

Miral Dizdaroglu

List of Publications by Year in descending order

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196
papers

21,851
citations

12322

69
h-index

9090

144
g-index

199
all docs

199
docs citations

199
times ranked

18280
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative DNA damage: mechanisms, mutation, and disease. <i>FASEB Journal</i> , 2003, 17, 1195-1214.	0.2	2,603
2	Linking uracil base excision repair and 5-fluorouracil toxicity in yeast. <i>Nucleic Acids Research</i> , 2006, 34, 140-151.	6.5	1,877
3	Oxidative DNA damage and disease: induction, repair and significance. <i>Mutation Research - Reviews in Mutation Research</i> , 2004, 567, 1-61.	2.4	1,102
4	Free radical-induced damage to DNA: mechanisms and measurement 1,2 1This article is part of a series of reviews on "Oxidative DNA Damage and Repair." The full list of papers may be found on the homepage of the journal. 2Guest Editor: Miral Dizdaroglu. <i>Free Radical Biology and Medicine</i> , 2002, 32, 1102-1115.	1.3	814
5	Mechanistic studies of ionizing radiation and oxidative mutagenesis: genetic effects of a single 8-hydroxyguanine (7-hydro-8-oxoguanine) residue inserted at a unique site in a viral genome. <i>Biochemistry</i> , 1990, 29, 7024-7032.	1.2	735
6	Substrate specificity of the Escherichia coli Fpg protein formamidopyrimidine-DNA glycosylase: excision of purine lesions in DNA produced by ionizing radiation or photosensitization. <i>Biochemistry</i> , 1992, 31, 106-110.	1.2	613
7	Mechanisms of free radical-induced damage to DNA. <i>Free Radical Research</i> , 2012, 46, 382-419.	1.5	543
8	Oxidative damage to DNA in mammalian chromatin. <i>Mutation Research - DNAging</i> , 1992, 275, 331-342.	3.3	488
9	Chemical determination of free radical-induced damage to DNA. <i>Free Radical Biology and Medicine</i> , 1991, 10, 225-242.	1.3	477
10	Identification and characterization of a human DNA glycosylase for repair of modified bases in oxidatively damaged DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3523-3528.	3.3	459
11	Copper Oxide Nanoparticle Mediated DNA Damage in Terrestrial Plant Models. <i>Environmental Science & Technology</i> , 2012, 46, 1819-1827.	4.6	424
12	Substrate specificity of the Escherichia coli endonuclease III: Excision of thymine- and cytosine-derived lesions in DNA produced by radiation-generated free radicals. <i>Biochemistry</i> , 1993, 32, 12105-12111.	1.2	288
13	Modification of DNA bases in mammalian chromatin by radiation-generated free radicals. <i>Biochemistry</i> , 1990, 29, 7876-7882.	1.2	272
14	DNA base modifications in chromatin of human cancerous tissues. <i>FEBS Letters</i> , 1992, 309, 193-198.	1.3	245
15	Damage, Repair, and Mutagenesis in Nuclear Genes after Mouse Forebrain Ischemia "Reperfusion. <i>Journal of Neuroscience</i> , 1996, 16, 6795-6806.	1.7	234
16	Formation of 8-hydroxyguanine moiety in deoxyribonucleic acid on .gamma.-irradiation in aqueous solution. <i>Biochemistry</i> , 1985, 24, 4476-4481.	1.2	229
17	New functions of XPC in the protection of human skin cells from oxidative damage. <i>EMBO Journal</i> , 2006, 25, 4305-4315.	3.5	227
18	Oxidatively induced DNA damage: Mechanisms, repair and disease. <i>Cancer Letters</i> , 2012, 327, 26-47.	3.2	223

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19	Commentary the Measurement of Oxidative Damage to DNA by HPLC and GC/MS Techniques. Free Radical Research Communications, 1992, 16, 75-87.	1.8	213
20	Oxidative DNA base damage and antioxidant enzyme activities in human lung cancer. FEBS Letters, 1994, 341, 59-64.	1.3	206
21	Regulation of reactive oxygen species, DNA damage and c-Myc function by peroxiredoxin 1. Oncogene, 2005, 24, 8038-8050.	2.6	205
22	[1] Chemical determination of oxidative DNA damage by gas chromatography-mass spectrometry. Methods in Enzymology, 1994, 234, 3-16.	0.4	194
23	Î²-d-glucosyl-hydroxymethyluracil: A novel modified base present in the DNA of the parasitic protozoan T. brucei. Cell, 1993, 75, 1129-1136.	13.5	191
24	Oxidatively induced DNA damage and its repair in cancer. Mutation Research - Reviews in Mutation Research, 2015, 763, 212-245.	2.4	191
25	DNA base modifications in renal chromatin of wistar rats treated with a renal carcinogen, ferric nitrilotriacetate. International Journal of Cancer, 1994, 57, 123-128.	2.3	174
26	Repair of Formamidopyrimidines in DNA Involves Different Glycosylases. Journal of Biological Chemistry, 2005, 280, 40544-40551.	1.6	174
27	The mouse ortholog of NEIL3 is a functional DNA glycosylase in vitro and in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4925-4930.	3.3	169
28	Strand breaks and sugar release by .gamma.-irradiation of DNA in aqueous solution. Journal of the American Chemical Society, 1975, 97, 2277-2278.	6.6	164
29	Characterization of free radical-induced base damage in DNA at biologically relevant levels. Analytical Biochemistry, 1986, 156, 182-188.	1.1	163
30	Base-excision repair of oxidative DNA damage by DNA glycosylases. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 591, 45-59.	0.4	159
31	Application of capillary gas chromatography-mass spectrometry to chemical characterization of radiation-induced base damage of DNA: Implications for assessing DNA repair processes. Analytical Biochemistry, 1985, 144, 593-603.	1.1	156
32	Primary fibroblasts of Cockayne syndrome patients are defective in cellular repair of 8-hydroxyguanine and 8-hydroxyadenine resulting from oxidative stress. FASEB Journal, 2003, 17, 668-674.	0.2	140
33	The Cockayne Syndrome Group B Gene Product Is Involved in General Genome Base Excision Repair of 8-Hydroxyguanine in DNA. Journal of Biological Chemistry, 2001, 276, 45772-45779.	1.6	138
34	Polyamines stimulate the formation of mutagenic 1,N2-propanodeoxyguanosine adducts from acetaldehyde. Nucleic Acids Research, 2005, 33, 3513-3520.	6.5	128
35	Chemical nature of in vivo DNA base damage in hydrogen peroxide-treated mammalian cells. Archives of Biochemistry and Biophysics, 1991, 285, 388-390.	1.4	123
36	Hydrogen Peroxide-Induced Base Damage in Deoxyribonucleic Acid. Radiation Research, 1990, 121, 338.	0.7	119

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37	Monomeric Base Damage Products from Guanine, Adenine, and Thymine Induced by Exposure of DNA to Ultraviolet Radiation. <i>Biochemistry</i> , 1995, 34, 737-742.	1.2	119
38	Ni(II) Specifically Cleaves the C-Terminal Tail of the Major Variant of Histone H2A and Forms an Oxidative Damage-Mediating Complex with the Cleaved-Off Octapeptide. <i>Chemical Research in Toxicology</i> , 2000, 13, 616-624.	1.7	119
39	Hydroxyl radical is a significant player in oxidative DNA damage <i>in vivo</i> . <i>Chemical Society Reviews</i> , 2021, 50, 8355-8360.	18.7	114
40	<i>Saccharomyces cerevisiae</i> Ntg1p and Ntg2p: A Broad Specificity N-Glycosylases for the Repair of Oxidative DNA Damage in the Nucleus and Mitochondria. <i>Biochemistry</i> , 1999, 38, 11298-11306.	1.2	110
41	Measurement of 8-hydroxy-2'-deoxyguanosine in DNA by high-performance liquid chromatography-mass spectrometry: comparison with measurement by gas chromatography-mass spectrometry. <i>Nucleic Acids Research</i> , 2001, 29, 12e-12.	6.5	109
42	8,5- ϵ -Cyclopurine-2- ϵ -deoxynucleosides in DNA: Mechanisms of formation, measurement, repair and biological effects. <i>DNA Repair</i> , 2008, 7, 1413-1425.	1.3	104
43	Chemical nature of DNA-protein cross-links produced in mammalian chromatin by hydrogen peroxide in the presence of iron or copper ions. <i>Biochemistry</i> , 1991, 30, 4873-4879.	1.2	103
44	The use of capillary gas chromatography-mass spectrometry for identification of radiation-induced DNA base damage and DNA base- ϵ -amino acid cross-links. <i>Journal of Chromatography A</i> , 1984, 295, 103-121.	1.8	102
45	Formamidopyrimidines in DNA: Mechanisms of formation, repair, and biological effects. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1610-1621.	1.3	102
46	Targeted deletion of the genes encoding NTH1 and NEIL1 DNA N-glycosylases reveals the existence of novel carcinogenic oxidative damage to DNA. <i>DNA Repair</i> , 2009, 8, 786-794.	1.3	101
47	Structure of a hydroxyl radical-induced DNA-protein crosslink involving thymine and tyrosine in nucleohistone. <i>Biochemistry</i> , 1989, 28, 3625-3628.	1.2	100
48	Oxidative DNA base damage and antioxidant enzyme levels in childhood acute lymphoblastic leukemia. <i>FEBS Letters</i> , 1997, 416, 286-290.	1.3	97
49	Excision of Products of Oxidative DNA Base Damage by Human NTH1 Protein. <i>Biochemistry</i> , 1999, 38, 243-246.	1.2	97
50	DNA Base Damage in Chromatin of β -Irradiated Cultured Human Cells. <i>Free Radical Research Communications</i> , 1992, 16, 259-273.	1.8	96
51	Novel Substrates of <i>Escherichia coli</i> Nth Protein and Its Kinetics for Excision of Modified Bases from DNA Damaged by Free Radicals. <i>Biochemistry</i> , 2000, 39, 5586-5592.	1.2	95
52	Cockayne Syndrome Group B Protein Stimulates Repair of Formamidopyrimidines by NEIL1 DNA Glycosylase. <i>Journal of Biological Chemistry</i> , 2009, 284, 9270-9279.	1.6	92
53	Effect of DNA Conformation on the Hydroxyl Radical-induced Formation of 8,5- ϵ -cyclopurine 2- ϵ -deoxyribonucleoside Residues in DNA. <i>International Journal of Radiation Biology</i> , 1988, 54, 195-204.	1.0	91
54	Hydroxyl radical induced cross-linking of cytosine and tyrosine in nucleohistone. <i>Biochemistry</i> , 1990, 29, 977-980.	1.2	89

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55	Nickel(II)-mediated oxidative DNA base damage in renal and hepatic chromatin of pregnant rats and their fetuses. Possible relevance to carcinogenesis. <i>Chemical Research in Toxicology</i> , 1992, 5, 809-815.	1.7	89
56	Mouse NEIL1 Protein Is Specific for Excision of 2,6-Diamino-4-hydroxy-5-formamidopyrimidine and 4,6-Diamino-5-formamidopyrimidine from Oxidatively Damaged DNA. <i>Biochemistry</i> , 2004, 43, 15909-15914.	1.2	89
57	The Cockayne Syndrome Group B Gene Product Is Involved in Cellular Repair of 8-Hydroxyadenine in DNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 30832-30837.	1.6	88
58	Mass Spectrometric Assays for the Tandem Lesion 8,5- ϵ -Cyclo-2 ϵ -deoxyguanosine in Mammalian DNA. <i>Biochemistry</i> , 2002, 41, 3703-3711.	1.2	88
59	Characterization of a Novel 8-Oxoguanine-DNA Glycosylase Activity in <i>Escherichia coli</i> and Identification of the Enzyme as Endonuclease VIII. <i>Journal of Biological Chemistry</i> , 2000, 275, 27762-27767.	1.6	87
60	Treatment of wistar rats with a renal carcinogen, ferric nitrilotriacetate, causes dna-protein cross-linking between thymine and tyrosine in their renal chromatin. <i>International Journal of Cancer</i> , 1995, 62, 309-313.	2.3	85
61	DNA Base Damage by the Antitumor Agent 3-Amino-1,2,4-benzotriazine 1,4-Dioxide (Tirapazamine). <i>Journal of the American Chemical Society</i> , 2003, 125, 11607-11615.	6.6	85
62	Facts about the artifacts in the measurement of oxidative DNA base damage by gas chromatography-mass spectrometry. <i>Free Radical Research</i> , 1998, 29, 551-563.	1.5	83
63	Cellular repair of oxidatively induced DNA base lesions is defective in prostate cancer cell lines, PC-3 and DU-145. <i>Carcinogenesis</i> , 2004, 25, 1359-1370.	1.3	82
64	Formation of DNA-protein cross-links in cultured mammalian cells upon treatment with iron ions. <i>Free Radical Biology and Medicine</i> , 1995, 19, 897-902.	1.3	81
65	Identification and quantification of 8,5- ϵ -cyclo-2 ϵ -deoxy-adenosine in DNA by liquid chromatography/mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2001, 30, 774-784.	1.3	79
66	Characterization and Mechanism of Action of <i>Drosophila</i> Ribosomal Protein S3 DNA Glycosylase Activity for the Removal of Oxidatively Damaged DNA Bases. <i>Journal of Biological Chemistry</i> , 1997, 272, 32857-32860.	1.6	77
67	Oxidized guanine lesions and hOgg1 activity in lung cancer. <i>Oncogene</i> , 2005, 24, 4496-4508.	2.6	76
68	Substrate specificities and excision kinetics of DNA glycosylases involved in base-excision repair of oxidative DNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 531, 109-126.	0.4	72
69	Small Molecule Inhibitors of 8-Oxoguanine DNA Glycosylase-1 (OGG1). <i>ACS Chemical Biology</i> , 2015, 10, 2334-2343.	1.6	72
70	Repair of oxidatively induced DNA damage by DNA glycosylases: Mechanisms of action, substrate specificities and excision kinetics. <i>Mutation Research - Reviews in Mutation Research</i> , 2017, 771, 99-127.	2.4	72
71	Enhancement by L-histidine of nickel(II)-induced DNA-protein cross-linking and oxidative DNA base damage in the rat kidney. <i>Chemical Research in Toxicology</i> , 1993, 6, 33-37.	1.7	71
72	Human Polymorphic Variants of the NEIL1 DNA Glycosylase. <i>Journal of Biological Chemistry</i> , 2007, 282, 15790-15798.	1.6	70

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73	Accumulation of (5 ³ S)-8,5 ³ -cyclo-2 ³ -deoxyadenosine in organs of Cockayne syndrome complementation group B gene knockout mice. <i>DNA Repair</i> , 2009, 8, 274-278.	1.3	66
74	Measurement of oxidatively induced DNA damage and its repair, by mass spectrometric techniques. <i>Free Radical Research</i> , 2015, 49, 525-548.	1.5	66
75	tert.-Butyl hydroperoxide-mediated DNA base damage in cultured mammalian cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 306, 35-44.	0.4	65
76	Complete release of (5 ³ S)-8,5 ³ -cyclo-2 ³ -deoxyadenosine from dinucleotides, oligodeoxynucleotides and DNA, and direct comparison of its levels in cellular DNA with other oxidatively induced DNA lesions. <i>Nucleic Acids Research</i> , 2004, 32, e87-e87.	6.5	65
77	DNA base modifications and antioxidant enzyme activities in human benign prostatic hyperplasia. <i>Free Radical Biology and Medicine</i> , 1995, 18, 807-813.	1.3	64
78	DNA base modifications and membrane damage in cultured mammalian cells treated with iron ions. <i>Free Radical Biology and Medicine</i> , 1995, 18, 1013-1022.	1.3	64
79	Structure of a hydroxyl radical induced cross-link of thymine and tyrosine. <i>Biochemistry</i> , 1988, 27, 6353-6359.	1.2	59
80	A Major Role for Nonenzymatic Antioxidant Processes in the Radioresistance of <i>Halobacterium salinarum</i> . <i>Journal of Bacteriology</i> , 2011, 193, 1653-1662.	1.0	59
81	[55] Selected-ion mass spectrometry: Assays of oxidative DNA damage. <i>Methods in Enzymology</i> , 1990, 186, 530-544.	0.4	57
82	Structure of Hydroxyl Radical-induced DNA-protein Crosslinks in Calf Thymus Nucleohistone<i>in Vitro</i>. <i>International Journal of Radiation Biology</i> , 1988, 54, 445-459.	1.0	56
83	DNA-protein cross-linking between thymine and tyrosine in chromatin of ¹³ Irradiated or H2O2-treated cultured human cells. <i>Archives of Biochemistry and Biophysics</i> , 1992, 297, 139-143.	1.4	53
84	The effect of experimental conditions on the levels of oxidatively modified bases in DNA as measured by gas chromatography-mass spectrometry:. <i>Free Radical Biology and Medicine</i> , 1999, 27, 370-380.	1.3	53
85	Measurement of oxidatively induced base lesions in liver from Wistar rats of different ages. <i>Free Radical Biology and Medicine</i> , 1999, 27, 456-462.	1.3	52
86	Lymphoblasts of Women with BRCA1 Mutations Are Deficient in Cellular Repair of 8,5 ³ -Cyclopurine-2 ³ -deoxynucleosides and 8-Hydroxy-2 ³ -deoxyguanosine. <i>Biochemistry</i> , 2007, 46, 2488-2496.	1.2	52
87	Accumulation of Oxidatively Induced DNA Damage in Human Breast Cancer Cell Lines Following Treatment with Hydrogen Peroxide. <i>Cell Cycle</i> , 2007, 6, 1471-1477.	1.3	50
88	Measurement of formamidopyrimidines in DNA. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1601-1609.	1.3	50
89	Evidence for the Involvement of DNA Repair Enzyme NEIL1 in Nucleotide Excision Repair of (5 ³ R<i>/i>)- and (5 ³ S<i>/i>)-8,5 ³ -Cyclo-2 ³ -deoxyadenosines. <i>Biochemistry</i> , 2010, 49, 1053-1055.	1.2	50
90	Radiation Chemistry of Carbohydrates, VI: ¹³ Radiolysis of Glucose in Deoxygenated N2O Saturated Aqueous Solution. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1975, 30, 416-425.	0.3	49

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91	Oxidative DNA Base Damage in Renal, Hepatic, and Pulmonary Chromatin of Rats after Intraperitoneal Injection of Cobalt(II) Acetate. <i>Chemical Research in Toxicology</i> , 1994, 7, 329-335.	1.7	49
92	Bisphenol A Promotes Cell Survival Following Oxidative DNA Damage in Mouse Fibroblasts. <i>PLoS ONE</i> , 2015, 10, e0118819.	1.1	49
93	Characterization of free radical-induced damage to DNA by the combined use of enzymatic hydrolysis and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1986, 367, 357-366.	1.8	46
94	DNA base modifications induced in isolated human chromatin by NADH dehydrogenase-catalyzed reduction of doxorubicin. <i>Biochemistry</i> , 1992, 31, 3500-3506.	1.2	46
95	Substrate Specificity of <i>Schizosaccharomyces pombe</i> Nth Protein for Products of Oxidative DNA Damage. <i>Biochemistry</i> , 1998, 37, 590-595.	1.2	46
96	Repair of oxidative DNA base lesions induced by fluorescent light is defective in xeroderma pigmentosum group A cells. <i>Nucleic Acids Research</i> , 1999, 27, 3153-3158.	6.5	46
97	Substrate Specificity and Excision Kinetics of <i>Escherichia coli</i> Endonuclease VIII (Ner) for Modified Bases in DNA Damaged by Free Radicals. <i>Biochemistry</i> , 2001, 40, 12150-12156.	1.2	46
98	Structural and biochemical studies of a plant formamidopyrimidine-DNA glycosylase reveal why eukaryotic Fpg glycosylases do not excise 8-oxoguanine. <i>DNA Repair</i> , 2012, 11, 714-725.	1.3	46
99	$\hat{3}$ -Radiolyses of DNA in Oxygenated Aqueous Solution. Structure of an Alkali-Labile Site. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1977, 32, 1021-1022.	0.6	45
100	Oxidative DNA damage in polymorphonuclear leukocytes of patients with familial Mediterranean fever. <i>Free Radical Biology and Medicine</i> , 2008, 44, 386-393.	1.3	45
101	Radiation Chemistry of DNA, II. Strand Breaks and Sugar Release by $\hat{3}$ -Irradiation of DNA in Aqueous Solution. The Effect of Oxygen. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1975, 30, 826-828.	0.6	44
102	Isolation of 2-deoxy-erythro-pentonic Acid from an Alkali-labile Site in $\hat{3}$ -irradiated DNA. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1977, 32, 481-483.	1.0	44
103	Determination of Active Site Residues in <i>Escherichia coli</i> Endonuclease VIII. <i>Journal of Biological Chemistry</i> , 2002, 277, 2938-2944.	1.6	43
104	The oxidative DNA glycosylases of <i>Mycobacterium tuberculosis</i> exhibit different substrate preferences from their <i>Escherichia coli</i> counterparts. <i>DNA Repair</i> , 2010, 9, 177-190.	1.3	43
105	Radiation-induced DNA Strand Breaks in Deoxygenated Aqueous Solutions. The Formation of Altered Sugars as End Groups. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1979, 36, 565-576.	1.0	41
106	A novel activity of <i>E. coli</i> uracil DNA-glycosylase excision of isodialuric acid (5,6-dihydroxyuracil), a major product of oxidative DNA damage, from DNA. <i>FEBS Letters</i> , 1995, 364, 255-258.	1.3	41
107	Substrate specificity and excision kinetics of natural polymorphic variants and phosphomimetic mutants of human 8-oxoguanine DNA glycosylase. <i>FEBS Journal</i> , 2009, 276, 5149-5162.	2.2	41
108	Molecular Analysis of Base Damage Clustering Associated with a Site-Specific Radiation-Induced DNA Double-Strand Break. <i>Radiation Research</i> , 2006, 166, 767-781.	0.7	40

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109	The mass spectra of TMS-ethers of deuterated polyalcohols. A contribution to the structural investigation of sugars. <i>Organic Mass Spectrometry</i> , 1974, 8, 335-345.	1.3	39
110	[46] Gas chromatography-mass spectrometry of free radical-induced products of pyrimidines and purines in DNA. <i>Methods in Enzymology</i> , 1990, 193, 842-857.	0.4	39
111	<i>Arabidopsis thaliana</i> Ogg1 Protein Excises 8-Hydroxyguanine and 2,6-Diamino-4-hydroxy-5-formamidopyrimidine from Oxidatively Damaged DNA Containing Multiple Lesions. <i>Biochemistry</i> , 2003, 42, 3089-3095.	1.2	38
112	Measurement of (5 ^R)- and (5 ^S)-8-cyclo-2-deoxyadenosines in DNA in vivo by liquid chromatography/isotope-dilution tandem mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 656-660.	1.0	38
113	Radiation Chemistry of Carbohydrates, VIII. ¹³ -Radiolysis of Cellobiose in N ₂ O-saturated Aqueous Solution. Part II. Quantitative Measurements. Mechanisms of the Radical-induced Scission of the Glycosidic Linkage. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1976, 31, 857-864.	0.3	37
114	Formation of radiation-induced crosslinks between thymine and tyrosine: possible model for crosslinking of DNA and proteins by ionizing radiation. <i>Biochemistry</i> , 1985, 24, 233-236.	1.2	37
115	Measurement of 8-hydroxy-2-deoxyadenosine in DNA by liquid chromatography/mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2001, 31, 336-344.	1.3	37
116	DNA Damage Products (5 ^R)- and (5 ^S)-8-Cyclo-2-deoxyadenosines as Potential Biomarkers in Human Urine for Atherosclerosis. <i>Biochemistry</i> , 2012, 51, 1822-1824.	1.2	37
117	Base modifications in plasmid DNA caused by potassium permanganate. <i>Archives of Biochemistry and Biophysics</i> , 1990, 282, 202-205.	1.4	36
118	A novel DNA N-glycosylase activity of <i>E. coli</i> T4 endonuclease V that excises 4,6-diamino-5-formamidopyrimidine from DNA, a UV-radiation- and hydroxyl radical-induced product of adenine. <i>Mutation Research DNA Repair</i> , 1996, 362, 1-8.	3.8	36
119	The reactions of OH radicals with D-ribose in deoxygenated and oxygenated aqueous solution. <i>Carbohydrate Research</i> , 1977, 58, 21-30.	1.1	35
120	Separation of small DNA and RNA oligonucleotides by high-performance anion-exchange liquid chromatography. <i>Journal of Chromatography A</i> , 1979, 171, 321-330.	1.8	35
121	Intramolecular H Atom Abstraction from the Sugar Moiety by Thymine Radicals in Oligo- and Polydeoxynucleotides. <i>Radiation Research</i> , 1988, 116, 210.	0.7	35
122	Inhibition of DNA Glycosylases via Small Molecule Purine Analogs. <i>PLoS ONE</i> , 2013, 8, e81667.	1.1	35
123	Radiation Chemistry of DNA Model Compounds, IX. Carbohydrate Products in the ¹³ -Radiolysis of Thymidine in Aqueous Solution. The Radical-Induced Scission of the N-Glycosidic Bond. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1976, 31, 227-233.	0.3	34
124	Radiation-Induced Crosslinking of Cytosine. <i>Radiation Research</i> , 1984, 100, 41.	0.7	34
125	Plant and fungal Fpg homologs are formamidopyrimidine DNA glycosylases but not 8-oxoguanine DNA glycosylases. <i>DNA Repair</i> , 2009, 8, 643-653.	1.3	33
126	Elevated urinary levels of 8-oxo-2-deoxyguanosine, (5 ^R)- and (5 ^S)-8-cyclo-2-deoxyadenosines, and 8-iso-prostaglandin F ₂ ± as potential biomarkers of oxidative stress in patients with prediabetes. <i>DNA Repair</i> , 2016, 48, 1-7.	1.3	33

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127	Mutation of potassium permanganate- and hydrogen peroxide-treated plasmid pZ189 replicating in CV-1 monkey kidney cells. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1991, 261, 123-130.	1.2	32
128	Oxidative Changes in the DNA of Stroma and Epithelium from the Female Breast: Potential Implications for Breast Cancer. Cell Cycle, 2006, 5, 1629-1632.	1.3	32
129	Biomarkers Signal Contaminant Effects on the Organs of English Sole (<i>Parophrys vetulus</i>) from Puget Sound. Environmental Health Perspectives, 2006, 114, 823-829.	2.8	32
130	Protective Roles of Single-Wall Carbon Nanotubes in Ultrasonication-Induced DNA Base Damage. Small, 2013, 9, 205-208.	5.2	32
131	Strahlenchemie von Kohlenhydraten, IV. \hat{I}^3 -Radiolyse von Cellobiose in N ₂ O-gesättigter wässriger Lösung / \hat{I}^3 -Radiolysis of Cellobiose in N ₂ O Saturated Aqueous Solution. Zeitschrift Für Naturforschung - Section B Journal of Chemical Sciences, 1973, 28, 635-646.	0.3	31
132	Radiolytic Studies of the Cumyloxy Radical in Aqueous Solutions. Israel Journal of Chemistry, 1984, 24, 25-28.	1.0	31
133	DNA base damage in lymphocytes of cancer patients undergoing radiation therapy. Cancer Letters, 1996, 106, 207-215.	3.2	31
134	Weak anion-exchange high-performance liquid chromatography of peptides. Journal of Chromatography A, 1985, 334, 49-69.	1.8	30
135	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.	1.7	30
136	Structural Alterations in Breast Stromal and Epithelial DNA: The Influence of 8,5-cyclo-2-Deoxyadenosine. Cell Cycle, 2006, 5, 1240-1244.	1.3	29
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