-24	4.4	25
56	Possible involvement of genotoxic mechanisms in estragole-induced hepatocarcinogenesis in rats. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 1593-601	5.8	25
55	A possible role of nrf2 in prevention of renal oxidative damage by ferric nitrilotriacetate. <i>Toxicologic Pathology</i> , <b>2008</b> , 36, 353-61	2.1	24
54	Detection of oxidative DNA damage, cell proliferation and in vivo mutagenicity induced by dicyclanil, a non-genotoxic carcinogen, using gpt delta mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2007</b> , 633, 46-54	3	24
53	Effects of Nrf2 silencing on oxidative stress-associated intestinal carcinogenesis in mice. <i>Cancer Medicine</i> , <b>2016</b> , 5, 1228-38	4.8	23
52	Acrylamide induces specific DNA adduct formation and gene mutations in a carcinogenic target site, the mouse lung. <i>Mutagenesis</i> , <b>2015</b> , 30, 227-35	2.8	22
51	Induction of characteristic hepatocyte proliferative lesion with dietary exposure of Wistar Hannover rats to tocotrienol for 1 year. <i>Toxicology</i> , <b>2008</b> , 250, 143-50	4.4	22
50	Chemical structure determination of DNA bases modified by active metabolites of lucidin-3-O-primeveroside. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 134-41	4	21

49	Induction of colon tumors in C57BL/6J mice fed MeIQx, IQ, or Phip followed by dextran sulfate sodium treatment. <i>Toxicological Sciences</i> , <b>2005</b> , 84, 243-8	4.4	20
48	Possible involvement of sulfotransferase 1A1 in estragole-induced DNA modification and carcinogenesis in the livers of female mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2012</b> , 749, 23-8	3	19
47	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> , <b>2010</b> , 84, 155-64	5.8	18
46	A possible role for cell proliferation in potassium bromate (KBrO <sub>3</sub> ) carcinogenesis. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>1993</b> , 119, 463-9	4.9	18
45	Oxidative DNA damage and reporter gene mutation in the livers of gpt delta rats given non-genotoxic hepatocarcinogens with cytochrome P450-inducible potency. <i>Cancer Science</i> , <b>2010</b> , 101, 2525-30	6.9	16
44	Possible involvement of oxidative stress in dicyclanil-induced hepatocarcinogenesis in mice. <i>Archives of Toxicology</i> , <b>2006</b> , 80, 694-702	5.8	16
43	Susceptibility to urethane carcinogenesis of transgenic mice carrying a human prototype c-Ha-ras gene (rasH2 mice) and its modification by butylhydroxytoluene. <i>Cancer Letters</i> , <b>1999</b> , 145, 101-6	9.9	16
42	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. <i>Journal of Applied Toxicology</i> , <b>2013</b> , 33, 1433-41	4.1	15
41	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. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 2467-75	4.4	13
40	Nine-week detection of six genotoxic lung carcinogens using the rasH2/BHT mouse model. <i>Cancer Letters</i> , <b>2006</b> , 231, 314-8	9.9	13
39	Chemical structure-related mechanisms underlying in vivo genotoxicity induced by nitrofurantoin and its constituent moieties in gpt delta rats. <i>Toxicology</i> , <b>2015</b> , 331, 125-35	4.4	12
38	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. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 1112-8	4	12
37	Combined treatment with green tea catechins and sodium nitrite selectively promotes rat forestomach carcinogenesis after initiation with N-methyl-NF nitro-N-nitrosoguanidine. <i>Cancer Science</i> , <b>2007</b> , 98, 949-57	6.9	12
36	Lack of in vivo mutagenicity and oxidative DNA damage by flumequine in the livers of gpt delta mice. <i>Archives of Toxicology</i> , <b>2007</b> , 81, 63-9	5.8	12
35	Possible involvement of NO-mediated oxidative stress in induction of rat forestomach damage and cell proliferation by combined treatment with catechol and sodium nitrite. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 447, 127-35	4.1	12
34	Lack of nrf2 results in progression of proliferative lesions to neoplasms induced by long-term exposure to non-genotoxic hepatocarcinogens involving oxidative stress. <i>Experimental and Toxicologic Pathology</i> , <b>2014</b> , 66, 19-26		11
33	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. <i>Archives of Toxicology</i> , <b>2000</b> , 74, 54-9	5.8	11
32	Development of a Medium-term Animal Model Using gpt Delta Rats to Evaluate Chemical Carcinogenicity and Genotoxicity. <i>Journal of Toxicologic Pathology</i> , <b>2013</b> , 26, 19-27	1.4	11

31	Reactive Oxygen and Nitrogen Oxide Species-induced Stress, a Major Intrinsic Factor Involved in Carcinogenic Processes and a Possible Target for Cancer Prevention. <i>Asian Pacific Journal of Cancer Prevention</i> , <b>2002</b> , 3, 313-318	1.7	11
30	Lack of genotoxic mechanisms in early-stage furan-induced hepatocellular tumorigenesis in gpt delta rats. <i>Journal of Applied Toxicology</i> , <b>2017</b> , 37, 142-149	4.1	10
29	Combined ascorbic acid and sodium nitrite treatment induces oxidative DNA damage-associated mutagenicity in vitro, but lacks initiation activity in rat forestomach epithelium. <i>Toxicological Sciences</i> , <b>2008</b> , 104, 274-82	4.4	9
28	Enhancement of esophageal carcinogenesis in acid reflux model rats treated with ascorbic acid and sodium nitrite in combination with or without initiation. <i>Cancer Science</i> , <b>2008</b> , 99, 7-13	6.9	9
27	Pentachlorophenol (but not phenobarbital) promotes intrahepatic biliary cysts induced by diethylnitrosamine to cholangio cystic neoplasms in B6C3F1 mice possibly due to oxidative stress. <i>Toxicologic Pathology</i> , <b>2003</b> , 31, 10-3	2.1	9
26	Antigenotoxic effects of p53 on spontaneous and ultraviolet light B--induced deletions in the epidermis of gpt delta transgenic mice. <i>Environmental and Molecular Mutagenesis</i> , <b>2011</b> , 52, 244-52	3.2	8
25	A medium-term gpt delta rat model as an in vivo system for analysis of renal carcinogenesis and the underlying mode of action. <i>Experimental and Toxicologic Pathology</i> , <b>2015</b> , 67, 31-9		7
24	Butylhydroxytoluene (BHT) increases susceptibility of transgenic rasH2 mice to lung carcinogenesis. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2001</b> , 127, 583-90	4.9	7
23	Improvement and validation of a medium-term gpt delta rat model for predicting chemical carcinogenicity and underlying mode of action. <i>Experimental and Toxicologic Pathology</i> , <b>2014</b> , 66, 313-21		6
22	Simultaneous induction of non-neoplastic and neoplastic lesions with highly proliferative hepatocytes following dietary exposure of rats to tocotrienol for 2 years. <i>Archives of Toxicology</i> , <b>2009</b> , 83, 1021-30	5.8	6
21	Mechanisms of oxidative stress-induced mutagenicity by potassium bromate and nitrofurantoin. <i>Journal of Toxicologic Pathology</i> , <b>2018</b> , 31, 179-188	1.4	6
20	In vivo genotoxicity of 1-methylnaphthalene from comprehensive toxicity studies with B6C3F1 gpt delta mice. <i>Journal of Toxicological Sciences</i> , <b>2012</b> , 37, 711-21	1.9	5
19	Dietary catechol causes increased oxidative DNA damage in the livers of mice treated with acetaminophen. <i>Toxicology</i> , <b>2009</b> , 263, 93-9	4.4	5
18	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). <i>Journal of Toxicological Sciences</i> , <b>2010</b> , 35, 709-20	1.9	5
17	Effects of co-treatment of dextran sulfate sodium and MeIQx on genotoxicity and possible carcinogenicity in the colon of p53-deficient mice. <i>Journal of Toxicological Sciences</i> , <b>2010</b> , 35, 731-41	1.9	5
16	The mouse rasH2/BHT model as an in vivo rapid assay for lung carcinogens. <i>Japanese Journal of Cancer Research</i> , <b>2002</b> , 93, 861-6		5
15	Role of oxidative stress in the chemical structure-related genotoxicity of nitrofurantoin in -deficient delta mice. <i>Journal of Toxicologic Pathology</i> , <b>2018</b> , 31, 169-178	1.4	5
14	Characterization of nitrated phenolic compounds for their anti-oxidant, pro-oxidant, and nitration activities. <i>Archives of Biochemistry and Biophysics</i> , <b>2011</b> , 513, 10-8	4.1	4

13	In vivo Approaches to Study Mechanism of Action of Genotoxic Carcinogens. <i>Genes and Environment</i> , <b>2008</b> , 30, 120-124	2.8	4
12	Mechanisms Underlying Exacerbation of Osmotic Nephrosis Caused by Pre-existing Kidney Injury. <i>Toxicological Sciences</i> , <b>2018</b> , 165, 420-430	4.4	4
11	Effects of inhibition of hepatic sulfotransferase activity on renal genotoxicity induced by lucidin-3-O-primeveroside. <i>Journal of Applied Toxicology</i> , <b>2019</b> , 39, 650-657	4.1	3
10	Possible Carcinogenic Mechanisms Underlying Renal Carcinogens in Food. <i>Food Safety (Tokyo, Japan)</i> , <b>2014</b> , 2, 17-30	2.1	3
9	Phosphorylation of protein phosphatase 2A facilitated an early stage of chemical carcinogenesis. <i>Toxicology and Applied Pharmacology</i> , <b>2017</b> , 336, 75-83	4.6	2
8	DNA modifications that do not cause gene mutations confer the potential for mutagenicity by combined treatment with food chemicals. <i>Food and Chemical Toxicology</i> , <b>2019</b> , 129, 144-152	4.7	2
7	Lack of promotion activity of diacylglycerol oil on 4-nitroquinoline 1-oxide induced carcinogenesis in the oral cavity of SD rats. <i>Food and Chemical Toxicology</i> , <b>2008</b> , 46, 3206-12	4.7	2
6	In vivo reporter gene mutation and micronucleus assays in gpt delta mice treated with a flame retardant decabromodiphenyl ether. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2017</b> , 816-817, 7-11	3	1
5	No effect of high fat diet-induced obesity on spontaneous reporter gene mutations in gpt delta mice. <i>Asian Pacific Journal of Cancer Prevention</i> , <b>2014</b> , 15, 7149-52	1.7	1
4	Furan Induced Characteristic Glutathione -Transferase Placental Form-Positive Foci in Terms of Cell Kinetics and Gene Expression. <i>Toxicologic Pathology</i> , <b>2020</b> , 48, 756-765	2.1	1
3	Background data of 2-year-old male and female F344 delta rats. <i>Journal of Toxicologic Pathology</i> , <b>2021</b> , 34, 23-31	1.4	0
2	Approach to understanding the modes of action underlying ochratoxin A-induced renal carcinogenesis. <i>Mycotoxins</i> , <b>2012</b> , 62, 143-148	0.2	
1	The role of DNA polymerase $\beta$ in benzo[a]pyrene-induced mutagenesis in the mouse lung. <i>Mutagenesis</i> , <b>2021</b> , 36, 155-164	2.8	