

Miral Dizdaroglu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

194
papers

18,739
citations

67
h-index

134
g-index

199
ext. papers

19,827
ext. citations

5.5
avg, IF

6.76
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 194 | Ne-22 Ion-Beam Radiation Damage to DNA: From Initial Free Radical Formation to Resulting DNA-Base Damage. <i>ACS Omega</i> , 2021 , 6, 16600-16611 | 3.9 | 2 |
| 193 | Inhibition by Tetrahydroquinoline Sulfonamide Derivatives of the Activity of Human 8-Oxoguanine DNA Glycosylase (OGG1) for Several Products of Oxidatively induced DNA Base Lesions. <i>ACS Chemical Biology</i> , 2021 , 16, 45-51 | 4.9 | 0 |
| 192 | Hydroxyl radical is a significant player in oxidative DNA damage in vivo. <i>Chemical Society Reviews</i> , 2021 , 50, 8355-8360 | 58.5 | 22 |
| 191 | DNA glycosylase deficiency leads to decreased severity of lupus in the Polb-Y265C mouse model. <i>DNA Repair</i> , 2021 , 105, 103152 | 4.3 | 0 |
| 190 | Implications of DNA damage and DNA repair on human diseases. <i>Mutagenesis</i> , 2020 , 35, 1-3 | 2.8 | 12 |
| 189 | Expression of a germline variant in the N-terminal domain of the human DNA glycosylase NTHL1 induces cellular transformation without impairing enzymatic function or substrate specificity. <i>Oncotarget</i> , 2020 , 11, 2262-2272 | 3.3 | 4 |
| 188 | Recognition of DNA adducts by edited and unedited forms of DNA glycosylase NEIL1. <i>DNA Repair</i> , 2020 , 85, 102741 | 4.3 | 7 |
| 187 | Heavy ion space radiation triggers ongoing DNA base damage by downregulating DNA repair pathways. <i>Life Sciences in Space Research</i> , 2020 , 27, 27-32 | 2.4 | 6 |
| 186 | Measurement of Oxidatively Induced DNA Damage in with High-Salt DNA Extraction and Isotope-Dilution Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 12149-12155 | 7.8 | 4 |
| 185 | Characterization of rare NEIL1 variants found in East Asian populations. <i>DNA Repair</i> , 2019 , 79, 32-39 | 4.3 | 4 |
| 184 | Identification and quantification of DNA repair protein poly(ADP ribose) polymerase 1 (PARP1) in human tissues and cultured cells by liquid chromatography/isotope-dilution tandem mass spectrometry. <i>DNA Repair</i> , 2019 , 75, 48-59 | 4.3 | 3 |
| 183 | Aflatoxin-Guanine DNA Adducts and Oxidatively Induced DNA Damage in Aflatoxin-Treated Mice in Vivo as Measured by Liquid Chromatography-Tandem Mass Spectrometry with Isotope Dilution. <i>Chemical Research in Toxicology</i> , 2019 , 32, 80-89 | 4 | 14 |
| 182 | Oxidatively-induced DNA damage and base excision repair in euthymic patients with bipolar disorder. <i>DNA Repair</i> , 2018 , 65, 64-72 | 4.3 | 17 |
| 181 | Excision release of 5-hydroxycytosine oxidatively induced DNA base lesions from the lung genome by cat dander extract challenge stimulates allergic airway inflammation. <i>Clinical and Experimental Allergy</i> , 2018 , 48, 1676-1687 | 4.1 | 3 |
| 180 | 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 | 7 | 46 |
| 179 | Biomarkers of oxidatively induced DNA damage in dreissenid mussels: A genotoxicity assessment tool for the Laurentian Great Lakes. <i>Environmental Toxicology</i> , 2017 , 32, 2144-2153 | 4.2 | 18 |
| 178 | Enhanced sensitivity of Neil1 mice to chronic UVB exposure. <i>DNA Repair</i> , 2016 , 48, 43-50 | 4.3 | 6 |

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| 177 | Production, Purification, and Characterization of ^{32}P -Labeled DNA Repair Proteins as Internal Standards for Mass Spectrometric Measurements. <i>Methods in Enzymology</i> , 2016 , 566, 305-32 | 1.7 | 7 |
| 176 | Combined Effects of High-Dose Bisphenol A and Oxidizing Agent (KBrO ₃) on Cellular Microenvironment, Gene Expression, and Chromatin Structure of Ku70-deficient Mouse Embryonic Fibroblasts. <i>Environmental Health Perspectives</i> , 2016 , 124, 1241-52 | 8.4 | 18 |
| 175 | Elevated urinary levels of 8-oxo-2′-deoxyguanosine, (5′R)- and (5′S)-8,5′-cyclo-2′-deoxyadenosines, and 8-iso-prostaglandin F as potential biomarkers of oxidative stress in patients with prediabetes. <i>DNA Repair</i> , 2016 , 48, 1-7 | 4.3 | 24 |
| 174 | Oxidatively induced DNA damage and its repair in cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2015 , 763, 212-45 | 7 | 146 |
| 173 | Small Molecule Inhibitors of 8-Oxoguanine DNA Glycosylase-1 (OGG1). <i>ACS Chemical Biology</i> , 2015 , 10, 2334-43 | 4.9 | 45 |
| 172 | Addiction to MTH1 protein results in intense expression in human breast cancer tissue as measured by liquid chromatography-isotope-dilution tandem mass spectrometry. <i>DNA Repair</i> , 2015 , 33, 101-10 | 4.3 | 25 |
| 171 | Measurement of oxidatively induced DNA damage and its repair, by mass spectrometric techniques. <i>Free Radical Research</i> , 2015 , 49, 525-48 | 4 | 47 |
| 170 | Extreme Expression of DNA Repair Protein Apurinic/Apyrimidinic Endonuclease 1 (APE1) in Human Breast Cancer As Measured by Liquid Chromatography and Isotope Dilution Tandem Mass Spectrometry. <i>Biochemistry</i> , 2015 , 54, 5787-90 | 3.2 | 14 |
| 169 | Bisphenol a promotes cell survival following oxidative DNA damage in mouse fibroblasts. <i>PLoS ONE</i> , 2015 , 10, e0118819 | 3.7 | 31 |
| 168 | Clemens von Sonntag and the early history of radiation-induced sugar damage in DNA. <i>International Journal of Radiation Biology</i> , 2014 , 90, 446-58 | 2.9 | 7 |
| 167 | Significant disparity in base and sugar damage in DNA resulting from neutron and electron irradiation. <i>Journal of Radiation Research</i> , 2014 , 55, 1081-8 | 2.4 | 6 |
| 166 | Identification and quantification of human DNA repair protein NEIL1 by liquid chromatography/isotope-dilution tandem mass spectrometry. <i>Journal of Proteome Research</i> , 2013 , 12, 1049-61 | 5.6 | 22 |
| 165 | Protective roles of single-wall carbon nanotubes in ultrasonication-induced DNA base damage. <i>Small</i> , 2013 , 9, 205-8 | 11 | 30 |
| 164 | Identification and quantification of DNA repair protein apurinic/aprimidinic endonuclease 1 (APE1) in human cells by liquid chromatography/isotope-dilution tandem mass spectrometry. <i>PLoS ONE</i> , 2013 , 8, e69894 | 3.7 | 12 |
| 163 | Inhibition of DNA glycosylases via small molecule purine analogs. <i>PLoS ONE</i> , 2013 , 8, e81667 | 3.7 | 29 |
| 162 | Oxidatively induced DNA damage: mechanisms, repair and disease. <i>Cancer Letters</i> , 2012 , 327, 26-47 | 9.9 | 186 |
| 161 | Mechanisms of free radical-induced damage to DNA. <i>Free Radical Research</i> , 2012 , 46, 382-419 | 4 | 407 |
| 160 | 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, 714-25 | 4.3 | 35 |

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| 159 | RNA oxidation catalyzed by cytochrome c leads to its depurination and cross-linking, which may facilitate cytochrome c release from mitochondria. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 854-62 | 7.8 | 12 |
| 158 | Copper oxide nanoparticle mediated DNA damage in terrestrial plant models. <i>Environmental Science & Technology</i> , 2012 , 46, 1819-27 | 10.3 | 356 |
| 157 | DNA damage products (5R)- and (5S)-8,5Tcylo-2Tdeoxyadenosines as potential biomarkers in human urine for atherosclerosis. <i>Biochemistry</i> , 2012 , 51, 1822-4 | 3.2 | 32 |
| 156 | Stable isotope-labeling of DNA repair proteins, and their purification and characterization. <i>Protein Expression and Purification</i> , 2011 , 78, 94-101 | 2 | 15 |
| 155 | Evidence for upregulated repair of oxidatively induced DNA damage in human colorectal cancer. <i>DNA Repair</i> , 2011 , 10, 1114-20 | 4.3 | 20 |
| 154 | A major role for nonenzymatic antioxidant processes in the radioresistance of <i>Halobacterium salinarum</i> . <i>Journal of Bacteriology</i> , 2011 , 193, 1653-62 | 3.5 | 51 |
| 153 | Identification and quantification of DNA repair proteins by liquid chromatography/isotope-dilution tandem mass spectrometry using their fully 15N-labeled analogues as internal standards. <i>Journal of Proteome Research</i> , 2011 , 10, 3802-13 | 5.6 | 18 |
| 152 | The mouse ortholog of NEIL3 is a functional DNA glycosylase in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4925-30 | 11.5 | 144 |
| 151 | Evidence for the involvement of DNA repair enzyme NEIL1 in nucleotide excision repair of (5R)- and (5S)-8,5Tcylo-2Tdeoxyadenosines. <i>Biochemistry</i> , 2010 , 49, 1053-5 | 3.2 | 48 |
| 150 | Identification and quantification of (5R)- and (5S)-8,5Tcylo-2Tdeoxyadenosines in human urine as putative biomarkers of oxidatively induced damage to DNA. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 397, 48-52 | 3.4 | 24 |
| 149 | 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, 177-90 | 4.3 | 35 |
| 148 | Cockayne syndrome group B protein stimulates repair of formamidopyrimidines by NEIL1 DNA glycosylase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9270-9 | 5.4 | 83 |
| 147 | Accumulation of (5S)-8,5Tcylo-2Tdeoxyadenosine in organs of Cockayne syndrome complementation group B gene knockout mice. <i>DNA Repair</i> , 2009 , 8, 274-8 | 4.3 | 61 |
| 146 | Plant and fungal Fpg homologs are formamidopyrimidine DNA glycosylases but not 8-oxoguanine DNA glycosylases. <i>DNA Repair</i> , 2009 , 8, 643-53 | 4.3 | 28 |
| 145 | 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, 786-94 | 4.3 | 89 |
| 144 | Substrate specificity and excision kinetics of natural polymorphic variants and phosphomimetic mutants of human 8-oxoguanine-DNA glycosylase. <i>FEBS Journal</i> , 2009 , 276, 5149-62 | 5.7 | 37 |
| 143 | Glutathione depletion by buthionine sulfoximine induces oxidative damage to DNA in organs of rabbits in vivo. <i>Biochemistry</i> , 2009 , 48, 4980-7 | 3.2 | 23 |
| 142 | Measurement of (5R)- and (5S)-8,5Tcylo-2Tdeoxyadenosines in DNA in vivo by liquid chromatography/isotope-dilution tandem mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 386, 656-60 | 3.4 | 35 |

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| 141 | Oxidative DNA damage in polymorphonuclear leukocytes of patients with familial Mediterranean fever. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 386-93 | 7.8 | 40 |
| 140 | Formamidopyrimidines in DNA: mechanisms of formation, repair, and biological effects. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1610-21 | 7.8 | 89 |
| 139 | Measurement of formamidopyrimidines in DNA. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1601-9 | 7.8 | 44 |
| 138 | 8,5TCyclopurine-2Tdeoxynucleosides in DNA: mechanisms of formation, measurement, repair and biological effects. <i>DNA Repair</i> , 2008 , 7, 1413-25 | 4.3 | 101 |
| 137 | Lymphoblasts of women with BRCA1 mutations are deficient in cellular repair of 8,5TCyclopurine-2Tdeoxynucleosides and 8-hydroxy-2Tdeoxyguanosine. <i>Biochemistry</i> , 2007 , 46, 2488-96 ^{3.2} | | 50 |
| 136 | The oxidatively induced DNA lesions 8,5Tcyclo-2Tdeoxyadenosine and 8-hydroxy-2Tdeoxyadenosine are strongly resistant to acid-induced hydrolysis of the glycosidic bond. <i>Mechanisms of Ageing and Development</i> , 2007 , 128, 494-502 | 5.6 | 24 |
| 135 | Chlorella Virus Pyrimidine Dimer Glycosylase Excises Ultraviolet Radiation-Induced Hydroxyl Radical-Induced Products 4,6-Diamino-5-formamidopyrimidine and 2,6-Diamino-4-hydroxy-5-formamidopyrimidine from DNA. <i>Photochemistry and Photobiology</i> , 2007 , 75, 85-91 | 3.6 | |
| 134 | Human polymorphic variants of the NEIL1 DNA glycosylase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15790-8 | 5.4 | 58 |
| 133 | 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 | 4.7 | 45 |
| 132 | Accumulation of oxidatively induced DNA damage in human breast cancer cell lines following treatment with hydrogen peroxide. <i>Cell Cycle</i> , 2007 , 6, 1472-8 | 4.7 | 20 |
| 131 | Reduced repair of 8-hydroxyguanine in the human breast cancer cell line, HCC1937. <i>BMC Cancer</i> , 2006 , 6, 297 | 4.8 | 24 |
| 130 | Oxidative changes in the DNA of stroma and epithelium from the female breast: potential implications for breast cancer. <i>Cell Cycle</i> , 2006 , 5, 1629-32 | 4.7 | 29 |
| 129 | Structural alterations in breast stromal and epithelial DNA: the influence of 8,5Tcyclo-2Tdeoxyadenosine. <i>Cell Cycle</i> , 2006 , 5, 1240-4 | 4.7 | 29 |
| 128 | Linking uracil base excision repair and 5-fluorouracil toxicity in yeast. <i>Nucleic Acids Research</i> , 2006 , 34, 140-51 | 20.1 | 1531 |
| 127 | Biomarkers signal contaminant effects on the organs of English sole (<i>Parophrys vetulus</i>) from Puget Sound. <i>Environmental Health Perspectives</i> , 2006 , 114, 823-9 | 8.4 | 32 |
| 126 | Molecular analysis of base damage clustering associated with a site-specific radiation-induced DNA double-strand break. <i>Radiation Research</i> , 2006 , 166, 767-81 | 3.1 | 33 |
| 125 | New functions of XPC in the protection of human skin cells from oxidative damage. <i>EMBO Journal</i> , 2006 , 25, 4305-15 | 13 | 204 |
| 124 | Polyamines stimulate the formation of mutagenic 1,N2-propanodeoxyguanosine adducts from acetaldehyde. <i>Nucleic Acids Research</i> , 2005 , 33, 3513-20 | 20.1 | 107 |

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|-----|--|------|------|
| 123 | Oxidized guanine lesions and hOgg1 activity in lung cancer. <i>Oncogene</i> , 2005 , 24, 4496-508 | 9.2 | 67 |
| 122 | Regulation of reactive oxygen species, DNA damage, and c-Myc function by peroxiredoxin 1. <i>Oncogene</i> , 2005 , 24, 8038-50 | 9.2 | 181 |
| 121 | Base-excision repair of oxidative DNA damage by DNA glycosylases. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005 , 591, 45-59 | 3.3 | 139 |
| 120 | Repair of formamidopyrimidines in DNA involves different glycosylases: role of the OGG1, NTH1, and NEIL1 enzymes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 40544-51 | 5.4 | 160 |
| 119 | Measurement of DNA biomarkers for the safety of tissue-engineered medical products, using artificial skin as a model. <i>Tissue Engineering</i> , 2004 , 10, 1332-45 | | 7 |
| 118 | Complete release of (5 β)-8,5 β cyclo-2 β 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 | 20.1 | 58 |
| 117 | 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, 1359-70 | 4.6 | 75 |
| 116 | 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, 15909-14 | 3.2 | 80 |
| 115 | Overexpression and rapid purification of Escherichia coli formamidopyrimidine-DNA glycosylase. <i>Protein Expression and Purification</i> , 2004 , 34, 126-33 | 2 | 19 |
| 114 | Oxidative DNA damage and disease: induction, repair and significance. <i>Mutation Research - Reviews in Mutation Research</i> , 2004 , 567, 1-61 | 7 | 930 |
| 113 | Primary fibroblasts of Cockayne syndrome patients are defective in cellular repair of 8-hydroxyguanine and 8-hydroxyadenine resulting from oxidative stress. <i>FASEB Journal</i> , 2003 , 17, 668-74 | 8.9 | 127 |
| 112 | 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, 109-26 | 3.3 | 64 |
| 111 | Stoichiometric preference in copper-promoted oxidative DNA damage by ochratoxin A. <i>Journal of Inorganic Biochemistry</i> , 2003 , 95, 87-96 | 4.2 | 8 |
| 110 | Oxidative DNA damage: mechanisms, mutation, and disease. <i>FASEB Journal</i> , 2003 , 17, 1195-214 | 0.9 | 2205 |
| 109 | Arabidopsis thaliana 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, 3089-95 | 3.2 | 35 |
| 108 | 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, 11607-15 | 16.4 | 80 |
| 107 | Introduction to serial reviews on oxidative DNA damage and repair. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 677 | 7.8 | 8 |
| 106 | Free radical-induced damage to DNA: mechanisms and measurement. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 1102-15 | 7.8 | 710 |

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|-----|--|------|-----|
| 105 | Determination of active site residues in Escherichia coli endonuclease VIII. <i>Journal of Biological Chemistry</i> , 2002 , 277, 2938-44 | 5.4 | 34 |
| 104 | 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, 30832-7 | 5.4 | 73 |
| 103 | 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, 3523-8 | 11.5 | 409 |
| 102 | Mass spectrometric assays for the tandem lesion 8,5Tcylo-2Tdeoxyguanosine in mammalian DNA. <i>Biochemistry</i> , 2002 , 41, 3703-11 | 3.2 | 83 |
| 101 | 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 DNA. <i>Photochemistry and Photobiology</i> , 2002 , 75, 85-91 | 3.6 | 19 |
| 100 | Identification and quantification of 8,5Tcylo-2Tdeoxy-adenosine in DNA by liquid chromatography/mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2001 , 30, 774-84 | 7.8 | 73 |
| 99 | Measurement of 8-hydroxy-2Tdeoxyadenosine in DNA by liquid chromatography/mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 336-44 | 7.8 | 31 |
| 98 | Effect of single mutations on the specificity of Escherichia coli FPG protein for excision of purine lesions from DNA damaged by free radicals. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 816-23 | 7.8 | 9 |
| 97 | The Cockayne Syndrome group B gene product is involved in general genome base excision repair of 8-hydroxyguanine in DNA. <i>Journal of Biological Chemistry</i> , 2001 , 276, 45772-9 | 5.4 | 117 |
| 96 | Measurement of 8-hydroxy-2Tdeoxyguanosine in DNA by high-performance liquid chromatography-mass spectrometry: comparison with measurement by gas chromatography-mass spectrometry. <i>Nucleic Acids Research</i> , 2001 , 29, E12 | 20.1 | 97 |
| 95 | Substrate specificity and excision kinetics of Escherichia coli endonuclease VIII (Nei) for modified bases in DNA damaged by free radicals. <i>Biochemistry</i> , 2001 , 40, 12150-6 | 3.2 | 43 |
| 94 | Characterization of a novel 8-oxoguanine-DNA glycosylase activity in Escherichia coli and identification of the enzyme as endonuclease VIII. <i>Journal of Biological Chemistry</i> , 2000 , 275, 27762-7 | 5.4 | 73 |
| 93 | Assignment of enzyme substrate specificity by principal component analysis of aligned protein sequences: an experimental test using DNA glycosylase homologs. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000 , 40, 98-105 | 4.2 | 11 |
| 92 | Induction of oxidative DNA damage in u937 cells by TNF or anti-Fas stimulation. <i>Cytokine</i> , 2000 , 12, 881-7 | 4 | 16 |
| 91 | 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, 616-24 | 4 | 106 |
| 90 | Novel substrates of Escherichia coli nth protein and its kinetics for excision of modified bases from DNA damaged by free radicals. <i>Biochemistry</i> , 2000 , 39, 5586-92 | 3.2 | 87 |
| 89 | 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, 3153-8 | 20.1 | 42 |
| 88 | The effect of experimental conditions on the levels of oxidatively modified bases in DNA as measured by gas chromatography-mass spectrometry: how many modified bases are involved? Prepurification or not?. <i>Free Radical Biology and Medicine</i> , 1999 , 27, 370-80 | 7.8 | 50 |

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|----|---|-----|-----|
| 87 | Measurement of oxidatively induced base lesions in liver from Wistar rats of different ages. <i>Free Radical Biology and Medicine</i> , 1999 , 27, 456-62 | 7.8 | 45 |
| 86 | Substrate specificity of <i>Deinococcus radiodurans</i> Fpg protein. <i>Biochemistry</i> , 1999 , 38, 9435-9 | 3.2 | 23 |
| 85 | Excision of products of oxidative DNA base damage by human NTH1 protein. <i>Biochemistry</i> , 1999 , 38, 243-6 | 3.2 | 90 |
| 84 | <i>Saccharomyces cerevisiae</i> Ntg1p and Ntg2p: broad specificity N-glycosylases for the repair of oxidative DNA damage in the nucleus and mitochondria. <i>Biochemistry</i> , 1999 , 38, 11298-306 | 3.2 | 98 |
| 83 | Substrate specificity of <i>Schizosaccharomyces pombe</i> Nth protein for products of oxidative DNA damage. <i>Biochemistry</i> , 1998 , 37, 590-5 | 3.2 | 44 |
| 82 | Facts about the artifacts in the measurement of oxidative DNA base damage by gas chromatography-mass spectrometry. <i>Free Radical Research</i> , 1998 , 29, 551-63 | 4 | 71 |
| 81 | 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, 32857-60 | 5.4 | 69 |
| 80 | Oxidative DNA base damage and antioxidant enzyme levels in childhood acute lymphoblastic leukemia. <i>FEBS Letters</i> , 1997 , 416, 286-90 | 3.8 | 80 |
| 79 | DNA base damage in lymphocytes of cancer patients undergoing radiation therapy. <i>Cancer Letters</i> , 1996 , 106, 207-15 | 9.9 | 27 |
| 78 | 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 | | 31 |
| 77 | Damage, repair, and mutagenesis in nuclear genes after mouse forebrain ischemia-reperfusion. <i>Journal of Neuroscience</i> , 1996 , 16, 6795-806 | 6.6 | 213 |
| 76 | DNA base modifications and antioxidant enzyme activities in human benign prostatic hyperplasia. <i>Free Radical Biology and Medicine</i> , 1995 , 18, 807-13 | 7.8 | 51 |
| 75 | DNA base modifications and membrane damage in cultured mammalian cells treated with iron ions. <i>Free Radical Biology and Medicine</i> , 1995 , 18, 1013-22 | 7.8 | 55 |
| 74 | 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 | 7.8 | 67 |
| 73 | Monomeric base damage products from adenine, guanine, and thymine induced by exposure of DNA to ultraviolet radiation. <i>Biochemistry</i> , 1995 , 34, 737-42 | 3.2 | 112 |
| 72 | A novel activity of <i>E. coli</i> uracil DNA N-glycosylase excision of isodialuric acid (5,6-dihydroxyuracil), a major product of oxidative DNA damage, from DNA. <i>FEBS Letters</i> , 1995 , 364, 255-8 | 3.8 | 36 |
| 71 | 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, 309-13 | 7.5 | 76 |
| 70 | DNA base modifications in renal chromatin of Wistar rats treated with a renal carcinogen, ferric nitrilotriacetate. <i>International Journal of Cancer</i> , 1994 , 57, 123-8 | 7.5 | 161 |

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|----|---|------|-----|
| 69 | 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 | 3.3 | 54 |
| 68 | Oxidative DNA base damage and antioxidant enzyme activities in human lung cancer. <i>FEBS Letters</i> , 1994 , 341, 59-64 | 3.8 | 172 |
| 67 | Chemical determination of oxidative DNA damage by gas chromatography-mass spectrometry. <i>Methods in Enzymology</i> , 1994 , 234, 3-16 | 1.7 | 162 |
| 66 | 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, 329-35 | 4 | 45 |
| 65 | 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, 33-7 | 4 | 67 |
| 64 | 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, 12105-11 | 3.2 | 266 |
| 63 | beta-D-glucosyl-hydroxymethyluracil: a novel modified base present in the DNA of the parasitic protozoan T. brucei. <i>Cell</i> , 1993 , 75, 1129-36 | 56.2 | 168 |
| 62 | Copper ion-mediated modification of bases in DNA in vitro by benzoyl peroxide. <i>Carcinogenesis</i> , 1993 , 14, 1971-4 | 4.6 | 24 |
| 61 | DNA base damage in chromatin of gamma-irradiated cultured human cells. <i>Free Radical Research Communications</i> , 1992 , 16, 259-73 | | 80 |
| 60 | Oxidative damage to DNA in mammalian chromatin. <i>Mutation Research - DNaging</i> , 1992 , 275, 331-42 | | 406 |
| 59 | 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, 809-15 ⁴ | | 82 |
| 58 | 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, 106-10 | 3.2 | 577 |
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