R Stephen Lloyd

List of Publications by Year
in descending order

144 papers	5,969 citations	61984 43 h-index	88630 70 g-index
146 all docs	146 docs citations	146 times ranked	3585 citing authors

#	Article	IF	Citations
1	Polymorphic variant Asp239Tyr of human DNA glycosylase NTHL1 is inactive for removal of a variety of oxidatively-induced DNA base lesions from genomic DNA. DNA Repair, 2022, 117, 103372.	2.8	3
2	Inhibition by Tetrahydroquinoline Sulfonamide Derivatives of the Activity of Human 8-Oxoguanine DNA Glycosylase (OGG1) for Several Products of Oxidatively induced DNA Base Lesions. ACS Chemical Biology, 2021, 16, 45-51.	3.4	3
3	DNA Sequence Modulates the Efficiency of NEIL1-Catalyzed Excision of the Aflatoxin B₁-Induced Formamidopyrimidine Guanine Adduct. Chemical Research in Toxicology, 2021, 34, 901-911.	3.3	7
4	Enhanced cytarabine-induced killing in OGG1-deficient acute myeloid leukemia cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
5	Maternal Transmission of Human OGG1 Protects Mice Against Genetically- and Diet-Induced Obesity Through Increased Tissue Mitochondrial Content. Frontiers in Cell and Developmental Biology, 2021, 9, 718962.	3.7	5
6	DNA glycosylase deficiency leads to decreased severity of lupus in the Polb-Y265C mouse model. DNA Repair, 2021, 105, 103152.	2.8	3
7	Exosomal miRâ€221 derived from hydroquinoneâ€transformed malignant human bronchial epithelial cells is involved in cell viability of recipient cells. Journal of Applied Toxicology, 2020, 40, 224-233.	2.8	12
8	Recognition of DNA adducts by edited and unedited forms of DNA glycosylase NEIL1. DNA Repair, 2020, 85, 102741.	2.8	20
9	Exosomes derived from normal human bronchial epithelial cells down-regulate proliferation and migration of hydroquinone-transformed malignant recipient cells via up-regulating PTEN expression. Chemosphere, 2020, 244, 125496.	8.2	6
10	OGG1 deficiency alters the intestinal microbiome and increases intestinal inflammation in a mouse model. PLoS ONE, 2020, 15, e0227501.	2.5	18
11	Roles of OGG1 in transcriptional regulation and maintenance of metabolic homeostasis. DNA Repair, 2019, 81, 102667.	2.8	34
12	Characterization of rare NEIL1 variants found in East Asian populations. DNA Repair, 2019, 79, 32-39.	2.8	9
13	Mechanisms underlying aflatoxin-associated mutagenesis â€“ Implications in carcinogenesis. DNA Repair, 2019, 77, 76-86.	2.8	63
14	Aflatoxin-Guanine DNA Adducts and Oxidatively Induced DNA Damage in Aflatoxin-Treated Mice <i>in Vivo</i> as Measured by Liquid Chromatography-Tandem Mass Spectrometry with Isotope Dilution. Chemical Research in Toxicology, 2019, 32, 80-89.	3.3	30
15	Processing of N-substituted formamidopyrimidine DNA adducts by DNA glycosylases NEIL1 and NEIL3. DNA Repair, 2019, 73, 49-54.	2.8	13
16	Modulation of UVB-induced Carcinogenesis by Activation of Alternative DNA Repair Pathways. Scientific Reports, 2018, 8, 705.	3.3	11
17	The DNA Repair Protein OGG1 Protects Against Obesity by Altering Mitochondrial Energetics in White Adipose Tissue. Scientific Reports, 2018, 8, 14886.	3.3	53
18	Enhanced Mitochondrial DNA Repair Confers Protection Against Obesity and Metabolic Syndrome by Altering White Adipose Tissue Energetics. FASEB Journal, 2018, 32, 670.44.	0.5	0

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19	Errorâ€prone replication bypass of the imidazole ringâ€opened formamidopyrimidine deoxyguanosine adduct. Environmental and Molecular Mutagenesis, 2017, 58, 182-189.	2.2	6
20	NEIL1 protects against aflatoxin-induced hepatocellular carcinoma in mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4207-4212.	7.1	44
21	Mutagenic potential of nitrogen mustard-induced formamidopyrimidine DNA adduct: Contribution of the non-canonical Î±-anomer. Journal of Biological Chemistry, 2017, 292, 18790-18799.	3.4	9
22	Enzymes in the Base Excision Repair Pathway as Targets for Small Molecule Mediated Therapeutics. , 2017, , 663-729.		0
23	8-oxoguanine DNA glycosylase (OGG1) deficiency elicits coordinated changes in lipid and mitochondrial metabolism in muscle. PLoS ONE, 2017, 12, e0181687.	2.5	28
24	Catalysts of DNA Strand Cleavage at Apurinic/Apyrimidinic Sites. Scientific Reports, 2016, 6, 28894.	3.3	16
25	DNA polymerase Î¶ limits chromosomal damage and promotes cell survival following aflatoxin exposure. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13774-13779.	7.1	22
26	Enhanced sensitivity of Neil1âˆ’/âˆ’ mice to chronic UVB exposure. DNA Repair, 2016, 48, 43-50.	2.8	11
27	Small Molecule Inhibitors of 8-Oxoguanine DNA Glycosylase-1 (OGG1). ACS Chemical Biology, 2015, 10, 2334-2343.	3.4	72
28	Error-prone Replication Bypass of the Primary Aflatoxin B1 DNA Adduct, AFB1-N7-Gua. Journal of Biological Chemistry, 2014, 289, 18497-18506.	3.4	44
29	Molecular basis of aflatoxin-induced mutagenesisâ€"role of the aflatoxin B1-formamidopyrimidine adduct. Carcinogenesis, 2014, 35, 1461-1468.	2.8	47
30	Pyrosequencing: applicability for studying DNA damageâ€induced mutagenesis. Environmental and Molecular Mutagenesis, 2014, 55, 601-608.	2.2	2
31	Mutagenic Spectra Arising from Replication Bypass of the 2,6-Diamino-4-hydroxy-<i>N</i>⁵-methyl Formamidopyrimidine Adduct in Primate Cells. Chemical Research in Toxicology, 2013, 26, 1108-1114.	3.3	17
32	Leukotriene Biosynthesis Inhibitor MK886 Impedes DNA Polymerase Activity. Chemical Research in Toxicology, 2013, 26, 221-232.	3.3	17
33	Translesion Synthesis Past Acrolein-derived DNA Adducts by Human Mitochondrial DNA Polymerase Î³. Journal of Biological Chemistry, 2013, 288, 14247-14255.	3.4	23
34	Sequence context modulation of polycyclic aromatic hydrocarbonâ€induced mutagenesis. Environmental and Molecular Mutagenesis, 2013, 54, 652-658.	2.2	3
35	Inhibition of DNA Glycosylases via Small Molecule Purine Analogs. PLoS ONE, 2013, 8, e81667.	2.5	35
36	Molecular mechanisms underlying aflatoxinâ€induced mutagenesis. FASEB Journal, 2013, 27, lb78.	0.5	0

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37	Inhibition of HIV-1 Reverse Transcriptase-Catalyzed Synthesis by Intercalated DNA Benzo[a]Pyrene 7,8-Dihydrodiol-9,10-Epoxide Adducts. PLoS ONE, 2013, 8, e72131.	2.5	0
38	Replication Bypass of N2-Deoxyguanosine Interstrand Cross-Links by Human DNA Polymerases Î· and Î¹. Chemical Research in Toxicology, 2012, 25, 755-762.	3.3	26
39	Replication of the 2,6-Diamino-4-hydroxy-<i>N</i>⁵-(methyl)-formamidopyrimidine (MeFapy-dGuo) Adduct by Eukaryotic DNA Polymerases. Chemical Research in Toxicology, 2012, 25, 1652-1661.	3.3	15
40	8-Oxoguanine DNA Glycosylase (OGG1) Deficiency Increases Susceptibility to Obesity and Metabolic Dysfunction. PLoS ONE, 2012, 7, e51697.	2.5	108
41	Regulation of DNA glycosylases and their role in limiting disease. Free Radical Research, 2012, 46, 460-478.	3.3	41
42	A Comprehensive Strategy to Discover Inhibitors of the Translesion Synthesis DNA Polymerase Îº. PLoS ONE, 2012, 7, e45032.	2.5	32
43	Carbinolamine Formation and Dehydration in a DNA Repair Enzyme Active Site. PLoS ONE, 2012, 7, e31377.	2.5	1
44	Î³-Hydroxy-1,N2-propano-2â€²-deoxyguanosine DNA Adduct Conjugates the N-Terminal Amine of the KWKK Peptide via a Carbinolamine Linkage. Chemical Research in Toxicology, 2011, 24, 1123-1133.	3.3	5
45	The Base Excision Repair Pathway Is Required for Efficient Lentivirus Integration. PLoS ONE, 2011, 6, e17862.	2.5	38
46	Modulation of the processive abasic site lyase activity of a pyrimidine dimer glycosylase. DNA Repair, 2011, 10, 1014-1022.	2.8	4
47	TAT-Mediated Delivery of a DNA Repair Enzyme to Skin Cells Rapidly Initiates Repair of UV-Induced DNA Damage. Journal of Investigative Dermatology, 2011, 131, 753-761.	0.7	22
48	Role of High-Fidelity Escherichia coli DNA Polymerase I in Replication Bypass of a Deoxyadenosine DNA-Peptide Cross-Link. Journal of Bacteriology, 2011, 193, 3815-3821.	2.2	19
49	DNA crossâ€link induced by <i>trans</i>â€4â€hydroxynonenal. Environmental and Molecular Mutagenesis, 2010, 51, 625-634.	2.2	43
50	Modulation of UvrD Helicase Activity by Covalent DNA-Protein Cross-links. Journal of Biological Chemistry, 2010, 285, 21313-21322.	3.4	19
51	Novel Enzymatic Function of DNA Polymerase Î½ in Translesion DNA Synthesis Past Major Groove DNAâˆ’Peptide and DNAâˆ’DNA Cross-Links. Chemical Research in Toxicology, 2010, 23, 689-695.	3.3	57
52	Minor Groove Orientation of the KWKK Peptide Tethered via the N-Terminal Amine to the Acrolein-Derived 1,<i>N</i>²-Î³-Hydroxypropanodeoxyguanosine Lesion with a Trimethylene Linkage,. Biochemistry, 2010, 49, 6155-6164.	2.5	11
53	Evidence for the Involvement of DNA Repair Enzyme NEIL1 in Nucleotide Excision Repair of (5â€²<i>R</i>)- and (5â€²<i>S</i>)-8,5â€²-Cyclo-2â€²-deoxyadenosines. Biochemistry, 2010, 49, 1053-1055.	2.5	50
54	Targeted deletion of the genes encoding NTH1 and NEIL1 DNA N-glycosylases reveals the existence of novel carcinogenic oxidative damage to DNA. DNA Repair, 2009, 8, 786-794.	2.8	101

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55	Deficiency of the oxidative damage-specific DNA glycosylase NEIL1 leads to reduced germinal center B cell expansion. DNA Repair, 2009, 8, 1328-1332.	2.8	29
56	Conformational Interconversion of the trans-4-Hydroxynonenal-Derived (6S,8R,11S) 1,N2-Deoxyguanosine Adduct When Mismatched with Deoxyadenosine in DNA. Chemical Research in Toxicology, 2009, 22, 187-200.	3.3	15
57	Chemistry and Biology of DNA Containing 1,<i>N</i>²-Deoxyguanosine Adducts of the Î±,Î²-Unsaturated Aldehydes Acrolein, Crotonaldehyde, and 4-Hydroxynonenal. Chemical Research in Toxicology, 2009, 22, 759-778.	3.3	155
58	Mutagenic potential of DNAâ€“peptide crosslinks mediated by acrolein-derived DNA adducts. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 637, 161-172.	1.0	48
59	Replication Bypass of the Acrolein-Mediated Deoxyguanine DNA-Peptide Cross-Links by DNA Polymerases of the DinB Family. Chemical Research in Toxicology, 2008, 21, 1983-1990.	3.3	67
60	Interstrand DNA Cross-Links Induced by Î±,Î²-Unsaturated Aldehydes Derived from Lipid Peroxidation and Environmental Sources. Accounts of Chemical Research, 2008, 41, 793-804.	15.6	161
61	Replication Bypass of Interstrand Cross-link Intermediates by Escherichia coli DNA Polymerase IV. Journal of Biological Chemistry, 2008, 283, 27433-27437.	3.4	49
62	Role for DNA Polymerase Îº in the Processing of N2-N2-Guanine Interstrand Cross-links. Journal of Biological Chemistry, 2008, 283, 17075-17082.	3.4	120
63	Butadiene-Mediated Mutagenesis and Carcinogenesis. , 2008, , 1-31.		0
64	Human Polymorphic Variants of the NEIL1 DNA Glycosylase. Journal of Biological Chemistry, 2007, 282, 15790-15798.	3.4	70
65	Mutagenic bypass of the butadiene-derived 2â€²-deoxyuridine adducts by polymerases Î· and Î¶. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 625, 40-49.	1.0	6
66	Synthesis and Mutagenesis of the Butadiene-Derived N3 2â€˜-Deoxyuridine Adducts. Chemical Research in Toxicology, 2006, 19, 968-976.	3.3	12
67	Stereospecific Formation of Interstrand Carbinolamine DNA Cross-Links by Crotonaldehyde- and Acetaldehyde-Derived Î±-CH3-Î³-OH-1,N2-Propano-2â€˜-deoxyguanosine Adducts in the 5â€˜-CpG-3â€˜ Sequence. Chemical Research in Toxicology, 2006, 19, 195-208.	3.3	57
68	Orientation of the Crotonaldehyde-Derived N2-[3-Oxo-1(S)-methyl-propyl]-dG DNA Adduct Hinders Interstrand Cross-Link Formation in the 5â€˜-CpG-3â€˜ Sequence. Chemical Research in Toxicology, 2006, 19, 1019-1029.	3.3	20
69	Uncoupling of Nucleotide Flipping and DNA Bending by the T4 Pyrimidine Dimer DNA Glycosylase. Biochemistry, 2006, 45, 14192-14200.	2.5	9
70	Structure of T4 Pyrimidine Dimer Glycosylase in a Reduced Imine Covalent Complex with Abasic Site-containing DNA. Journal of Molecular Biology, 2006, 362, 241-258.	4.2	27
71	The metabolic syndrome resulting from a knockout of the NEIL1 DNA glycosylase. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1864-1869.	7.1	219
72	Investigations of pyrimidine dimer glycosylases â€” a paradigm for DNA base excision repair enzymology. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 577, 77-91.	1.0	34

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73	Mammalian cell mutagenesis of the DNA adducts of vinyl chloride and crotonaldehyde. Environmental and Molecular Mutagenesis, 2005, 45, 455-459.	2.2	54
74	Human DNA Polymerase Î¹ Promotes Replication through a Ring-Closed Minor-Groove Adduct That Adopts a syn Conformation in DNA. Molecular and Cellular Biology, 2005, 25, 8748-8754.	2.3	43
75	Spectroscopic Characterization of Interstrand Carbinolamine Cross-Links Formed in the 5â€˜-CpG-3â€˜ Sequence by the Acrolein-Derived Î³-OH-1,Nâ€‰2-Propano-2â€˜-deoxyguanosine DNA Adduct. Journal of the American Chemical Society, 2005, 127, 17686-17696.	13.7	41
76	Structure of the 1,4-Bis(2â€˜-deoxyadenosin-N6-yl)-2R,3R-butanediol Cross-Link Arising from Alkylation of the Human N-ras Codon 61 by Butadiene Diepoxide. Biochemistry, 2005, 44, 10081-10092.	2.5	5
77	Initiation of Repair of DNAâˆ'Polypeptide Cross-Links by the UvrABC Nucleaseâ€. Biochemistry, 2005, 44, 3000-3009.	2.5	66
78	Evidence for Escherichia coli polymerase II mutagenic bypass of intrastrand DNA crosslinks. DNA Repair, 2005, 4, 1374-1380.	2.8	15
79	In Search of Damaged Bases. , 2005, , .		0
80	Role of His-16 in Turnover of T4 Pyrimidine Dimer Glycosylase. Journal of Biological Chemistry, 2004, 279, 3348-3353.	3.4	4
81	Efficient and Error-Free Replication past a Minor-Groove N 2 -Guanine Adduct by the Sequential Action of Yeast Rev1 and DNA Polymerase Î¶. Molecular and Cellular Biology, 2004, 24, 6900-6906.	2.3	99
82	Reaction Intermediates in the Catalytic Mechanism of Escherichia coli MutY DNA Glycosylase. Journal of Biological Chemistry, 2004, 279, 46930-46939.	3.4	47
83	Efficient and Error-Free Replication Past a Minor-Groove DNA Adduct by the Sequential Action of Human DNA Polymerases Î¹ and Îº. Molecular and Cellular Biology, 2004, 24, 5687-5693.	2.3	114
84	Site-specific mutagenicity of stereochemically defined 1,N2-deoxyguanosine adducts oftrans-4-hydroxynonenal in mammalian cells. Environmental and Molecular Mutagenesis, 2003, 42, 68-74.	2.2	49
85	Comparative Evaluation of the Bioreactivity and Mutagenic Spectra of Acrolein-Derived Î±-HOPdG and Î³-HOPdG Regioisomeric Deoxyguanosine Adducts. Chemical Research in Toxicology, 2003, 16, 1019-1028.	3.3	61
86	Initiation of repair of A/G mismatches is modulated by sequence context. DNA Repair, 2003, 2, 863-878.	2.8	20
87	Translesion Synthesis past Acrolein-derived DNA Adduct, Î³-Hydroxypropanodeoxyguanosine, by Yeast and Human DNA Polymerase Î·. Journal of Biological Chemistry, 2003, 278, 784-790.	3.4	78
88	1,N 2-Deoxyguanosine Adducts of Acrolein, Crotonaldehyde, and trans-4-Hydroxynonenal Cross-link to Peptides via Schiff Base Linkage. Journal of Biological Chemistry, 2003, 278, 5970-5976.	3.4	126
89	Determination of Active Site Residues in Escherichia coli Endonuclease VIII. Journal of Biological Chemistry, 2002, 277, 2938-2944.	3.4	43
90	Error Prone Translesion Synthesis Past Î³-Hydroxypropano Deoxyguanosine, the Primary Acrolein-derived Adduct in Mammalian Cells. Journal of Biological Chemistry, 2002, 277, 18257-18265.	3.4	70

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91	Incision of DNA-protein crosslinks by UvrABC nuclease suggests a potential repair pathway involving nucleotide excision repair. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1905-1909.	7.1	94
92	Intrastrand DNA Cross-Links as Tools for Studying DNA Replication and Repair:â€‰ Two-, Three-, and Four-Carbon Tethers between the N2 Positions of Adjacent Guanines. Biochemistry, 2002, 41, 3109-3118.	2.5	19
93	Evidence for Multiple Imino Intermediates and Identification of Reactive Nucleophiles in Peptide-Catalyzed Î²-Elimination at Abasic Sitesâ€. Biochemistry, 2002, 41, 7054-7064.	2.5	39
94	Mutagenic Spectrum of Butadiene-Derived N1-Deoxyinosine Adducts and N6,N6-Deoxyadenosine Intrastrand Cross-Links in Mammalian Cells. Chemical Research in Toxicology, 2002, 15, 1572-1580.	3.3	34
95	T4 Endonuclease V: Use of NMR and Borohydride Trapping to Provide Evidence for Covalent Enzymeâ€"Substrate Imine Intermediate. Methods in Enzymology, 2002, 354, 202-207.	1.0	6
96	Mechanistic comparisons among base excision repair glycosylases3 3This article is part of a series of reviews on â€œOxidative DNA Damage and Repair.â€•The full list of papers may be found on the homepage of the journal.. Free Radical Biology and Medicine, 2002, 32, 678-682.	2.9	48
97	Chlorella Virus Pyrimidine Dimer Glycosylase Excises Ultraviolet Radiation- and Hydroxyl Radical-induced Products 4,6-Diamino-5-formamidopyrimidine and 2,6-Diamino-4-hydroxy-5-formamidopyrimidine from DNAÂ¶. Photochemistry and Photobiology, 2002, 75, 85-91.	2.5	0
98	Chlorella Virus Pyrimidine Dimer Glycosylase Excises Ultraviolet Radiationâ€" and Hydroxyl Radicalâ€"induced Products 4,6-Diamino-5-formamidopyrimidine and 2,6-Diamino-4-hydroxy-5-formamidopyrimidine from DNAÂ¶. Photochemistry and Photobiology, 2002, 75, 85.	2.5	22
99	Potential double-flipping mechanism by E. coli MutY. Progress in Molecular Biology and Translational Science, 2001, 68, 349-364.	1.9	14
100	Interchain Cross-Linking of DNA Mediated by the Principal Adduct of Acrolein. Chemical Research in Toxicology, 2001, 14, 1482-1485.	3.3	65
101	The Reaction Mechanism of DNA Glycosylase/AP Lyases at Abasic Sitesâ€. Biochemistry, 2001, 40, 561-568.	2.5	60
102	Substrate Specificity and Excision Kinetics ofEscherichia coliEndonuclease VIII (Nei) for Modified Bases in DNA Damaged by Free Radicalsâ€. Biochemistry, 2001, 40, 12150-12156.	2.5	46
103	Point mutations induced by 1,2-epoxy-3-butene N1 deoxyinosine adducts. Environmental and Molecular Mutagenesis, 2001, 38, 292-296.	2.2	19
104	Efficient nonmutagenic replication bypass of DNAs containing ?-adducts of styrene oxide at adenine N6. Environmental and Molecular Mutagenesis, 2001, 38, 357-360.	2.2	10
105	Processivity of DNA Repair Enzymes. , 2001, 160, 003-014.		2
106	Mutagenic potential of adenine N6 adducts of monoepoxide and diolepoxide derivatives of butadiene. , 2000, 35, 48-56.		57
107	Intron Conservation in a UV-Specific DNA Repair Gene Encoded by Chlorella Viruses. Journal of Molecular Evolution, 2000, 50, 82-92.	1.8	21
108	Two Glycosylase/Abasic Lyases from Neisseria mucosaThat Initiate DNA Repair at Sites of UV-induced Photoproducts. Journal of Biological Chemistry, 2000, 275, 23569-23576.	3.4	10

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109	Structural Similarities between MutT and the C-Terminal Domain of MutYâ€. Biochemistry, 2000, 39, 7331-7336.	2.5	58
110	Involvement of Phylogenetically Conserved Acidic Amino Acid Residues in Catalysis by an Oxidative DNA Damage Enzyme Formamidopyrimidine Glycosylase. Biochemistry, 2000, 39, 15266-15271.	2.5	48
111	Mutagenic Potential of Guanine N2 Adducts of Butadiene Mono- and Diolepoxide. Chemical Research in Toxicology, 2000, 13, 18-25.	3.3	38
112	The Catalytic Mechanism of a Pyrimidine Dimer-specific Glycosylase (pdg)/Abasic Lyase, chlorella virus-pdg. Journal of Biological Chemistry, 1999, 274, 9786-9794.	3.4	24
113	1H, 13C and 15N resonance assignments of the C-terminal domain of MutY: an adenine glycosylase active on G:A mismatches. Journal of Biomolecular NMR, 1999, 14, 385-386.	2.8	5
114	Initiation of Base Excision Repair: Glycosylase Mechanisms and Structures. Annual Review of Biochemistry, 1999, 68, 255-285.	11.1	363
115	MutY catalytic core, mutant and bound adenine structures define specificity for DNA repair enzyme superfamily. Nature Structural Biology, 1998, 5, 1058-1064.	9.7	297
116	Multiple Conformations of an Intercalated (â^')-(7S,8R,9S,10R)-N6-[10-(7,8,9,10-Tetrahydrobenzo[a]pyrenyl)]-2â€˜-deoxyadenosyl Adduct in the N-ras Codon 61 Sequence. Biochemistry, 1998, 37, 16516-16528.	2.5	43
117	Characterization of a Novel cis-synandtrans-syn-IIPyrimidine Dimer Glycosylase/AP Lyase from a Eukaryotic Algal Virus, Paramecium bursaria chlorellaVirus-1. Journal of Biological Chemistry, 1998, 273, 13136-13142.	3.4	53
118	The Initiation of DNA Base Excision Repair of Dipyrimidine Photoproducts. Progress in Molecular Biology and Translational Science, 1998, 62, 155-175.	1.9	38
119	Probing Structure/Function Relationships of HIV-1 Reverse Transcriptase with Styrene Oxide N2-Guanine Adducts. Journal of Biological Chemistry, 1997, 272, 8525-8530.	3.4	27
120	Lack of Correlation between in Vitro and in Vivo Replication of Precisely Defined Benz[a]anthracene Adducted DNAs. Journal of Biological Chemistry, 1997, 272, 33211-33219.	3.4	29
121	The Role of Base Flipping in Damage Recognition and Catalysis by T4 Endonuclease V. Journal of Biological Chemistry, 1997, 272, 27210-27217.	3.4	61
122	Cloning, Overexpression, and Biochemical Characterization of the Catalytic Domain of MutY. Biochemistry, 1997, 36, 11140-11152.	2.5	82
123	Role of Specific Amino Acid Residues in T4 Endonuclease V That Alter Nontarget DNA Binding. Biochemistry, 1997, 36, 4080-4088.	2.5	17
124	Mechanistic link between DNA methyltransferases and DNA repair enzymes by base flipping. , 1997, 44, 139-151.		14
125	Comparison of the Efficiency of Synthesis Past Single Bulky DNA AdductsinVivoandinVitroby the Polymerase III Holoenzyme. Chemical Research in Toxicology, 1996, 9, 1167-1175.	3.3	12
126	Impact of the Stereochemistry of Benzo[a]pyrene 7,8-Dihydrodiol 9,10-Epoxideâ^'Deoxyadenosine Adducts on Resistance to Digestion by Phosphodiesterases I and II and Translesion Synthesis with HIV-1 Reverse Transcriptase. Chemical Research in Toxicology, 1996, 9, 409-417.	3.3	19

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127	Structural Determinants for Specific Recognition by T4 Endonuclease V. Journal of Biological Chemistry, 1996, 271, 32147-32152.	3.4	27
128	Identification of the Structural and Functional Domains of MutY, an DNA Mismatch Repair Enzyme. Journal of Biological Chemistry, 1996, 271, 16218-16226.	3.4	76
129	Studies on the Catalytic Mechanism of Five DNA Glycosylases. Journal of Biological Chemistry, 1995, 270, 19501-19508.	3.4	134
130	Involvement of Glutamic Acid 23 in the Catalytic Mechanism of T4 Endonuclease V. Journal of Biological Chemistry, 1995, 270, 2652-2661.	3.4	32
131	In vivo and in Vitro Replication Consequences of Stereoisomeric Benzo[a]pyrene-7,8-dihydrodiol 9,10-Epoxide Adducts on Adenine N6 at the Second Position of N-ras Codon 61. Journal of Biological Chemistry, 1995, 270, 4990-5000.	3.4	88
132	Purification and Cloning of Micrococcus luteus Ultraviolet Endonuclease, an N-Glycosylase/Abasic Lyase That Proceeds via an Imino Enzyme-DNA Intermediate. Journal of Biological Chemistry, 1995, 270, 23475-23484.	3.4	62
133	.delta.-Elimination by T4 Endonuclease V at a Thymine Dimer Site Requires a Secondary Binding Event and Amino Acid Glu-23. Biochemistry, 1995, 34, 8796-8803.	2.5	28
134	mutation of tryptophan 128 in T4 endonuclease V does not affect glycosylase or abasic site lyase activity. Biochemistry, 1994, 33, 9024-9031.	2.5	10
135	Evidence for an imino intermediate in the T4 endonuclease V reaction. Biochemistry, 1993, 32, 8284-8290.	2.5	152
136	Processivity of uracil DNA glycosylase. Mutation Research DNA Repair, 1993, 294, 109-116.	3.7	56
137	Conserved features of selenoprotein P cDNA. Biochemical Society Transactions, 1993, 21, 832-835.	3.4	8
138	Consequences of molecular engineering - enhanced DNA binding in a DNA repair enzyme. Biochemistry, 1992, 31, 4189-4198.	2.5	19
139	Mutations in endonuclease V that affect both protein-protein association and target site location. Biochemistry, 1991, 30, 8638-8648.	2.5	25
140	Site-directed mutagenesis of the T4 endonuclease V Gene: Mutations which enhance enzyme specific activity at low salt concentrations. Proteins: Structure, Function and Bioinformatics, 1989, 6, 128-138.	2.6	9
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142	Site-directed mutagenesis of the T4 endonuclease V gene: role of lysine-130. Biochemistry, 1988, 27, 1832-1838.	2.5	32
143	Site-directed mutagenesis of the T4 endonuclease V gene: role of tyrosine-129 and -131 in pyrimidine dimer-specific binding. Biochemistry, 1988, 27, 1839-1843.	2.5	33
144	Cytochrome <i>P</i>-450 enzymes involved in genetic polymorphism of drug oxidation in humans. Biochemical Society Transactions, 1987, 15, 576-578.	3.4	14