Masami Yamada

List of Publications by Year
in descending order

55 papers	1,703 citations	361045 20 h-index	288905 40 g-index
55 all docs	55 docs citations	55 times ranked	1414 citing authors

#	Article	IF	Citations
1	The dinB Gene Encodes a Novel E. coli DNA Polymerase, DNA Pol IV, Involved in Mutagenesis. Molecular Cell, 1999, 4, 281-286.	4.5	439
2	DinB Upregulation Is the Sole Role of the SOS Response in Stress-Induced Mutagenesis inEscherichia coli. Genetics, 2009, 182, 55-68.	1.2	102
3	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.	0.4	83
4	Metabolic activation of N -alkylnitrosamines in genetically engineered Salmonella typhimurium expressing CYP2E1 or CYP2A6 together with human NADPH-cytochrome P450 reductase. Carcinogenesis, 2000, 21, 1227-1232.	1.3	81
5	New tester strains of Salmonella typhimurium lacking O6-methylguanine DNA methyltransferases and highly sensitive to mutagenic alkylating agents. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1997, 381, 15-24.	0.4	66
6	Interlaboratory trial of the rat Pig-a mutation assay using an erythroid marker HIS49 antibody. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 755, 126-134.	0.9	53
7	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.	1.6	51
8	Semi-quantitative evaluation of genotoxic activity of chemical substances and evidence for a biological threshold of genotoxic activity. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 464, 97-104.	0.9	47
9	Involvement of Y-Family DNA Polymerases in Mutagenesis Caused by Oxidized Nucleotides in Escherichia coli. Journal of Bacteriology, 2006, 188, 4992-4995.	1.0	46
10	Processing of O6-methylguanine by mismatch correction in human cell extracts. Current Biology, 1996, 6, 1528-1531.	1.8	45
11	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.	1.3	45
12	The PIGRET assay, a method for measuring Pig-a gene mutation in reticulocytes, is reliable as a short-term in vivo genotoxicity test: Summary of the MMS/JEMS-collaborative study across 16 laboratories using 24 chemicals. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 811, 3-15.	0.9	45
13	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.	0.9	42
14	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.	3.2	40
15	Development of a Salmonella tester strain sensitive to promutagenic N-nitrosamines: expression of recombinant CYP2A6 and human NADPH-cytochrome P450 reductase in S. typhimurium YG7108. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 471, 135-143.	0.9	34
16	Genetic Analysis of Repair and Damage Tolerance Mechanisms for DNA-Protein Cross-Links in Escherichia coli. Journal of Bacteriology, 2009, 191, 5657-5668.	1.0	31
17	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.	1.4	31
18	Targeted disruption of the gene encoding the classical nitroreductase enzyme in Salmonella typhimurium Ames test strains TA1535 and TA1538. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1997, 375, 9-17.	0.4	28

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19	Replication of 2-hydroxyadenine-containing DNA and recognition by human MutSÎ±. DNA Repair, 2007, 6, 355-366.	1.3	25
20	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.	1.3	23
21	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.	1.3	21
22	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.	1.3	21
23	E scherichia coli DNA polymerase III is responsible for the high level of spontaneous mutations in mutT strains. Molecular Microbiology, 2012, 86, 1364-1375.	1.2	19
24	Light-dependent mutagenesis by benzo[a]pyrene is mediated via oxidative DNA damage. Environmental and Molecular Mutagenesis, 2005, 46, 141-149.	0.9	18
25	Mutation assay using single-molecule real-time (SMRTTM) sequencing technology. Genes and Environment, 2015, 37, 15.	0.9	18
26	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.	0.9	17
27	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.	1.3	17
28	Specificity of mutations induced by incorporation of oxidized dNTPs into DNA by human DNA polymerase Î·. DNA Repair, 2008, 7, 497-506.	1.3	16
29	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.	0.4	15
30	Mutagenesis Induced by Oxidized DNA Precursors:â€‰ Roles of Y Family DNA Polymerases in Escherichia coli. Chemical Research in Toxicology, 2005, 18, 1271-1278.	1.7	15
31	Inhibitory effects of caraway (Carum carvi L.) and its component on N-methyl-N'-nitro-N-nitrosoguanidine-induced mutagenicity. Journal of Medical Investigation, 2006, 53, 123-133.	0.2	14
32	Preferential induction at AT-TA transversion, but not deletions, by chlorambucil at the hisG428 site of Salmonella typhimurium TA102. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 283, 29-33.	1.2	12
33	Metabolic activation of N-alkylnitrosamines in genetically engineered Salmonella typhimurium expressing CYP2E1 or CYP2A6 together with human NADPH-cytochrome P450 reductase. Carcinogenesis, 2000, 21, 1227-1232.	1.3	12
34	Validation of the (Q)SAR combination approach for mutagenicity prediction of flavor chemicals. Food and Chemical Toxicology, 2012, 50, 1538-1546.	1.8	12
35	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
36	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.	0.9	11

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37	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, 274-282.	1.4	11
38	A Pilot Study for the Mutation Assay Using a High-throughput DNA Sequencer. Genes and Environment, 2013, 35, 53-56.	0.9	10
39	New O-acetyltransferase-deficient Ames Salmonella strains generated by specific gene disruption. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1999, 439, 159-169.	0.9	9
40	Integration of micronucleus tests with a gene mutation assay in F344 gpt delta transgenic rats using benzo[a]pyrene. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 837, 1-7.	0.9	9
41	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.	0.9	8
42	Genotoxic activities of wastewater after ozonation and activated carbon filtration: Different effects in liver-derived cells and bacterial indicators. Water Research, 2020, 186, 116328.	5.3	8
43	The effectiveness of the O6-alkylguanine-DNA alkyltransferase encoded by the ogtST gene from S. typhimurium in protection against alkylating drugs, resistance to O6-benzylguanine and sensitisation to dibromoalkane genotoxicity. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 497, 111-121.	0.9	7
44	in vivo Approaches to Identify Mutations and in vitro Research to Reveal Underlying Mechanisms of Genotoxic Thresholds. Genes and Environment, 2012, 34, 146-152.	0.9	7
45	Development of a new quantitative structureâ€“activity relationship model for predicting Ames mutagenicity of food flavor chemicals using StarDropâ„¢ auto-Modellerâ„¢. Genes and Environment, 2021, 43, 16.	0.9	7
46	A patient who survived total colonic type ulcerative colitis complicated by toxic megacolon, disseminated intravascular coagulation, methicillin-resistant Staphylococcus aureus infection and bilateral femoral phlebothrombosis. Journal of Gastroenterology, 1999, 34, 395-399.	2.3	6
47	Modulatory Effects of Capsaicin on N-diethylnitrosamine (DEN)-induced Mutagenesis in Salmonella typhimurium YG7108 and DEN-induced Hepatocarcinogenesis in gpt Delta Transgenic Rats. Genes and Environment, 2011, 33, 160-166.	0.9	3
48	Multiple-endpoint genotoxicity assay for colon carcinogen 1,2-dimethylhydrazine. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 849, 503130.	0.9	3
49	Decreased Calcium Pump Activity in Duodenal Epithelial Cells from Spontaneously Hypertensive Rats. Experimental Biology and Medicine, 1993, 203, 440-445.	1.1	2
50	Effect of episomally encoded DNA polymerases on chemically induced mutagenesis at the hisG46 target in Ames test. Genes and Environment, 2020, 42, 14.	0.9	2
51	Development of Tester Strains Deficient in Nth/Nei DNA Glycosylases to Selectively Detect the Mutagenicity of Oxidized DNA Pyrimidines. Genes and Environment, 2009, 31, 69-79.	0.9	2
52	2-Nitroanisole-induced oxidative DNA damage in Salmonella typhimurium and in rat urinary bladder cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2017, 816-817, 18-23.	0.9	1
53	Opposing roles of Y-family DNA polymerases in lipid peroxide mutagenesis at the hisG46 target in the Ames test. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 829-830, 43-49.	0.9	1
54	2nd International Symposium on Genotoxic and Carcinogenic Thresholds. Genes and Environment, 2012, 34, 141-145.	0.9	1

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55	Greetings from the new regime. Genes and Environment, 2018, 40, 11.	0.9	0