Hiroyuki Kamiya

List of Publications by Year
in descending order

160	5,138	87723	102304
papers	citations	38 h-index	66 g-index

161	161	161	3725
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transferrin-Modified Liposomes Equipped with a pH-Sensitive Fusogenic Peptide:â€‰ An Artificial Viral-like Delivery System. Biochemistry, 2004, 43, 5618-5628.	1.2	268
2	MITO-Porter: A liposome-based carrier system for delivery of macromolecules into mitochondria via membrane fusion. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 423-432.	1.4	249
3	Mutagenic potentials of damaged nucleic acids produced by reactive oxygen/nitrogen species: approaches using synthetic oligonucleotides and nucleotides: SURVEY AND SUMMARY. Nucleic Acids Research, 2003, 31, 517-531.	6.5	233
4	The Oxidized Forms of dATP Are Substrates for the Human MutT Homologue, the hMTH1 Protein. Journal of Biological Chemistry, 1999, 274, 18201-18205.	1.6	204
5	Formation of 2-Hydroxydeoxyadenosine Triphosphate, an Oxidatively Damaged Nucleotide, and Its Incorporation by DNA Polymerases. Journal of Biological Chemistry, 1995, 270, 19446-19450.	1.6	149
6	Design of RNA enzymes distinguishing a single base mutation in RNA. Nucleic Acids Research, 1989, 17, 7059-7069.	6.5	142
7	8-Hydroxyadenine (7, 8-dihydro-8-Oxoadenine) induces misincorporation inin vitroDNA synthesis and mutations in NIH 3T3 cells. Nucleic Acids Research, 1995, 23, 2893-2899.	6.5	137
8	8-Hydroxyguanine (7,8-dihydro-8-oxoguanine) in hot spots of the c-Ha-ras gene: effects of sequence contexts on mutation spectra. Carcinogenesis, 1995, 16, 883-889.	1.3	132
9	Pharmacokinetic and pharmacodynamic considerations in gene therapy. Drug Discovery Today, 2003, 8, 990-996.	3.2	117
10	Mitochondrial drug delivery and mitochondrial disease therapy â€“ An approach to liposome-based delivery targeted to mitochondria. Mitochondrion, 2007, 7, 63-71.	1.6	108
11	Synthesis of a Phosphoramidite Coupling Unit of the Pyrimidine (6â˜’4) Pyrimidone Photoproduct and Its Incorporation into Oligodeoxynucleotides. Journal of the American Chemical Society, 1996, 118, 7642-7643.	6.6	105
12	Induction of Chromosomal Gene Mutations in Escherichia coli by Direct Incorporation of Oxidatively Damaged Nucleotides. Journal of Biological Chemistry, 1998, 273, 11069-11074.	1.6	105
13	New NTP analogs: the synthesis of 4'-thioUTP and 4'-thioCTP and their utility for SELEX. Nucleic Acids Research, 2005, 33, 2942-2951.	6.5	97
14	Human MTH3 (NUDT18) Protein Hydrolyzes Oxidized Forms of Guanosine and Deoxyguanosine Diphosphates. Journal of Biological Chemistry, 2012, 287, 21541-21549.	1.6	90
15	No Enhancement of Nuclear Entry by Direct Conjugation of a Nuclear Localization Signal Peptide to Linearized DNA. Bioconjugate Chemistry, 2003, 14, 1197-1202.	1.8	87
16	Mitochondrial delivery of mastoparan with transferrin liposomes equipped with a pH-sensitive fusogenic peptide for selective cancer therapy. International Journal of Pharmaceutics, 2005, 303, 1-7.	2.6	87
17	Comparison of Oxidation Products from DNA Components by .GAMMA.-Irradiation and Fenton-Type Reactions.. Journal of Radiation Research, 1997, 38, 121-131.	0.8	86
18	RNA interference induced by siRNAs modified with 4â€²-thioribonucleosides in cultured mammalian cells. FEBS Letters, 2005, 579, 3115-3118.	1.3	77

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19	The mutations induced by oxidatively damaged nucleotides, 5-formyl-dUTP and 5-hydroxy-dCTP, in Escherichia coli. Nucleic Acids Research, 1998, 26, 4582-4587.	6.5	75
20	Ribozymes designed to inhibit transformation of NIH3T3 cells by the activated c-Ha-ras gene. Gene, 1992, 117, 179-184.	1.0	73
21	Misincorporation of dAMP opposite 2-hydroxyadenine, an oxidative form of adenine. Nucleic Acids Research, 1995, 23, 761-766.	6.5	71
22	Methylglyoxal induces G:C to C:G and G:C to T:A transversions in the supF gene on a shuttle vector plasmid replicated in mammalian cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 468, 173-182.	0.9	71
23	Erroneous incorporation of oxidized DNA precursors by Yâ€family DNA polymerases. EMBO Reports, 2003, 4, 269-273.	2.0	69
24	Mutations Induced by 2-Hydroxyadenine on a Shuttle Vector during Leading and Lagging Strand Syntheses in Mammalian Cells. Biochemistry, 1997, 36, 11125-11130.	1.2	64
25	Mutations induced by 8-hydroxyguanine (8-oxo-7,8-dihydroguanine), a representative oxidized base, in mammalian cells. Genes and Environment, 2017, 39, 2.	0.9	63
26	In vitro Replication Study of Modified bases in ras Sequences.. Chemical and Pharmaceutical Bulletin, 1992, 40, 2792-2795.	0.6	53
27	Formation of a mutagen, glyoxal, from DNA treated with oxygen free radicals. Carcinogenesis, 1995, 16, 2251-2253.	1.3	52
28	Troglitazone suppresses cell growth of KU812 cells independently of PPARÎ³. European Journal of Pharmacology, 2002, 436, 7-13.	1.7	51
29	Visualization of intracellular trafficking of exogenous DNA delivered by cationic liposomes. Biochemical and Biophysical Research Communications, 2002, 298, 591-597.	1.0	50
30	Suppression of mutagenesis by 8-hydroxy-2â€²-deoxyguanosine 5â€²-triphosphate (7,8-dihydro-8-oxo-2â€²-deoxyguanosine 5â€²-triphosphate) by human MTH1, MTH2, and NUDT5. Free Radical Biology and Medicine, 2010, 48, 1197-1201.	1.3	50
31	Effects of sequence contexts on misincorporation of nucleotides opposite 2-hydroxyadenine. FEBS Letters, 1996, 391, 113-116.	1.3	49
32	Structure of Human MTH1, a Nudix Family Hydrolase That Selectively Degrades Oxidized Purine Nucleoside Triphosphates. Journal of Biological Chemistry, 2004, 279, 33806-33815.	1.6	49
33	Mutational specificity of glyoxal, a product of DNA oxidation, in the lacI gene of wild-type Escherichia coli W3110. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1997, 377, 255-262.	0.4	48
34	Leading versus lagging strand mutagenesis induced by 7,8-dihydro-8-oxo-2â€²-deoxyguanosine in Escherichia coli. Journal of Molecular Biology, 1997, 265, 302-309.	2.0	47
35	An abasic site analogue activates a c-Ha-rasgene by a point mutation at modified and adjacent positions. Nucleic Acids Research, 1992, 20, 4409-4415.	6.5	46
36	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

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37	Mutagenicity of 5-Formylcytosine, an Oxidation Product of 5-Methylcytosine, in DNA in Mammalian Cells. Journal of Biochemistry, 2002, 132, 551-555.	0.9	44
38	Induction of T â†' G and T â†' A transversions by 5-formyluracil in mammalian cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 513, 213-222.	0.9	43
39	Hydrolysis of Oxidized Nucleotides by the Escherichia coli Orf135 Protein. Biochemical and Biophysical Research Communications, 2001, 288, 499-502.	1.0	39
40	Involvement of specialized DNA polymerases in mutagenesis by 8-hydroxy-dGTP in human cells. DNA Repair, 2009, 8, 637-642.	1.3	39
41	Effects of base excision repair proteins on mutagenesis by 8-oxo-7,8-dihydroguanine (8-hydroxyguanine) paired with cytosine and adenine. DNA Repair, 2010, 9, 542-550.	1.3	39
42	Suppression of spontaneous and hydrogen peroxide-induced mutations by a MutT-type nucleotide pool sanitization enzyme, the Escherichia coli Orf135 protein. Genes To Cells, 2003, 8, 941-950.	0.5	38
43	Intranuclear disposition of exogenous DNA in vivo: Silencing, methylation and fragmentation. FEBS Letters, 2006, 580, 918-922.	1.3	38
44	Mutagenic effects of 8-hydroxy-dGTP in live mammalian cells. Free Radical Biology and Medicine, 2007, 42, 1552-1560.	1.3	38
45	Mutagenicities of 8-Hydroxyguanine and 2-Hydroxyadenine Produced by Reactive Oxygen Species. Biological and Pharmaceutical Bulletin, 2004, 27, 475-479.	0.6	37
46	Increased SFHR gene correction efficiency with sense single-stranded DNA. Journal of Gene Medicine, 2005, 7, 486-493.	1.4	36
47	Cell cycle dependent transcription, a determinant factor of heterogeneity in cationic lipid-mediated transgene expression. Journal of Gene Medicine, 2007, 9, 197-207.	1.4	35
48	Synthesis and Thermodynamic Stabilities of Damaged DNA Involving 8-Hydroxyguanine (7,8-Dihydro-8-Oxoguanine) in aras-Gene Fragments. Nucleosides & Nucleotides, 1994, 13, 1517-1534.	0.5	34
49	Efficient and Erroneous Incorporation of Oxidized DNA Precursors by Human DNA Polymerase Î·. Biochemistry, 2007, 46, 5515-5522.	1.2	34
50	Roles of specialized DNA polymerases in mutagenesis by 8-hydroxyguanine in human cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 686, 90-95.	0.4	33
51	Two DNA Polymerases ofEscherichia coliDisplay Distinct Misinsertion Specificities for 2-Hydroxy-dATP during DNA Synthesisâ€. Biochemistry, 2000, 39, 9508-9513.	1.2	32
52	Comparison of Incorporation and Extension of Nucleotides in vitro opposite 8-Hydroxyguanine (7,8-Dihydro-8-oxoguanine) in Hot Spots of the c-Ha-ras Gene. Japanese Journal of Cancer Research, 1995, 86, 270-276.	1.7	31
53	Mutation Induced by Deoxyxanthosine in Codon 12 of A Synthetic c-Ha-ras Gene. Nucleosides & Nucleotides, 1992, 11, 247-260.	0.5	29
54	Mutagenicity of oxidized DNA precursors in living cells: Roles of nucleotide pool sanitization and DNA repair enzymes, and translesion synthesis DNA polymerases. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 703, 32-36.	0.9	29

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55	Probing the Substrate Recognition Mechanism of the Human MTH1 Protein by Nucleotide Analogs. Journal of Molecular Biology, 2004, 336, 843-850.	2.0	27
56	Dual hydrolysis of diphosphate and triphosphate derivatives of oxidized deoxyadenosine by Orf17 (NtpA), a MutT-type enzyme. DNA Repair, 2005, 4, 33-39.	1.3	27
57	Mutagenic effects of 2-hydroxy-dATP on replication in a HeLa extract: induction of substitution and deletion mutations. Nucleic Acids Research, 2003, 31, 2570-2575.	6.5	26
58	Diverse substrate recognition and hydrolysis mechanisms of human NUDT5. Nucleic Acids Research, 2011, 39, 8972-8983.	6.5	26
59	NUDT5 hydrolyzes oxidized deoxyribonucleoside diphosphates with broad substrate specificity. DNA Repair, 2009, 8, 1250-1254.	1.3	24
60	Nucleotide Excision Repair Proteins May Be Involved in the Fixation of Glyoxal-Induced Mutagenesis inEscherichia coli. Biochemical and Biophysical Research Communications, 1998, 248, 412-417.	1.0	23
61	Characterization of a nudix hydrolase from Deinococcus radiodurans with a marked specificity for (deoxy)ribonucleoside 5'-diphosphates. BMC Biochemistry, 2004, 5, 7.	4.4	23
62	Transcription of 4â€²-thioDNA templates to natural RNA in vitro and in mammalian cells. Chemical Communications, 2015, 51, 7887-7890.	2.2	23
63	Cyclobutane thymine dimers in arasproto-oncogene hot spot activate the gene by point mutation. Nucleic Acids Research, 1993, 21, 2355-2361.	6.5	22
64	The location of the left-handedly curved DNA sequence affects exogenous DNA expression in vivo. Archives of Biochemistry and Biophysics, 2007, 461, 7-12.	1.4	22
65	Increased A:T->C:G Mutations in the mutT Strain upon 8-Hydroxy-dGTP Treatment: Direct Evidence for MutT Involvement in the Prevention of Mutations by Oxidized dGTP. Journal of Biochemistry, 2004, 136, 359-362.	0.9	21
66	Mutations Induced by Oxidized DNA Precursors and Their Prevention by Nucleotide Pool Sanitization Enzymes. Genes and Environment, 2007, 29, 133-140.	0.9	19
67	Overproduction of cellular and activated Ha-ras proteins by mutating a synthetic gene.. Chemical and Pharmaceutical Bulletin, 1987, 35, 4878-4882.	0.6	18
68	Improved Gene Correction Efficiency with a Tailed Duplex DNA Fragment. Biochemistry, 2008, 47, 8754-8759.	1.2	18
69	Incorporation of 8-hydroxyguanosine (8-oxo-7,8-dihydroguanosine) 5â€²-triphosphate by bacterial and human RNA polymerases. Free Radical Biology and Medicine, 2009, 46, 1703-1707.	1.3	18
70	Transformation of NIH3T3 Cells with Synthetic c-Ha-rasGenes. Japanese Journal of Cancer Research, 1989, 80, 200-203.	1.7	17
71	Cytokine induction by a bacterial DNA-specific modified base. Biochemical and Biophysical Research Communications, 2005, 326, 777-781.	1.0	16
72	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

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73	DNA Microarray Analysis of Whole Blood Cells and Insulin-Sensitive Tissues Reveals the Usefulness of Blood RNA Profiling as a Source of Markers for Predicting Type 2 Diabetes. Biological and Pharmaceutical Bulletin, 2010, 33, 1033-1042.	0.6	16
74	Mutagenic Bypass of 8-Oxo-7,8-dihydroguanine (8-Hydroxyguanine) by DNA Polymerase Îº in Human Cells. Chemical Research in Toxicology, 2012, 25, 1771-1776.	1.7	16
75	Mutation-spectrum of a true abasic site in codon 12 of a c-Ha-rasgene in mammalian cells. FEBS Letters, 1993, 328, 125-129.	1.3	15
76	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
77	Calpain 10 as a Predictive Gene for Type 2 Diabetes: Evidence from a Novel Screening System Using White Blood Cells of Otsuka Long-Evans Tokushima Fatty (OLETF) Rats. Biological and Pharmaceutical Bulletin, 2003, 26, 1765-1768.	0.6	14
78	Kinetic analysis of protein production after DNA transfection. International Journal of Pharmaceutics, 2005, 299, 34-40.	2.6	14
79	Unexpectedly Weak Impacts of Decreased p53 and Retinoblastoma Protein Levels on Mutagenesis by 8-Oxo-7,8-dihydroguanine (8-Hydroxyguanine). Genes and Environment, 2011, 33, 103-108.	0.9	14
80	Action-at-a-Distance Mutagenesis Induced by Oxidized Guanine in Werner Syndrome Protein-Reduced Human Cells. Chemical Research in Toxicology, 2015, 28, 621-628.	1.7	14
81	Amino Acid Residues Involved in Substrate Recognition of theEscherichia coliOrf135 Proteinâ€. Biochemistry, 2005, 44, 5683-5689.	1.2	13
82	Factors affecting SFHR gene correction efficiency with single-stranded DNA fragment. Biochemical and Biophysical Research Communications, 2005, 336, 1194-1200.	1.0	13
83	Reduction of Werner Syndrome Protein Enhances G:C â†' A:T Transition byO⁶-Methylguanine in Human Cells. Chemical Research in Toxicology, 2018, 31, 319-324.	1.7	13
84	In Vivo Mutagenicities of Damaged Nucleotides Produced by Nitric Oxide and Ionizing Radiation. Biological and Pharmaceutical Bulletin, 2005, 28, 520-522.	0.6	12
85	UvrA and UvrB enhance mutations induced by oxidized deoxyribonucleotides. DNA Repair, 2007, 6, 1786-1793.	1.3	12
86	Pharmacokinetics of Targeting with Liposomes. Critical Reviews in Therapeutic Drug Carrier Systems, 2002, 19, 235-275.	1.2	12
87	Transforming Activity of a Synthetic c-Ha-ras Gene Containing O6-Methylguanine in Codon 12. Japanese Journal of Cancer Research, 1991, 82, 997-1002.	1.7	11
88	Novel DNA damage mediated by oxidation of an 8-oxoguanine residue. Chemical Communications, 1996, , 265.	2.2	11
89	2-Hydroxyadenine in DNA is a Very Poor Substrate of the Escherichia coli MutY Protein. Journal of Radiation Research, 2000, 41, 349-354.	0.8	10
90	Important amino acids in the phosphohydrolase module of Escherichia coli Orf135. Biochemical and Biophysical Research Communications, 2004, 323, 1063-1068.	1.0	10

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91	Correction of Frameshift Mutations with Single-Stranded and Double-Stranded DNA Fragments Prepared from Phagemid/Plasmid DNAs. Biological and Pharmaceutical Bulletin, 2005, 28, 1958-1962.	0.6	10
92	Effects of Overexpression and Antisense RNA Expression of Orf17, a MutT-Type Enzyme. Biological and Pharmaceutical Bulletin, 2006, 29, 1087-1091.	0.6	10
93	Targeted sequence alteration of a chromosomal locus in mouse liver. International Journal of Pharmaceutics, 2010, 387, 180-183.	2.6	10
94	Positive Feedback System Provides Efficient and Persistent Transgene Expression. Molecular Pharmaceutics, 2010, 7, 1125-1132.	2.3	10
95	Silencing of Exogenous DNA in Cultured Cells. Biological and Pharmaceutical Bulletin, 2006, 29, 1294-1296.	0.6	9
96	Effects of 8-hydroxy-GTP and 2-hydroxy-ATP on in vitro transcription. Free Radical Biology and Medicine, 2007, 43, 837-843.	1.3	9
97	Mutagenicity of secondary oxidation products of 8-oxo-7,8-dihydro-2â€²-deoxyguanosine 5â€²-triphosphate (8-hydroxy-2â€²- deoxyguanosine 5â€²-triphosphate). Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 714, 11-16.	0.4	9
98	Anatomy of plasmid DNAs with anti-silencing elements. International Journal of Pharmaceutics, 2014, 464, 27-33.	2.6	9
99	Induction of action-at-a-distance mutagenesis by 8-oxo-7,8-dihydroguanine in DNA pol Î»-knockdown cells. Genes and Environment, 2015, 37, 10.	0.9	9
100	Analysis of large deletion mutations induced by abasic site analog in human cells. Genes and Environment, 2018, 40, 24.	0.9	9
101	Mutations induced by 8-oxo-7,8-dihydroguanine in WRN- and DNA polymerase Î»-double knockdown cells. Mutagenesis, 2018, 33, 301-310.	1.0	9
102	2-Hydroxyadenine, a mutagenic form of oxidative DNA damage, is not repaired by a glycosylase type mechanism in rat organs. Mutation Research DNA Repair, 1998, 408, 121-127.	3.8	8
103	Pharmacokinetic Modeling of Species-dependent Enhanced Bioavailability of Trifluorothymidine by Thymidine Phosphorylase Inhibitor. Drug Metabolism and Pharmacokinetics, 2004, 19, 206-215.	1.1	8
104	Recognition of Nucleotide Analogs Containing the 7,8-Dihydro-8-oxo Structure by the Human MTH1 Protein. Journal of Biochemistry, 2006, 140, 843-849.	0.9	8
105	Genome Wide Expression Analysis of White Blood Cells and Liver of Pre-diabetic Otsuka Long-Evans Tokushima Fatty (OLETF) Rats Using a cDNA Microarray. Biological and Pharmaceutical Bulletin, 2006, 29, 2451-2459.	0.6	8
106	DNA Microarray Analysis of Type 2 Diabetes-Related Genes Co-regulated between White Blood Cells and Livers of Diabetic Otsuka Long-Evans Tokushima Fatty (OLETF) Rats. Biological and Pharmaceutical Bulletin, 2007, 30, 763-771.	0.6	8
107	2-Hydroxy-2â€˜-deoxyadenosine 5â€˜-Triphosphate Enhances AÂ·T â†’ CÂ·G Mutations Caused by 8-Hydroxy-2â€˜-deoxyguanosine 5â€˜-Triphosphate by Suppressing Its Degradation upon Replication in a HeLa Extract. Biochemistry, 2007, 46, 6639-6646.	1.2	8
108	Base excision repair enzyme endonuclease III suppresses mutagenesis caused by 8-hydroxy-dGTP. DNA Repair, 2008, 7, 88-94.	1.3	8

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109	Effects of Target Sequence and Sense versus Anti-sense Strands on Gene Correction with Single-stranded DNA Fragments. Journal of Biochemistry, 2008, 144, 431-436.	0.9	8
110	Effects of non-B DNA sequences on transgene expression. Journal of Bioscience and Bioengineering, 2009, 108, 20-23.	1.1	8
111	Transgene expression efficiency from plasmid DNA delivered as a complex with histone H3. International Journal of Pharmaceutics, 2010, 392, 249-253.	2.6	8
112	Correlation between transgen expression and plasmid DNA loss in mouse liver. Journal of Gene Medicine, 2013, 15, 242-248.	1.4	8
113	Preparation of 8-Hydroxy-dGTP and 2-Hydroxy-dATP by a Phosphate Transfer Reaction by Nucleoside-Diphosphate Kinase. Nucleosides & Nucleotides, 1999, 18, 307-310.	0.5	7
114	An oxidized nucleotide affects DNA replication through activation of protein kinases in Xenopus egg lysates. Nucleic Acids Research, 2002, 30, 569-573.	6.5	7
115	Crystallization and preliminary X-ray analysis of human MTH1 complexed with two oxidized nucleotides, 8-oxo-dGMP and 2-oxo-dATP. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 1283-1285.	0.7	7
116	Similar frequency and signature of untargeted substitutions induced by abasic site analog under reduced human APE1 conditions. Journal of Toxicological Sciences, 2021, 46, 283-288.	0.7	7
117	Induction of Transition and Transversion Mutations during Random Mutagenesis PCR by the Addition of 2-Hydroxy-dATP. Biological and Pharmaceutical Bulletin, 2004, 27, 621-623.	0.6	6
118	Transient Expression ofDrosophila melanogasterDeoxynucleoside Kinase Gene Enhances Cytotoxicity of Nucleoside Analogs. Nucleosides, Nucleotides and Nucleic Acids, 2006, 25, 553-560.	0.4	6
119	PKâ€“PD modeling of 1-(3-C-ethynyl-Î²-d-ribo-pentofuranosyl)cytosine and the enhanced antitumor effect of its phospholipid derivatives in long-circulating liposomes. International Journal of Pharmaceutics, 2009, 377, 52-59.	2.6	6
120	Effects of insulator cHS4 on transgene expression from plasmid DNA in a positive feedback system. Journal of Bioscience and Bioengineering, 2011, 112, 432-434.	1.1	6
121	Enhanced transgene expression by plasmid-specific recruitment of histone acetyltransferase. Journal of Bioscience and Bioengineering, 2017, 123, 277-280.	1.1	6
122	New indicator Escherichia coli strain for rapid and accurate detection of supF mutations. Genes and Environment, 2020, 42, 28.	0.9	6
123	Paradoxical role of the major DNA repair protein, OGG1, in action-at-a-distance mutation induction by 8-oxo-7,8-dihydroguanine. DNA Repair, 2022, 111, 103276.	1.3	6
124	Nucleotide Incorporation Opposite Degenerate Bases byTaqDNA Polymerase. Nucleosides & Nucleotides, 1994, 13, 1483-1492.	0.5	5
125	Effect of Methylated Adenine in Plasmid DNA on Transgene Expression in Mice. Biological and Pharmaceutical Bulletin, 2005, 28, 2019-2022.	0.6	5
126	Induction of Various Mutations during PCRs with Manganese and 8-Hydroxy-dGTP. Biological and Pharmaceutical Bulletin, 2007, 30, 842-844.	0.6	5

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127	CREB-binding protein transcription activation domain for enhanced transgene expression by a positive feedback system. Journal of Biotechnology, 2012, 157, 7-11.	1.9	5
128	Cleavage of Target DNA Promotes Sequence Conversion with a Tailed Duplex. Biological and Pharmaceutical Bulletin, 2016, 39, 1392-1395.	0.6	5
129	Insertion and Deletion Mismatches Distant from the Target Position Improve Gene Correction with a Tailed Duplex. Nucleosides, Nucleotides and Nucleic Acids, 2016, 35, 379-388.	0.4	5
130	Action-at-a-distance mutations at 5â€²-GpA-3â€² sites induced by oxidised guanine in WRN-knockdown cells. Mutagenesis, 2021, 36, 349-357.	1.0	5
131	Programmed Packaging: A New Drug Delivery System and its Application to Gene Therapy. , 0, , 1521-1536.		5
132	Cytotoxic Effect of Drosophila Deoxynucleoside Kinase Gene on Replicating Plasmid in HeLa Cells. Biological and Pharmaceutical Bulletin, 2010, 33, 1223-1227.	0.6	4
133	Effects of Endogenous Proteins and microRNA Target Sequence in a Positive Feedback System. Biological and Pharmaceutical Bulletin, 2012, 35, 1534-1538.	0.6	4
134	Reduced Plasma Glucose by Asparagine Synthetase Knockdown in the Mouse Liver. Biological and Pharmaceutical Bulletin, 2013, 36, 2009-2011.	0.6	4
135	Effects of mismatches distant from the target position on gene correction with a 5â€²-tailed duplex. Journal of Bioscience and Bioengineering, 2018, 125, 619-623.	1.1	4
136	Durable Transgene Expression Driven by CpG-Free and -Containing Promoters in Plasmid DNA with CpG-Free Backbone. Biological and Pharmaceutical Bulletin, 2018, 41, 1489-1493.	0.6	4
137	Large deletions and untargeted substitutions induced by abasic site analog on leading versus lagging strand templates in human cells. Mutagenesis, 2019, 34, 421-429.	1.0	4
138	Conventional plasmid DNAs with a CpGâ€containing backbone achieve durable transgene expression in mouse liver. Journal of Gene Medicine, 2020, 22, e3138.	1.4	4
139	Single-stranded DNA versus tailed duplex in sequence conversion of lacZÎ± DNA. Nucleosides, Nucleotides and Nucleic Acids, 2020, 39, 1245-1250.	0.4	4
140	Synthesis of a gene for the protein kinase domain of the epidermal growth factor receptor and its expression in Escherichia coli. FEBS Journal, 1989, 184, 361-365.	0.2	3
141	Effects of carriers on transgene expression from plasmids containing a DNA sequence with high histone affinity. International Journal of Pharmaceutics, 2009, 376, 99-103.	2.6	3
142	Correction of Frameshift Mutations with Tailed Duplex DNAs. Biological and Pharmaceutical Bulletin, 2011, 34, 1465-1468.	0.6	3
143	Insights into substrate recognition by the Escherichia coli Orf135 protein through its solution structure. Biochemical and Biophysical Research Communications, 2012, 420, 263-268.	1.0	3
144	Gene correction by 5â€²-tailed duplexes with short editor oligodeoxyribonucleotides. Journal of Bioscience and Bioengineering, 2021, 132, 552-559.	1.1	3

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145	DNA Polymerase ^|^lambda; Promotes Mutagenesis Induced by 8-Oxo-7,8-dihydroguanine (8-hydroxyguanine) Paired with Adenine. Genes and Environment, 2013, 35, 105-109.	0.9	3
146	Enhanced transgene expression from chromatinized plasmid DNA in mouse liver. International Journal of Pharmaceutics, 2013, 441, 146-150.	2.6	2
147	Comparison of DNA fragments as donor DNAs upon sequence conversion of cleaved target DNA. Nucleosides, Nucleotides and Nucleic Acids, 2017, 36, 428-434.	0.4	2
148	High-throughput analysis of DNA repair in microplates towards identification of inhibitors. Genes and Environment, 2020, 42, 11.	0.9	2
149	Correlation between the Phosphohydrolase Activity of the Escherichia coli Orf135 (NudG) Protein and Mutation Suppression. Genes and Environment, 2007, 29, 63-66.	0.9	2
150	Conversion of the guanine nucleotide binding sites of ras protein resulting in the reduction of base specificity. Protein Engineering, Design and Selection, 1988, 2, 227-231.	1.0	1
151	A Simple, General Method for Detecting Retroviral RNAs Expressed in Cells. Japanese Journal of Cancer Research, 1990, 81, 232-237.	1.7	1
152	Nucleosides and nucleotides. Part 226: Alternate-strand triple-helix formation by 3â€²-3â€²-linked oligodeoxynucleotides composed of asymmetrical sequences. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3333-3336.	1.0	1
153	1H, 13C and 15N NMR assignments of the Escherichia coli Orf135 protein. Biomolecular NMR Assignments, 2012, 6, 1-4.	0.4	1
154	In vivo selection of active deoxyribonucleoside kinase by a mutagenic nucleoside analog. Journal of Biotechnology, 2016, 228, 52-57.	1.9	1
155	No enhancing effects of plasmid-specific histone acetyltransferase recruitment system on transgene expression in vivo. Nucleosides, Nucleotides and Nucleic Acids, 2019, 38, 942-949.	0.4	1
156	Tyrosyl-DNA phosphodiesterases are involved in mutagenic events at a ribonucleotide embedded into DNA in human cells. PLoS ONE, 2020, 15, e0244790.	1.1	1
157	Induction of Substitution and Deletion Mutations by 2-Hydroxyadenine during Replication in a HeLa Extract. Genes and Environment, 2006, 28, 92-96.	0.9	1
158	Correction of monomeric enhanced green fluorescent protein (mEGFP) gene by short 5â€²-tailed duplexes. Journal of Bioscience and Bioengineering, 2022, 134, 175-181.	1.1	1
159	Mutations induced by 2-hydroxy-dATP during in vitro replication with a HeLa extract. Nucleic Acids Symposium Series, 2003, 3, 325-326.	0.3	0
160	Suppression of Short Tract Gene Conversion in Episomal DNA by p53 Reduction. Genes and Environment, 2014, 36, 65-68.	0.9	0