

Takehiko Nohmi

List of Publications by Year in descending order

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174
papers

7,362
citations

81900

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174
all docs

174
docs citations

174
times ranked

4642
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#	ARTICLE	IF	CITATIONS
1	Background data of 2-year-old male and female F344 <i>gpt</i> delta rats. <i>Journal of Toxicologic Pathology</i> , 2021, 34, 23-31.	0.7	1
2	The role of DNA polymerase η in benzo[a]pyrene-induced mutagenesis in the mouse lung. <i>Mutagenesis</i> , 2021, 36, 155-164.	2.6	0
3	Error-prone bypass patch by a low-fidelity variant of DNA polymerase zeta in human cells. <i>DNA Repair</i> , 2021, 100, 103052.	2.8	5
4	New homozygous <i>gpt</i> delta transgenic rat strain improves an efficiency of the in vivo mutagenicity assay. <i>Genes and Environment</i> , 2021, 43, 25.	2.1	4
5	Characteristic mutations induced in the small intestine of <i>Msh2</i> -knockout <i>gpt</i> delta mice. <i>Genes and Environment</i> , 2021, 43, 27.	2.1	2
6	Mutagenicity of carcinogenic heterocyclic amines in <i>Salmonella typhimurium</i> YG strains and transgenic rodents including <i>gpt</i> delta. <i>Genes and Environment</i> , 2021, 43, 38.	2.1	9
7	Comparison of the frequencies of ENU-induced point mutations in male germ cells and inherited germline mutations in their offspring. <i>Genes and Environment</i> , 2021, 43, 43.	2.1	3
8	Effects of DNA polymerase κ and mismatch repair on doseâ€“responses of chromosome aberrations induced by three oxidative genotoxins in human cells. <i>Environmental and Molecular Mutagenesis</i> , 2020, 61, 193-199.	2.2	1
9	Lack of In Vivo Mutagenicity of Acetamide in a 13-Week Comprehensive Toxicity Study Using F344 <i>gpt</i> Delta Rats. <i>Toxicological Sciences</i> , 2020, 177, 431-440.	3.1	5
10	Effects of the <i>scid</i> mutation on X-ray-induced deletions in the brain and spleen of <i>gpt</i> delta mice. <i>Genes and Environment</i> , 2020, 42, 19.	2.1	2
11	Oxidative-stress-driven mutagenesis in the small intestine of the <i>gpt</i> delta mouse induced by oral administration of potassium bromate. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 850-851, 503136.	1.7	8
12	My career development with Ames test: A personal recollection. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 847, 503095.	1.7	1
13	DNA polymerase κ counteracts inflammationâ€“induced mutagenesis in multiple organs of mice. <i>Environmental and Molecular Mutagenesis</i> , 2019, 60, 320-330.	2.2	9
14	Mutant Frequency is not Increased in Mice Orally Exposed to Sodium Dichromate. <i>Food Safety (Tokyo,)</i> Tj ETQq0 0.0 rgBT /Overlock 10	1.8	11
15	Impact of DNA polymerase η mutations on genotoxic thresholds of oxidative mutagens. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 828, 10-14.	1.7	3
16	Thresholds of Genotoxic and Non-Genotoxic Carcinogens. <i>Toxicological Research</i> , 2018, 34, 281-290.	2.1	98
17	Chemically-Induced DNA Damage, Mutagenesis, and Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1767.	4.1	16
18	Change over time of the mutagenicity in the lungs of <i>gpt</i> delta transgenic mice by extract of airborne particles collected from ambient air in the Tokyo metropolitan area. <i>Genes and Environment</i> , 2018, 40, 25.	2.1	3

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19	In vivo positive mutagenicity of 1,4-dioxane and quantitative analysis of its mutagenicity and carcinogenicity in rats. Archives of Toxicology, 2018, 92, 3207-3221.	4.2	28
20	The general Assembly of the International Association of Environmental Mutagenesis and Genomics Societies (IAEMGS) in 2017. Genes and Environment, 2018, 40, .	2.1	0
21	Lack of genotoxic mechanisms in early-stage furan-induced hepatocellular tumorigenesis in gpt delta rats. Journal of Applied Toxicology, 2017, 37, 142-149.	2.8	17
22	Transgenic rat models for mutagenesis and carcinogenesis. Genes and Environment, 2017, 39, 11.	2.1	35
23	Phosphorylation of protein phosphatase 2A facilitated an early stage of chemical carcinogenesis. Toxicology and Applied Pharmacology, 2017, 336, 75-83.	2.8	2
24	Limited ability of DNA polymerase kappa to suppress benzo[a]pyrene-induced genotoxicity in vivo. Environmental and Molecular Mutagenesis, 2017, 58, 644-653.	2.2	10
25	DNA polymerase kappa protects human cells against MMC-induced genotoxicity through error-free translesion DNA synthesis. Genes and Environment, 2017, 39, 6.	2.1	18
26	The role of DNA polymerase Î¶ in translesion synthesis across bulky DNA adducts and cross-links in human cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2016, 791-792, 35-41.	1.0	11
27	Sensitivity of human cells expressing low-fidelity or weak-catalytic-activity variants of DNA polymerase Î¶ to genotoxic stresses. DNA Repair, 2016, 45, 34-43.	2.8	10
28	Dose-dependent de novo germline mutations detected by whole-exome sequencing in progeny of ENU-treated male gpt delta mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 810, 30-39.	1.7	11
29	Possible Mechanisms Underlying Genotoxic Thresholds. , 2016, , 49-66.		7
30	Estimation of the frequency of inherited germline mutations by whole exome sequencing in ethyl nitrosourea-treated and untreated gpt delta mice. Genes and Environment, 2016, 38, 10.	2.1	19
31	Past, Present and Future Directions of gpt delta Rodent Gene Mutation Assays. Food Safety (Tokyo, Japan), 2016, 4, 1-13.	1.8	14
32	Validation study of the combined repeated-dose toxicity and genotoxicity assay using gpt delta rats. Cancer Science, 2015, 106, 529-541.	3.9	14
33	Alterations in the mutagenicity and mutation spectrum induced by benzo[a]pyrene instilled in the lungs of gpt delta mice of various ages. Genes and Environment, 2015, 37, 7.	2.1	5
34	Greetings from The International Association of Environmental Mutagenesis and Genomics Societies. Genes and Environment, 2015, 37, 2.	2.1	3
35	Genomic integration of lambda EG10 transgene in gpt delta transgenic rodents. Genes and Environment, 2015, 37, 24.	2.1	23
36	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.	3.1	29

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37	Chemical structure-related mechanisms underlying <i>in vivo</i> genotoxicity induced by nitrofurantoin and its constituent moieties in gpt delta rats. <i>Toxicology</i> , 2015, 331, 125-135.	4.2	12
38	Catalytic and non-catalytic roles of DNA polymerase η in the protection of human cells against genotoxic stresses. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 650-662.	2.2	21
39	A medium-term gpt delta rat model as an <i>in vivo</i> system for analysis of renal carcinogenesis and the underlying mode of action. <i>Experimental and Toxicologic Pathology</i> , 2015, 67, 31-39.	2.1	7
40	Ochratoxin A induces DNA double-strand breaks and large deletion mutations in the carcinogenic target site of gpt delta rats. <i>Mutagenesis</i> , 2014, 29, 27-36.	2.6	38
41	<i>In vivo</i> mutagenicity of arsenite in the livers of gpt delta transgenic mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 760, 42-47.	1.7	26
42	<i>In vivo</i> evidence that DNA polymerase kappa is responsible for error-free bypass across DNA cross-links induced by mitomycin C. <i>DNA Repair</i> , 2014, 24, 113-121.	2.8	17
43	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> , 2014, 66, 313-321.	2.1	6
44	Genotoxicity of phenacetin in the kidney and liver of Sprague-Dawley gpt delta transgenic rats in 26-week and 52-week repeated-dose studies. <i>Toxicology</i> , 2014, 324, 10-17.	4.2	5
45	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> , 2014, 406, 2467-2475.	3.7	16
46	Absence of <i>in vivo</i> 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> , 2014, 29, 295-302.	2.6	33
47	<i>In vivo</i> evidence that phenylalanine 171 acts as a molecular brake for translesion DNA synthesis across benzo[a]pyrene DNA adducts by human DNA polymerase η . <i>DNA Repair</i> , 2014, 15, 21-28.	2.8	10
48	Past, Present, and Future Challenges of the International Association of Environmental Mutagenesis and Genomics Societies (IAEMGS). <i>Genes and Environment</i> , 2014, 36, 29-32.	2.1	0
49	Evaluation of the genotoxicity of tamoxifen in the liver and kidney of F344 gpt delta transgenic rat in 3-week and 13-week repeated dose studies. <i>Toxicology</i> , 2013, 312, 56-62.	4.2	7
50	Cell cycle progression, but not genotoxic activity, mainly contributes to citrinin-induced renal carcinogenesis. <i>Toxicology</i> , 2013, 311, 216-224.	4.2	30
51	Oxidative DNA damage and <i>in vivo</i> 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> , 2013, 33, 1433-1441.	2.8	18
52	DNA polymerase η -dependent DNA synthesis at stalled replication forks is important for CHK1 activation. <i>EMBO Journal</i> , 2013, 32, 2172-2185.	7.8	60
53	<i>In Vivo</i> Genotoxicity of Methyleugenol in gpt Delta Transgenic Rats Following Medium-Term Exposure. <i>Toxicological Sciences</i> , 2013, 131, 387-394.	3.1	23
54	Evaluation of <i>in vivo</i> genotoxicity induced by N-ethyl-N-nitrosourea, benzo[a]pyrene, and 4-nitroquinoline-1-oxide in the Pig-a and gpt assays. <i>Environmental and Molecular Mutagenesis</i> , 2013, 54, 747-754.	2.2	23

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55	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
56	Development of a Medium-term Animal Model Using <i>gpt</i> Delta Rats to Evaluate Chemical Carcinogenicity and Genotoxicity. <i>Journal of Toxicologic Pathology</i> , 2013, 26, 19-27.	0.7	12
57	Restoration of Mismatch Repair Functions in Human Cell Line Nalm-6, Which Has High Efficiency for Gene Targeting. <i>PLoS ONE</i> , 2013, 8, e61189.	2.5	11
58	Possible involvement of genotoxic mechanisms in estragole-induced hepatocarcinogenesis in rats. <i>Archives of Toxicology</i> , 2012, 86, 1593-1601.	4.2	29
59	The application of hepatic P450 reductase null <i>gpt delta</i> mice in studying the role of hepatic P450 in genotoxic carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced mutagenesis. <i>Archives of Toxicology</i> , 2012, 86, 1753-1761.	4.2	7
60	<i>E scherichia coli</i> DNA polymerase III is responsible for the high level of spontaneous mutations in mutT strains. <i>Molecular Microbiology</i> , 2012, 86, 1364-1375.	2.5	19
61	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> , 2012, 749, 23-28.	1.7	24
62	in vivo Approaches to Identify Mutations and in vitro Research to Reveal Underlying Mechanisms of Genotoxic Thresholds. <i>Genes and Environment</i> , 2012, 34, 146-152.	2.1	7
63	Evaluation of the Genotoxicity of Aristolochic Acid in the Kidney and Liver of F344 <i>gpt delta</i> Transgenic Rat Using a 28-Day Repeated-dose Protocol: A Collaborative Study of the <i>gpt delta</i> Transgenic Rat Mutation Assay. <i>Genes and Environment</i> , 2012, 34, 18-24.	2.1	11
64	Evaluation of In Vivo Mutagenicity by 2,4-Diaminotoluene and 2,6-Diaminotoluene in Liver of F344 <i>gpt delta</i> Transgenic Rat Dosed for 28 Days: A Collaborative Study of the <i>gpt delta</i> Transgenic Rat Mutation Assay. <i>Genes and Environment</i> , 2012, 34, 25-33.	2.1	6
65	Evaluation of the in vivo Mutagenicity of Nickel Subsulfide in the Lung of F344 <i>gpt delta</i> Transgenic Rats Exposed by Intratracheal Instillation: A Collaborative Study for the <i>gpt delta</i> Transgenic Rat Mutation Assay. <i>Genes and Environment</i> , 2012, 34, 34-44.	2.1	3
66	Chemopreventive effects of silymarin against 1,2-dimethylhydrazine plus dextran sodium sulfate-induced inflammation-associated carcinogenicity and genotoxicity in the colon of <i>gpt delta</i> rats. <i>Carcinogenesis</i> , 2011, 32, 1512-1517.	2.8	21
67	Strategies in case of positive in vivo results in genotoxicity testing. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 723, 121-128.	1.7	22
68	Phenylalanine 171 is a molecular brake for translesion synthesis across benzo[a]pyrene-guanine adducts by human DNA polymerase kappa. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 718, 10-17.	1.7	18
69	Modulatory Effects of Capsaicin on N-diethylnitrosamine (DEN)-induced Mutagenesis in <i>Salmonella typhimurium</i> YG7108 and DEN-induced Hepatocarcinogenesis in <i>gpt Delta</i> Transgenic Rats. <i>Genes and Environment</i> , 2011, 33, 160-166.	2.1	3
70	Acrylamide genotoxicity in young versus adult <i>gpt delta</i> male rats. <i>Mutagenesis</i> , 2011, 26, 545-549.	2.6	22
71	Involvement of mismatch repair proteins in adaptive responses induced by N-methyl-N-2-nitro-N-nitrosoguanidine against I ³ -induced genotoxicity in human cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 713, 56-63.	1.0	5
72	Antigenotoxic effects of p53 on spontaneous and ultraviolet light B-induced deletions in the epidermis of <i>gpt delta</i> transgenic mice. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 244-252.	2.2	10

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73	Site-Specific In Vivo 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
74	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> , 2010, 35, 709-720.	1.5	5
75	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> , 2010, 35, 731-741.	1.5	7
76	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> , 2010, 101, 2525-2530.	3.9	16
77	Mutagenic potency of <i>Helicobacter pylori</i> in the gastric mucosa of mice is determined by sex and duration of infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15217-15222.	7.1	40
78	Critical amino acids in human DNA polymerases β and δ involved in erroneous incorporation of oxidized nucleotides. <i>Nucleic Acids Research</i> , 2010, 38, 859-867.	14.5	26
79	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> , 2010, 114, 71-78.	3.1	31
80	DNA polymerases involved in the incorporation of oxidized nucleotides into DNA: Their efficiency and template base preference. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 703, 24-31.	1.7	42
81	Nucleotide pool damage and its biological consequences. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 703, 1.	1.7	0
82	Radiation Dose-Rate Effect on Mutation Induction in Spleen and Liver of gpt delta Mice. <i>Radiation Research</i> , 2010, 173, 138.	1.5	16
83	DinB Upregulation Is the Sole Role of the SOS Response in Stress-Induced Mutagenesis in <i>Escherichia coli</i> . <i>Genetics</i> , 2009, 182, 55-68.	2.9	102
84	Genetic Analysis of Repair and Damage Tolerance Mechanisms for DNA-Protein Cross-Links in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2009, 191, 5657-5668.	2.2	31
85	Inhibition of translesion DNA polymerase by archaeal reverse gyrase. <i>Nucleic Acids Research</i> , 2009, 37, 4287-4295.	14.5	23
86	Mutagenicity testing for chemical risk assessment: update of the WHO/IPCS Harmonized Scheme. <i>Mutagenesis</i> , 2009, 24, 341-349.	2.6	193
87	Translesional DNA Synthesis through a C8-Guanyl Adduct of 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in Vitro. <i>Journal of Biological Chemistry</i> , 2009, 284, 25585-25592.	3.4	11
88	Role of Parp-1 in suppressing spontaneous deletion mutation in the liver and brain of mice at adolescence and advanced age. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 664, 20-27.	1.0	20
89	Genotoxicity of nano/microparticles in in vitro micronuclei, in vivo comet and mutation assay systems. <i>Particle and Fibre Toxicology</i> , 2009, 6, 23.	6.2	83
90	Genotoxic responses to titanium dioxide nanoparticles and fullerene in gpt delta transgenic MEF cells. <i>Particle and Fibre Toxicology</i> , 2009, 6, 3.	6.2	92

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91	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> , 2009, 257, 46-52.	4.2	36
92	The Steric Gate Amino Acid Tyrosine 112 Is Required for Efficient Mismatched-Primer Extension by Human DNA Polymerase β . <i>Biochemistry</i> , 2009, 48, 4239-4246.	2.5	32
93	Spontaneous Mutagenesis in Rodents: Spontaneous Gene Mutations Identified by Neutral Reporter Genes in gpt Delta Transgenic Mice and Rats. <i>Journal of Health Science</i> , 2009, 55, 40-49.	0.9	9
94	Alteration of Genome Structure Induced by Very Low Dose-Rate Irradiation in Mouse Tissues. <i>Data Science Journal</i> , 2009, 8, BR36-BR41.	1.3	1
95	Overproduction of <i>Escherichia coli</i> DNA polymerase DinB (Pol IV) inhibits replication fork progression and is lethal. <i>Molecular Microbiology</i> , 2008, 70, 608-622.	2.5	70
96	Specificity of mutations induced by incorporation of oxidized dNTPs into DNA by human DNA polymerase β . <i>DNA Repair</i> , 2008, 7, 497-506.	2.8	16
97	Differential effects of low- and high-dose X-rays on N-ethyl-N-nitrosourea-induced mutagenesis in thymocytes of B6C3F1 gpt-delta mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 640, 27-37.	1.0	20
98	Possible Mechanisms of Practical Thresholds for Genotoxicity. <i>Genes and Environment</i> , 2008, 30, 108-113.	2.1	6
99	International Symposium on Genotoxic and Carcinogenic Thresholds. <i>Genes and Environment</i> , 2008, 30, 101-107.	2.1	6
100	In vivo Approaches to Study Mechanism of Action of Genotoxic Carcinogens. <i>Genes and Environment</i> , 2008, 30, 120-124.	2.1	4
101	Combined genotoxic effects of radiation and a tobacco-specific nitrosamine in the lung of gpt delta transgenic mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 626, 15-25.	1.7	15
102	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> , 2007, 633, 46-54.	1.7	26
103	Efficient and Erroneous Incorporation of Oxidized DNA Precursors by Human DNA Polymerase β . <i>Biochemistry</i> , 2007, 46, 5515-5522.	2.5	34
104	New Insight into Intrachromosomal Deletions Induced by Chrysotile in the gptdelta Transgenic Mutation Assay. <i>Environmental Health Perspectives</i> , 2007, 115, 87-92.	6.0	26
105	Mutations in the lungs of gpt delta transgenic mice following inhalation of diesel exhaust. <i>Environmental and Molecular Mutagenesis</i> , 2007, 48, 682-693.	2.2	26
106	Lack of in vivo mutagenicity and oxidative DNA damage by flumequine in the livers of gpt delta mice. <i>Archives of Toxicology</i> , 2007, 81, 63-69.	4.2	13
107	Biochemical evidence of a physical interaction between <i>Sulfolobus solfataricus</i> B-family and Y-family DNA polymerases. <i>Extremophiles</i> , 2007, 11, 277-282.	2.3	15
108	Novel DNA Polymerases and Novel Genotoxicity Assays. <i>Genes and Environment</i> , 2007, 29, 75-88.	2.1	12

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109	Specificity of replicative and SOS-inducible DNA polymerases in frameshift mutagenesis: Mutability of <i>Salmonella typhimurium</i> strains overexpressing SOS-inducible DNA polymerases to 30 chemical mutagens. <i>DNA Repair</i> , 2006, 5, 465-478.	2.8	21
110	A newly established GDL1 cell line from gpt delta mice well reflects the in vivo mutation spectra induced by mitomycin C. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 609, 102-115.	1.7	9
111	Development of a Bacterial Hyper-sensitive Tester Strain for Specific Detection of the Genotoxicity of Polycyclic Aromatic Hydrocarbons. <i>Genes and Environment</i> , 2006, 28, 23-30.	2.1	8
112	In vivo 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
113	Deletion and single nucleotide substitution at G:C in the kidney of gpt delta transgenic mice after ferric nitrilotriacetate treatment. <i>Cancer Science</i> , 2006, 97, 1159-1167.	3.9	20
114	MX, a by-product of water chlorination, lacks in vivo genotoxicity in gpt delta mice but inhibits gap junctional intercellular communication in rat WB cells. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 48-55.	2.2	15
115	In vivo mutagenesis in the lungs of gpt-delta transgenic mice treated intratracheally with 1,6-dinitropyrene. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 277-283.	2.2	14
116	IL-10 deficiency leads to somatic mutations in a model of IBD. <i>Carcinogenesis</i> , 2006, 27, 1068-1073.	2.8	38
117	Involvement of Y-Family DNA Polymerases in Mutagenesis Caused by Oxidized Nucleotides in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2006, 188, 4992-4995.	2.2	46
118	Environmental Stress and Lesion-Bypass DNA Polymerases. <i>Annual Review of Microbiology</i> , 2006, 60, 231-253.	7.3	137
119	Chemopreventive Effects of Nobiletin against Genotoxicity Induced by 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) in the Lung of gpt delta Transgenic Mice. <i>Genes and Environment</i> , 2006, 28, 84-91.	2.1	2
120	Visualization of the interaction between archaeal DNA polymerase and uracil-containing DNA by atomic force microscopy. <i>Genes To Cells</i> , 2005, 11, 3-11.	1.2	2
121	Parp-1 deficiency causes an increase of deletion mutations and insertions/rearrangements in vivo after treatment with an alkylating agent. <i>Oncogene</i> , 2005, 24, 1328-1337.	5.9	59
122	Modulation of oxidative mutagenesis and carcinogenesis by polymorphic forms of human DNA repair enzymes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 591, 60-73.	1.0	83
123	In vivo mutagenesis induced by benzo[a]pyrene instilled into the lung of gpt delta transgenic mice. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 365-373.	2.2	27
124	Molecular nature of intrachromosomal deletions and base substitutions induced by environmental mutagens. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 150-161.	2.2	59
125	Light-dependent mutagenesis by benzo[a]pyrene is mediated via oxidative DNA damage. <i>Environmental and Molecular Mutagenesis</i> , 2005, 46, 141-149.	2.2	18
126	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> , 2005, 42, 9-17.	2.7	50

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127	Mechanisms of chemopreventive effects of 8-methoxypsoralen against 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced mouse lung adenomas. <i>Carcinogenesis</i> , 2005, 26, 1947-1955.	2.8	44
128	Mutagenesis Induced by Oxidized DNA Precursors: Roles of Y Family DNA Polymerases in <i>Escherichia coli</i> . <i>Chemical Research in Toxicology</i> , 2005, 18, 1271-1278.	3.3	15
129	Molecular dissection of in vivo DNA rearrangements induced by radiation and chemical mutagens. <i>International Congress Series</i> , 2005, 1276, 25-28.	0.2	0
130	Roles of replicative and specialized DNA polymerases in frameshift mutagenesis: Mutability of <i>Salmonella typhimurium</i> strains lacking one or all of SOS-inducible DNA polymerases to 26 chemicals. <i>DNA Repair</i> , 2005, 4, 1160-1171.	2.8	23
131	Suppression of chemically induced and spontaneously occurring oxidative mutagenesis by three alleles of human OGG1 gene encoding 8-hydroxyguanine DNA glycosylase. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 554, 365-374.	1.0	15
132	Efficient method for mapping and characterizing structures of deletion mutations in <i>gpt delta</i> mice using Southern blot analysis with oligo DNA probes. <i>Environmental and Molecular Mutagenesis</i> , 2004, 43, 204-207.	2.2	3
133	<i>gpt delta</i> transgenic mouse: A novel approach for molecular dissection of deletion mutations. <i>Advances in Biophysics</i> , 2004, 38, 97-121.	0.5	31
134	<i>Gpt delta</i> transgenic mouse: a novel approach for molecular dissection of deletion mutations in vivo. <i>Advances in Biophysics</i> , 2004, 38, 97-121.	0.5	1
135	Novel transgenic rat for in vivo genotoxicity assays using 6-thioguanine and Spi ⁺ selection. <i>Environmental and Molecular Mutagenesis</i> , 2003, 41, 253-259.	2.2	56
136	Erroneous incorporation of oxidized DNA precursors by Y family DNA polymerases. <i>EMBO Reports</i> , 2003, 4, 269-273.	4.5	69
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