Takehiko Nohmi

List of Publications by Year
in descending order

174	7,362	81900 39	64796 79
papers	citations	h-index	g-index

174	174	174	4642
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Y-Family of DNA Polymerases. Molecular Cell, 2001, 8, 7-8.	9.7	798
2	The dinB Gene Encodes a Novel E. coli DNA Polymerase, DNA Pol IV, Involved in Mutagenesis. Molecular Cell, 1999, 4, 281-286.	9.7	439
3	Genetic polymorphisms and alternative splicing of the hOGG1 gene, that is involved in the repair of 8-hydroxyguanine in damaged DNA. Oncogene, 1998, 16, 3219-3225.	5.9	408
4	Sensitive method for the detection of mutagenic nitroarenes and aromatic amines: new derivatives of Salmonella typhimurium tester strains possessing elevated O-acetyltransferase levels. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1990, 234, 337-348.	0.4	285
5	Cloning of a human homolog of the yeast OGG1 gene that is involved in the repair of oxidative DNA damage. Oncogene, 1997, 14, 2857-2861.	5.9	249
6	Recent advances in the protocols of transgenic mouse mutation assays. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2000, 455, 191-215.	1.0	198
7	Mutagenicity testing for chemical risk assessment: update of the WHO/IPCS Harmonized Scheme. Mutagenesis, 2009, 24, 341-349.	2.6	193
8	Mutagenicity of 30 chemicals in Salmonella typhimurium strains possessing different nitroreductase or O-acetyltransferase activities. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1991, 259, 95-102.	1.2	158
9	The Î² clamp targets DNA polymerase IV to DNA and strongly increases its processivity. EMBO Reports, 2000, 1, 484-488.	4.5	158
10	Escherichia coli DNA Polymerase IV Mutator Activity: Genetic Requirements and Mutational Specificity. Journal of Bacteriology, 2000, 182, 4587-4595.	2.2	154
11	A sensitive method for the detection of mutagenic nitroarenes: construction of nitroreductase-overproducing derivatives of Salmonella typhimurium strains TA98 and TA100. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1989, 216, 211-220.	0.4	153
12	Specificity and sensitivity of Salmonella typhimurium YG1041 and YG1042 strains possesing elevated levels of both nitroreductase and acetyltransferase activity. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1993, 291, 171-180.	0.4	148
13	Environmental Stress and Lesion-Bypass DNA Polymerases. Annual Review of Microbiology, 2006, 60, 231-253.	7.3	137
14	In vivo transgenic mutation assays. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2003, 540, 141-151.	1.7	135
15	In vivo transgenic mutation assays. , 2000, 35, 253-259.		108
16	DinB Upregulation Is the Sole Role of the SOS Response in Stress-Induced Mutagenesis inEscherichia coli. Genetics, 2009, 182, 55-68.	2.9	102
17	Thresholds of Genotoxic and Non-Genotoxic Carcinogens. Toxicological Research, 2018, 34, 281-290.	2.1	98
18	Genotoxic responses to titanium dioxide nanoparticles and fullerene in gpt delta transgenic MEF cells. Particle and Fibre Toxicology, 2009, 6, 3.	6.2	92

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19	New tester strains of Salmonellatyphimurium highly sensitive to mutagenic nitroarenes. Biochemical and Biophysical Research Communications, 1987, 147, 974-979.	2.1	84
20	Modulation of oxidative mutagenesis and carcinogenesis by polymorphic forms of human DNA repair enzymes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 591, 60-73.	1.0	83
21	Genotoxicity of nano/microparticles in in vitro micronuclei, in vivo comet and mutation assay systems. Particle and Fibre Toxicology, 2009, 6, 23.	6.2	83
22	Recent advances in the construction of bacterial genotoxicity assays. Mutation Research - Reviews in Mutation Research, 1997, 386, 1-23.	5.5	78
23	Site-Specific In Vivo Mutagenicity in the Kidney of gpt Delta Rats Given a Carcinogenic Dose of Ochratoxin A. Toxicological Sciences, 2011, 122, 406-414.	3.1	73
24	Overproduction of Escherichia coli DNA polymerase DinB (Pol IV) inhibits replication fork progression and is lethal. Molecular Microbiology, 2008, 70, 608-622.	2.5	70
25	Erroneous incorporation of oxidized DNA precursors by Yâ€family DNA polymerases. EMBO Reports, 2003, 4, 269-273.	4.5	69
26	Heavy-ion-induced mutations in thegpt delta transgenic mouse: Comparison of mutation spectra induced by heavy-ion, X-ray, and ?-ray radiation. Environmental and Molecular Mutagenesis, 2002, 40, 207-215.	2.2	64
27	DNA polymerase Î¹-dependent DNA synthesis at stalled replication forks is important for CHK1 activation. EMBO Journal, 2013, 32, 2172-2185.	7.8	60
28	Parp-1 deficiency causes an increase of deletion mutations and insertions/rearrangements in vivo after treatment with an alkylating agent. Oncogene, 2005, 24, 1328-1337.	5.9	59
29	Molecular nature of intrachromosomal deletions and base substitutions induced by environmental mutagens. Environmental and Molecular Mutagenesis, 2005, 45, 150-161.	2.2	59
30	Novel transgenic rat for in vivo genotoxicity assays using 6-thioguanine and Spi? selection. Environmental and Molecular Mutagenesis, 2003, 41, 253-259.	2.2	56
31	Sensitivity of Salmonella typhimurium YG1024 to urine mutagenicity caused by cigarette smoking. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1990, 245, 87-92.	1.1	52
32	Processing of DNA lesions by archaeal DNA polymerases from Sulfolobus solfataricus. Nucleic Acids Research, 2003, 31, 4024-4030.	14.5	52
33	Synthetic Activity of Sso DNA Polymerase Y1, an Archaeal DinB-like DNA Polymerase, Is Stimulated by Processivity Factors Proliferating Cell Nuclear Antigen and Replication Factor C. Journal of Biological Chemistry, 2001, 276, 47394-47401.	3.4	51
34	In vivo mutational analysis of liver DNA ingpt delta transgenic rats treated with the hepatocarcinogensN-nitrosopyrrolidine, 2-amino-3-methylimidazo[4,5-f]quinoline, and di(2-ethylhexyl)phthalate. Molecular Carcinogenesis, 2005, 42, 9-17.	2.7	50
35	In vivo mutagenicity and initiation following oxidative DNA lesion in the kidneys of rats given potassium bromate. Cancer Science, 2006, 97, 829-835.	3.9	47
36	Involvement of Y-Family DNA Polymerases in Mutagenesis Caused by Oxidized Nucleotides in Escherichia coli. Journal of Bacteriology, 2006, 188, 4992-4995.	2.2	46

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37	Characterization of mutations induced by 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine in the colon of gpt delta transgenic mouse: novel G:C deletions beside runs of identical bases. Carcinogenesis, 2000, 21, 2049-2056.	2.8	45
38	Mechanisms of chemopreventive effects of 8-methoxypsoralen against 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced mouse lung adenomas. Carcinogenesis, 2005, 26, 1947-1955.	2.8	44
39	Construction of mutants of Salmonella typhimurium deficient in 8-hydroxyguanine DNA glycosylase and their sensitivities to oxidative mutagens and nitro compounds. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 393, 233-246.	1.7	42
40	DNA polymerases involved in the incorporation of oxidized nucleotides into DNA: Their efficiency and template base preference. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 24-31.	1.7	42
41	Mutagenicity of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in the new gptÎ” transgenic mouse. Cancer Letters, 1999, 143, 241-244.	7.2	40
42	Mutagenic potency ofHelicobacter pyloriin the gastric mucosa of mice is determined by sex and duration of infection. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15217-15222.	7.1	40
43	IL-10 deficiency leads to somatic mutations in a model of IBD. Carcinogenesis, 2006, 27, 1068-1073.	2.8	38
44	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.	2.6	38
45	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.	1.5	37
46	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.	4.2	36
47	Molecular Characterization of Mitomycin C-Induced Large Deletions and Tandem-Base Substitutions in the Bone Marrow of gpt delta Transgenic Mice. Chemical Research in Toxicology, 2003, 16, 171-179.	3.3	35
48	Transgenic rat models for mutagenesis and carcinogenesis. Genes and Environment, 2017, 39, 11.	2.1	35
49	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.	1.7	34
50	Efficient and Erroneous Incorporation of Oxidized DNA Precursors by Human DNA Polymerase Î·. Biochemistry, 2007, 46, 5515-5522.	2.5	34
51	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.	2.6	33
52	The Steric Gate Amino Acid Tyrosine 112 Is Required for Efficient Mismatched-Primer Extension by Human DNA Polymerase Îº. Biochemistry, 2009, 48, 4239-4246.	2.5	32
53	delta transgenic mouse: A novel approach for molecular dissection of deletion mutations. Advances in Biophysics, 2004, 38, 97-121.	0.5	31
54	Genetic Analysis of Repair and Damage Tolerance Mechanisms for DNA-Protein Cross-Links in Escherichia coli. Journal of Bacteriology, 2009, 191, 5657-5668.	2.2	31

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55	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, 71-78.	3.1	31
56	Cell cycle progression, but not genotoxic activity, mainly contributes to citrinin-induced renal carcinogenesis. Toxicology, 2013, 311, 216-224.	4.2	30
57	Potent genotoxicity of aminophenylnorharman, formed from non-mutagenic norharman and aniline, in the liver of gpt delta transgenic mouse. Carcinogenesis, 2003, 24, 1985-1993.	2.8	29
58	Possible involvement of genotoxic mechanisms in estragole-induced hepatocarcinogenesis in rats. Archives of Toxicology, 2012, 86, 1593-1601.	4.2	29
59	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
60	Species difference in the metabolic activation of phenacetin by rat and hamster liver microsomes. Biochemical and Biophysical Research Communications, 1983, 110, 746-752.	2.1	28
61	Heavy-ion-induced mutations in thegpt delta transgenic mouse: Effect ofp53 gene knockout. Environmental and Molecular Mutagenesis, 2002, 40, 216-225.	2.2	28
62	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
63	In vivo mutagenesis induced by benzo[a]pyrene instilled into the lung ofgpt delta transgenic mice. Environmental and Molecular Mutagenesis, 2005, 45, 365-373.	2.2	27
64	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.	1.7	26
65	New Insight into Intrachromosomal Deletions Induced by Chrysotile in thegptdelta Transgenic Mutation Assay. Environmental Health Perspectives, 2007, 115, 87-92.	6.0	26
66	Mutations in the lungs of gpt delta transgenic mice following inhalation of diesel exhaust. Environmental and Molecular Mutagenesis, 2007, 48, 682-693.	2.2	26
67	Critical amino acids in human DNA polymerases Î· and Îº involved in erroneous incorporation of oxidized nucleotides. Nucleic Acids Research, 2010, 38, 859-867.	14.5	26
68	In vivo mutagenicity of arsenite in the livers of gpt delta transgenic mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 760, 42-47.	1.7	26
69	Further characterization and validation ofgpt delta transgenic mice for quantifying somatic mutations in vivo. Environmental and Molecular Mutagenesis, 2001, 37, 297-303.	2.2	25
70	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, 23-28.	1.7	24
71	Roles of replicative and specialized DNA polymerases in frameshift mutagenesis: Mutability of Salmonella typhimurium strains lacking one or all of SOS-inducible DNA polymerases to 26 chemicals. DNA Repair, 2005, 4, 1160-1171.	2.8	23
72	Inhibition of translesion DNA polymerase by archaeal reverse gyrase. Nucleic Acids Research, 2009, 37, 4287-4295.	14.5	23

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73	In Vivo Genotoxicity of Methyleugenol in gpt Delta Transgenic Rats Following Medium-Term Exposure. Toxicological Sciences, 2013, 131, 387-394.	3.1	23
74	Evaluation of in vivo genotoxicity induced by Nâ€ethylâ€Nâ€nitrosourea, benzo[a]pyrene, and 4â€nitroquinolineâ€1â€oxide in the Pigâ€a and gpt assays. Environmental and Molecular Mutagenesis, 2013, 54, 747-754.	2.2	23
75	Genomic integration of lambda EG10 transgene in gpt delta transgenic rodents. Genes and Environment, 2015, 37, 24.	2.1	23
76	Strategies in case of positive in vivo results in genotoxicity testing. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 723, 121-128.	1.7	22
77	Acrylamide genotoxicity in young versus adult gpt delta male rats. Mutagenesis, 2011, 26, 545-549.	2.6	22
78	Efficient detection of deletions induced by a single treatment of mitomycin C in transgenic mousegpt delta using the Spi? selection. Environmental and Molecular Mutagenesis, 1999, 34, 106-111.	2.2	21
79	Specificity of replicative and SOS-inducible DNA polymerases in frameshift mutagenesis: Mutability of Salmonella typhimurium strains overexpressing SOS-inducible DNA polymerases to 30 chemical mutagens. DNA Repair, 2006, 5, 465-478.	2.8	21
80	Chemopreventive effects of silymarin against 1,2-dimethylhydrazine plus dextran sodium sulfate-induced inflammation-associated carcinogenicity and genotoxicity in the colon of gpt delta rats. Carcinogenesis, 2011, 32, 1512-1517.	2.8	21
81	Catalytic and nonâ€catalytic roles of <scp>DNA</scp> polymerase Îº in the protection of human cells against genotoxic stresses. Environmental and Molecular Mutagenesis, 2015, 56, 650-662.	2.2	21
82	Deletion and single nucleotide substitution at G:C in the kidney of gpt delta transgenic mice after ferric nitrilotriacetate treatment. Cancer Science, 2006, 97, 1159-1167.	3.9	20
83	Differential effects of low- and high-dose X-rays on N-ethyl-N-nitrosourea-induced mutagenesis in thymocytes of B6C3F1 gpt-delta mice. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 640, 27-37.	1.0	20
84	Role of Parp-1 in suppressing spontaneous deletion mutation in the liver and brain of mice at adolescence and advanced age. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 664, 20-27.	1.0	20
85	E scherichia coli DNA polymerase III is responsible for the high level of spontaneous mutations in mutT strains. Molecular Microbiology, 2012, 86, 1364-1375.	2.5	19
86	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
87	Effect ofAtmDisruption on Spontaneously Arising and Radiation-Induced Deletion Mutations in Mouse Liver. Radiation Research, 2003, 160, 549-558.	1.5	18
88	Light-dependent mutagenesis by benzo[a]pyrene is mediated via oxidative DNA damage. Environmental and Molecular Mutagenesis, 2005, 46, 141-149.	2.2	18
89	Phenylalanine 171 is a molecular brake for translesion synthesis across benzo[a]pyrene-guanine adducts by human DNA polymerase kappa. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 718, 10-17.	1.7	18
90	Oxidative DNA damage and in vivo mutagenicity caused by reactive oxygen species generated in the livers of p53â€proficient or â€deficient gpt delta mice treated with nonâ€genotoxic hepatocarcinogens. Journal of Applied Toxicology, 2013, 33, 1433-1441.	2.8	18

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91	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
92	Comparison of the sensitivity of Salmonella typhimurium strains YG1024 and YG1012 for detecting the mutagenicity of aromatic amines and nitroarenes. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 301, 7-12.	1.1	17
93	Construction ofSalmonella typhimurium YG7108 strains, each coexpressing a form of human cytochrome P450 with NADPH-cytochrome P450 reductase. Environmental and Molecular Mutagenesis, 2001, 38, 329-338.	2.2	17
94	In vivo evidence that DNA polymerase kappa is responsible for error-free bypass across DNA cross-links induced by mitomycin C. DNA Repair, 2014, 24, 113-121.	2.8	17
95	Lack of genotoxic mechanisms in earlyâ€stage furanâ€induced hepatocellular tumorigenesis in gpt delta rats. Journal of Applied Toxicology, 2017, 37, 142-149.	2.8	17
96	Specificity of mutations induced by incorporation of oxidized dNTPs into DNA by human DNA polymerase Î·. DNA Repair, 2008, 7, 497-506.	2.8	16
97	Oxidative DNA damage and reporter gene mutation in the livers of gpt delta rats given nonâ€genotoxic hepatocarcinogens with cytochrome P450â€inducible potency. Cancer Science, 2010, 101, 2525-2530.	3.9	16
98	Radiation Dose-Rate Effect on Mutation Induction in Spleen and Liver of gpt delta Mice. Radiation Research, 2010, 173, 138.	1.5	16
99	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, 2467-2475.	3.7	16
100	Chemically-Induced DNA Damage, Mutagenesis, and Cancer. International Journal of Molecular Sciences, 2018, 19, 1767.	4.1	16
101	Suppression of chemically induced and spontaneously occurring oxidative mutagenesis by three alleles of human OGG1 gene encoding 8-hydroxyguanine DNA glycosylase. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 554, 365-374.	1.0	15
102	Mutagenesis Induced by Oxidized DNA Precursors:â€‰ Roles of Y Family DNA Polymerases in Escherichia coli. Chemical Research in Toxicology, 2005, 18, 1271-1278.	3.3	15
103	MX, a by-product of water chlorination, lacks in vivo genotoxicity ingpt delta mice but inhibits gap junctional intercellular communication in rat WB cells. Environmental and Molecular Mutagenesis, 2006, 47, 48-55.	2.2	15
104	Combined genotoxic effects of radiation and a tobacco-specific nitrosamine in the lung of gpt delta transgenic mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 626, 15-25.	1.7	15
105	Biochemical evidence of a physical interaction between Sulfolobus solfataricus B-family and Y-family DNA polymerases. Extremophiles, 2007, 11, 277-282.	2.3	15
106	In vivo mutagenesis in the lungs ofgpt-delta transgenic mice treated intratracheally with 1,6-dinitropyrene. Environmental and Molecular Mutagenesis, 2006, 47, 277-283.	2.2	14
107	Validation study of the combined repeatedâ€dose toxicity and genotoxicity assay using gpt delta rats. Cancer Science, 2015, 106, 529-541.	3.9	14
108	Past, Present and Future Directions of gpt delta Rodent Gene Mutation Assays. Food Safety (Tokyo, Japan), 2016, 4, 1-13.	1.8	14

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109	Lack of in vivo mutagenicity and oxidative DNA damage by flumequine in the livers of gpt delta mice. Archives of Toxicology, 2007, 81, 63-69.	4.2	13
110	Metabolic activation of 2,4-xylidine and its mutagenic metabolite. Biochemical Pharmacology, 1983, 32, 735-738.	4.4	12
111	Mechanism of metabolic activation of the analgetic bucetin to bacterial mutagens by hamster liver microsomes.. Chemical and Pharmaceutical Bulletin, 1985, 33, 2877-2885.	1.3	12
112	Chemical structure-related mechanisms underlying in vivo genotoxicity induced by nitrofurantoin and its constituent moieties in gpt delta rats. Toxicology, 2015, 331, 125-135.	4.2	12
113	Development of a Medium-term Animal Model Using <i>gpt</i> Delta Rats to Evaluate Chemical Carcinogenicity and Genotoxicity. Journal of Toxicologic Pathology, 2013, 26, 19-27.	0.7	12
114	Novel DNA Polymerases and Novel Genotoxicity Assays. Genes and Environment, 2007, 29, 75-88.	2.1	12
115	Involvement of umuDC ST genes in nitropyrene-induced -CG frameshift mutagenesis at the repetitive CG sequence in the hisD3052 allele of Salmonella typhimurium. Molecular Genetics and Genomics, 1995, 247, 7-16.	2.4	11
116	Effects ofO6-alkylguanine-DNA alkyltransferase deficiency inEscherichia coli as the host for the detection of mutations inlacI transgenic mice. Environmental and Molecular Mutagenesis, 1999, 34, 221-226.	2.2	11
117	Translesional DNA Synthesis through a C8-Guanyl Adduct of 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in Vitro. Journal of Biological Chemistry, 2009, 284, 25585-25592.	3.4	11
118	Evaluation of the Genotoxicity of Aristolochic Acid in the Kidney and Liver of F344 gpt delta Transgenic Rat Using a 28-Day Repeated-dose Protocol: A Collaborative Study of the gpt delta Transgenic Rat Mutation Assay. Genes and Environment, 2012, 34, 18-24.	2.1	11
119	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
120	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
121	Mutant Frequency is not Increased in Mice Orally Exposed to Sodium Dichromate. Food Safety (Tokyo,) Tj ETQq1 1 0.784314 rgBT /O	1.8	11
122	Restoration of Mismatch Repair Functions in Human Cell Line Nalm-6, Which Has High Efficiency for Gene Targeting. PLoS ONE, 2013, 8, e61189.	2.5	11
123	Mechanism of species difference in N-hydroxyphenacetin mutagenicity: The role of deacetylation by rat and hamster liver microsomes.. Chemical and Pharmaceutical Bulletin, 1984, 32, 4525-4531.	1.3	10
124	Antigenotoxic effects of p53 on spontaneous and ultraviolet light Bâ€“induced deletions in the epidermis of gpt delta transgenic mice. Environmental and Molecular Mutagenesis, 2011, 52, 244-252.	2.2	10
125	In vivo evidence that phenylalanine 171 acts as a molecular brake for translesion DNA synthesis across benzo[a]pyrene DNA adducts by human DNA polymerase Îº. DNA Repair, 2014, 15, 21-28.	2.8	10
126	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

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127	Limited ability of DNA polymerase kappa to suppress benzo[a]pyreneâ€induced genotoxicity in vivo. Environmental and Molecular Mutagenesis, 2017, 58, 644-653.	2.2	10
128	A newly established GDL1 cell line from gpt delta mice well reflects the in vivo mutation spectra induced by mitomycin C. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 609, 102-115.	1.7	9
129	Spontaneous Mutagenesis in Rodents: Spontaneous Gene Mutations Identified by Neutral Reporter Genes in gpt Delta Transgenic Mice and Rats. Journal of Health Science, 2009, 55, 40-49.	0.9	9
130	DNA polymerase kappa counteracts inflammationâ€induced mutagenesis in multiple organs of mice. Environmental and Molecular Mutagenesis, 2019, 60, 320-330.	2.2	9
131	Mutagenicity of carcinogenic heterocyclic amines in Salmonella typhimurium YG strains and transgenic rodents including gpt delta. Genes and Environment, 2021, 43, 38.	2.1	9
132	é•ä¼æ¯”æ€§ï¼šDNAç›´æŽ¥ä½œç”¨ç‰©è³ªã«é–¾å€¤ã•ã¯ã‚ã‚‹ã‹ã®ï¼Ÿ. Environmental Mutagen Research, 2005, 27, 61-73.		9
133	Development of a Bacterial Hyper-sensitive Tester Strain for Specific Detection of the Genotoxicity of Polycyclic Aromatic Hydrocarbons. Genes and Environment, 2006, 28, 23-30.	2.1	8
134	Oxidative-stress-driven mutagenesis in the small intestine of the gpt delta mouse induced by oral administration of potassium bromate. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 850-851, 503136.	1.7	8
135	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, 731-741.	1.5	7
136	The application of hepatic P450 reductase null gpt delta mice in studying the role of hepatic P450 in genotoxic carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced mutagenesis. Archives of Toxicology, 2012, 86, 1753-1761.	4.2	7
137	in vivo Approaches to Identify Mutations and in vitro Research to Reveal Underlying Mechanisms of Genotoxic Thresholds. Genes and Environment, 2012, 34, 146-152.	2.1	7
138	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. Toxicology, 2013, 312, 56-62.	4.2	7
139	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, 31-39.	2.1	7
140	Possible Mechanisms Underlying Genotoxic Thresholds. , 2016, , 49-66.		7
141	Possible Mechanisms of Practical Thresholds for Genotoxicity. Genes and Environment, 2008, 30, 108-113.	2.1	6
142	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, 313-321.	2.1	6
143	International Symposium on Genotoxic and Carcinogenic Thresholds. Genes and Environment, 2008, 30, 101-107.	2.1	6
144	Evaluation of In Vivo Mutagenicity by 2,4-Diaminotoluene and 2,6-Diaminotoluene in Liver of F344 gpt delta Transgenic Rat Dosed for 28 Days: A Collaborative Study of the gpt delta Transgenic Rat Mutation Assay. Genes and Environment, 2012, 34, 25-33.	2.1	6

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145	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, 709-720.	1.5	5
146	Involvement of mismatch repair proteins in adaptive responses induced by N-methyl-Nâ€²-nitro-N-nitrosoguanidine against Î³-induced genotoxicity in human cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 713, 56-63.	1.0	5
147	Genotoxicity of phenacetin in the kidney and liver of Sprague-Dawley gpt delta transgenic rats in 26-week and 52-week repeated-dose studies. Toxicology, 2014, 324, 10-17.	4.2	5
148	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
149	Lack of In Vivo Mutagenicity of Acetamide in a 13-Week Comprehensive Toxicity Study Using F344 gpt Delta Rats. Toxicological Sciences, 2020, 177, 431-440.	3.1	5
150	Error-prone bypass patch by a low-fidelity variant of DNA polymerase zeta in human cells. DNA Repair, 2021, 100, 103052.	2.8	5
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