

Marc M Greenberg

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216
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46
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227
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L-index

#	Paper	IF	Citations
216	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
215	Rapid DNA-protein cross-linking and strand scission by an abasic site in a nucleosome core particle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 22475-80	11.5	136
214	Mechanistic studies on DNA damage by minor groove binding copper-phenanthroline conjugates. <i>Nucleic Acids Research</i> , 2005 , 33, 5371-9	20.1	124
213	Genetic effects of oxidative DNA damages: comparative mutagenesis of the imidazole ring-opened formamidopyrimidines (Fapy lesions) and 8-oxo-purines in simian kidney cells. <i>Nucleic Acids Research</i> , 2006 , 34, 2305-15	20.1	116
212	Biologically relevant oxidants and terminology, classification and nomenclature of oxidatively generated damage to nucleobases and 2-deoxyribose in nucleic acids. <i>Free Radical Research</i> , 2012 , 46, 367-81	4	97
211	Covalent trapping of human DNA polymerase beta by the oxidative DNA lesion 2-deoxyribonolactone. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7637-40	5.4	96
210	Efficient DNA interstrand cross-link formation from a nucleotide radical. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3692-3	16.4	94
209	Synthesis and characterization of oligodeoxynucleotides containing formamidopyrimidine lesions and nonhydrolyzable analogues. <i>Journal of the American Chemical Society</i> , 2002 , 124, 3263-9	16.4	94
208	Oxygen independent DNA interstrand cross-link formation by a nucleotide radical. <i>Journal of the American Chemical Society</i> , 2006 , 128, 485-91	16.4	90
207	DNA interstrand cross-link formation initiated by reaction between singlet oxygen and a modified nucleotide. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10510-1	16.4	85
206	Fapy.dG instructs Klenow exo(-) to misincorporate deoxyadenosine. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7278-9	16.4	85
205	A Novel Mechanism for the Formation of Direct Strand Breaks upon Anaerobic Photolysis of Duplex DNA Containing 5-Bromodeoxyuridine. <i>Journal of the American Chemical Society</i> , 1996 , 118, 10025-10030	16.4	84
204	A minor groove binding copper-phenanthroline conjugate produces direct strand breaks via beta-elimination of 2-deoxyribonolactone. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9062-3	16.4	81
203	The 2-deoxyribonolactone lesion produced in DNA by neocarzinostatin and other damaging agents forms cross-links with the base-excision repair enzyme endonuclease III. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3161-2	16.4	81
202	Investigation of the Origin of the Sequence Selectivity for the 5-Halo-2-Deoxyuridine Sensitization of DNA to Damage by UV-Irradiation. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3861-3866	16.4	78
201	5-Formylcytosine Yields DNA-Protein Cross-Links in Nucleosome Core Particles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10617-10620	16.4	75
200	Characterization and mechanism of formation of tandem lesions in DNA by a nucleobase peroxy radical. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4089-98	16.4	74

199	Self-promoted DNA interstrand cross-link formation by an abasic site. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9646-7	16.4	73
198	DNA Damage Induced via 5,6-Dihydrothymid-5-yl in Single-Stranded Oligonucleotides. <i>Journal of the American Chemical Society</i> , 1997 , 119, 1828-1839	16.4	70
197	Direct evidence for bimodal DNA damage induced by tirapazamine. <i>Chemical Research in Toxicology</i> , 1998 , 11, 1254-7	4	70
196	Elucidating DNA damage and repair processes by independently generating reactive and metastable intermediates. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 18-30	3.9	69
195	DNA damage induced via independent generation of the radical resulting from formal hydrogen atom abstraction from the C1'-position of a nucleotide. <i>Chemistry and Biology</i> , 1998 , 5, 263-271		67
194	Interstrand cross-link formation in duplex and triplex DNA by modified pyrimidines. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10299-306	16.4	67
193	Tandem lesions are the major products resulting from a pyrimidine nucleobase radical. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13376-8	16.4	63
192	Investigating nucleic acid damage processes via independent generation of reactive intermediates. <i>Chemical Research in Toxicology</i> , 1998 , 11, 1235-48	4	63
191	Abasic and oxidized abasic site reactivity in DNA: enzyme inhibition, cross-linking, and nucleosome catalyzed reactions. <i>Accounts of Chemical Research</i> , 2014 , 47, 646-55	24.3	62
190	The formamidopyrimidines: purine lesions formed in competition with 8-oxopurines from oxidative stress. <i>Accounts of Chemical Research</i> , 2012 , 45, 588-97	24.3	62
189	Cross-linking of 2-deoxyribonolactone and its beta-elimination product by base excision repair enzymes. <i>Biochemistry</i> , 2003 , 42, 2449-55	3.2	61
188	The ring fragmentation product of thymidine C5-hydrate when present in DNA is repaired by the <i>Escherichia coli</i> Fpg and Nth proteins. <i>Biochemistry</i> , 1998 , 37, 7757-63	3.2	61
187	Reaction of the hypoxia-selective antitumor agent tirapazamine with a C1'Sradical in single-stranded and double-stranded DNA: the drug and its metabolites can serve as surrogates for molecular oxygen in radical-mediated DNA damage reactions. <i>Biochemistry</i> , 1999 , 38, 14248-55	3.2	61
186	Synthesis of oligonucleotides containing Fapy.dG (N6-(2-deoxy-alpha,beta-D-erythro-pentofuranosyl)-2,6-diamino-4-hydroxy-5-formamidopyrimidine). <i>Journal of the American Chemical Society</i> , 2001 , 123, 8636-7	16.4	59
185	Model Studies Indicate That Copper Phenanthroline Induces Direct Strand Breaks via β Elimination of the 2-Deoxyribonolactone Intermediate Observed in Eneidyne Mediated DNA Damage. <i>Journal of the American Chemical Society</i> , 1998 , 120, 3815-3816	16.4	57
184	Quantification of 8-oxodGuo lesions in double-stranded DNA using a photoelectrochemical DNA sensor. <i>Analytical Chemistry</i> , 2012 , 84, 6048-53	7.8	56
183	Scope and mechanism of interstrand cross-link formation by the C4'Soxidized abasic site. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11132-9	16.4	55
182	Improved Utility of Photolabile Solid Phase Synthesis Supports for the Synthesis of Oligonucleotides Containing 3'SHydroxyl Termini. <i>Journal of Organic Chemistry</i> , 1996 , 61, 525-529	4.2	54

181	DNA strand damage product analysis provides evidence that the tumor cell-specific cytotoxin tirapazamine produces hydroxyl radical and acts as a surrogate for O(2). <i>Journal of the American Chemical Society</i> , 2007 , 129, 12870-7	16.4	52
180	Independent Generation and Reactivity of 2-Deoxyuridin-1-yl. <i>Journal of Organic Chemistry</i> , 1996 , 61, 2-3	4.2	52
179	Repair of DNA containing Fapy.dG and its beta-C-nucleoside analogue by formamidopyrimidine DNA glycosylase and MutY. <i>Biochemistry</i> , 2003 , 42, 9755-60	3.2	51
178	Mutagenic effects of 2-deoxyribonolactone in Escherichia coli. An abasic lesion that disobeys the A-rule. <i>Biochemistry</i> , 2004 , 43, 6723-33	3.2	51
177	Release of Superoxide from Nucleoside Peroxyl Radicals, a Double-Edged Sword?. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4903-4909	16.4	51
176	Thiol Specific and Tracelessly Removable Bioconjugation via Michael Addition to 5-Methylene Pyrrolones. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6146-6151	16.4	50
175	Mechanistic studies on histone catalyzed cleavage of apyrimidinic/apurinic sites in nucleosome core particles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16734-41	16.4	50
174	Direct strand scission from a nucleobase radical in RNA. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3668-9	16.4	48
173	Efficient removal of formamidopyrimidines by 8-oxoguanine glycosylases. <i>Biochemistry</i> , 2008 , 47, 1043-50	3.2	48
172	Double-strand break formation during nucleotide excision repair of a DNA interstrand cross-link. <i>Biochemistry</i> , 2009 , 48, 7565-7	3.2	47
171	Action of human apurinic endonuclease (Ape1) on C1-oxidized deoxyribose damage in DNA. <i>DNA Repair</i> , 2003 , 2, 175-85	4.3	47
170	Fapy.dA induces nucleotide misincorporation translesionally by a DNA polymerase. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 771-3	16.4	45
169	Studies on N4-(2-deoxy-D-pentofuranosyl)-4,6-diamino-5-formamidopyrimidine (Fapy.dA) and N6-(2-deoxy-D-pentofuranosyl)-6-diamino-5-formamido-4-hydroxypyrimidine (Fapy.dG). <i>Biochemistry</i> , 2001 , 40, 15856-61	3.2	45
168	Studies on the replication of the ring opened formamidopyrimidine, Fapy.dG in Escherichia coli. <i>Biochemistry</i> , 2007 , 46, 10202-12	3.2	43
167	Nucleosome core particle-catalyzed strand scission at abasic sites. <i>Biochemistry</i> , 2013 , 52, 2157-64	3.2	41
166	Kinetics and Stereoselectivity of Thiol Trapping of Deoxyuridin-1-yl in Biopolymers and Their Relationship to the Formation of Premutagenic Deoxynucleotides. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4311-4315	16.4	40
165	Intracellular detection of cytosine incorporation in genomic DNA by using 5-ethynyl-2-deoxycytidine. <i>ChemBioChem</i> , 2011 , 12, 2184-90	3.8	39
164	Irreversible inhibition of DNA polymerase beta by an oxidized abasic lesion. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5004-5	16.4	39

163	DNA tandem lesion repair by strand displacement synthesis and nucleotide excision repair. <i>Biochemistry</i> , 2008 , 47, 4306-16	3.2	39
162	Facile quantification of lesions derived from 2Sdeoxyguanosine in DNA. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7010-1	16.4	39
161	Selective detection of 2-deoxyribonolactone in DNA. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2806-7	16.4	39
160	Introducing Structural Diversity in Oligonucleotides via Photolabile, Convertible C5-Substituted Nucleotides. <i>Journal of the American Chemical Society</i> , 1999 , 121, 597-604	16.4	39
159	DNA interstrand cross-link formation by the 1,4-dioxobutane abasic lesion. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15225-31	16.4	38
158	Histone modification via rapid cleavage of C4Soxidized abasic sites in nucleosome core particles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5274-7	16.4	37
157	Synthesis and characterization of oligonucleotides containing the c4Soxidized abasic site produced by bleomycin and other DNA damaging agents. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5882-5	16.4	37
156	Preparation and analysis of oligonucleotides containing lesions resulting from C5Soxidation. <i>Journal of Organic Chemistry</i> , 2005 , 70, 9916-24	4.2	36
155	Repair of oxidized abasic sites by exonuclease III, endonuclease IV, and endonuclease III. <i>Biochemistry</i> , 2004 , 43, 8178-83	3.2	36
154	Histone-catalyzed cleavage of nucleosomal DNA containing 2-deoxyribonolactone. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8090-3	16.4	35
153	Mutagenic effects of abasic and oxidized abasic lesions in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2005 , 33, 6196-202	20.1	35
152	A comprehensive comparison of DNA replication past 2-deoxyribose and its tetrahydrofuran analog in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2004 , 32, 5480-5	20.1	35
151	Postsynthetic Conjugation of Protected Oligonucleotides Containing 3EAlkylamines. <i>Journal of the American Chemical Society</i> , 1998 , 120, 3289-3294	16.4	35
150	Observation and elimination of N-acetylation of oligonucleotides prepared using fast-deprotecting phosphoramidites and ultra-mild deprotection. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 1105-7	2.9	34
149	Facile SNP detection using bifunctional, cross-linking oligonucleotide probes. <i>Nucleic Acids Research</i> , 2008 , 36, e31	20.1	33
148	Nucleotide excision repair of a DNA interstrand cross-link produces single- and double-strand breaks. <i>Biochemistry</i> , 2010 , 49, 11-9	3.2	32
147	Low-Energy Electron Interaction with DNA: Bond Dissociation and Formation of Transient Anions, Radicals, and Radical Anions		32
146	Multinuclear NMR and kinetic analysis of DNA interstrand cross-link formation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17981-7	16.4	32

145	Product and mechanistic analysis of the reactivity of a C6-pyrimidine radical in RNA. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5152-9	16.4	31
144	Use of fluorescence sensors to determine that 2-deoxyribonolactone is the major alkali-labile deoxyribose lesion produced in oxidatively damaged DNA. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 561-4	16.4	31
143	Synthesis of oligonucleotides containing Fapy.dG (N(6)-(2-deoxy-alpha,beta-D-erythropentofuranosyl)-2,6-diamino-4-hydroxy-5-formamidopyrimidine) using a 5Sdimethoxytrityl dinucleotide phosphoramidite. <i>Journal of Organic Chemistry</i> , 2005 , 70, 141-9	4.2	31
142	Radiosensitization by a modified nucleotide that produces DNA interstrand cross-links under hypoxic conditions. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2230-1	16.4	31
141	Mild generation of 5-(2Sdeoxyuridiny)methyl radical from a phenyl selenide precursor. <i>Organic Letters</i> , 2004 , 6, 5011-3	6.2	31
140	The effects of secondary structure and O ₂ on the formation of direct strand breaks upon UV irradiation of 5-bromodeoxyuridine-containing oligonucleotides. <i>Chemistry and Biology</i> , 1999 , 6, 451-9		31
139	Long patch base excision repair compensates for DNA polymerase β inactivation by the C4Soxidized abasic site. <i>Biochemistry</i> , 2011 , 50, 136-43	3.2	29
138	Oxygen-dependent DNA damage amplification involving 5,6-dihydrothymidin-5-yl in a structurally minimal system. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5181-7	16.4	29
137	Effects of the C4Soxidized abasic site on replication in Escherichia coli. An unusually large deletion is induced by a small lesion. <i>Biochemistry</i> , 2004 , 43, 13621-7	3.2	28
136	Independent generation and characterization of a C2Soxidized abasic site in chemically synthesized oligonucleotides. <i>Journal of Organic Chemistry</i> , 2004 , 69, 6100-4	4.2	28
135	Evidence for glycosidic bond rotation in a nucleobase peroxy radical and its effect on tandem lesion formation. <i>Journal of Organic Chemistry</i> , 2004 , 69, 6974-8	4.2	28
134	Independent Generation of 5,6-Dihydrothymid-5-yl in Single-Stranded Polythymidylate. O ₂ Is Necessary for Strand Scission. <i>Journal of the American Chemical Society</i> , 1995 , 117, 8291-8292	16.4	28
133	Diastereoselective synthesis of hydroxylated dihydrothymidines resulting from oxidative stress. <i>Journal of Organic Chemistry</i> , 1993 , 58, 6151-6154	4.2	28
132	Inhibition of short patch and long patch base excision repair by an oxidized abasic site. <i>Biochemistry</i> , 2010 , 49, 9904-10	3.2	27
131	Probing the configurations of formamidopyrimidine lesions Fapy.dA and Fapy.dG in DNA using endonuclease IV. <i>Biochemistry</i> , 2004 , 43, 13397-403	3.2	27
130	Synthesis of 2Smodified oligodeoxynucleotides via on-column conjugation. <i>Journal of Organic Chemistry</i> , 2001 , 66, 363-9	4.2	27
129	Reactivity of 5,6-Dihydro-5-hydroxythymid-6-yl Generated via Photoinduced Single Electron Transfer and the Role of Cyclohexa-1,4-diene in the Photodeoxygenation Process. <i>Journal of the American Chemical Society</i> , 1995 , 117, 4894-4904	16.4	27
128	5,6-Dihydropyrimidine peroxy radical reactivity in DNA. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3928-36	16.4	26

127	EC-tagging allows cell type-specific RNA analysis. <i>Nucleic Acids Research</i> , 2017 , 45, e138	20.1	26
126	Selective detection and quantification of oxidized abasic lesions in DNA. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8702-3	16.4	26
125	Independent generation and reactivity of 2-deoxy-5-methyleneuridin-5-yl, a significant reactive intermediate produced from thymidine as a result of oxidative stress. <i>Journal of Organic Chemistry</i> , 2000 , 65, 4648-54	4.2	26
124	Histone tails decrease N7-methyl-2Sdeoxyguanosine depurination and yield DNA-protein cross-links in nucleosome core particles and cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11212-E11220	11.5	26
123	Hole migration is the major pathway involved in alkali-labile lesion formation in DNA by the direct effect of ionizing radiation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 772-3	16.4	25
122	Structural Basis for Excision of 5-Formylcytosine by Thymine DNA Glycosylase. <i>Biochemistry</i> , 2016 , 55, 6205-6208	3.2	24
121	Direct strand scission in double stranded RNA via a C5-pyrimidine radical. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3917-24	16.4	24
120	Independent generation and study of 5,6-Dihydro-2Sdeoxyuridin-6-yl, a member of the major family of reactive intermediates formed in DNA from the effects of gamma-radiolysis. <i>Journal of Organic Chemistry</i> , 2003 , 68, 4275-80	4.2	24
119	Independent Generation of 5,6-Dihydrothymid-5-yl and Investigation of Its Ability To Effect Nucleic Acid Strand Scission via Hydrogen Atom Abstraction. <i>Journal of Organic Chemistry</i> , 1995 , 60, 1916-1917	4.2	23
118	Inhibition of klenow fragment (exo-) catalyzed DNA polymerization by (5R)-5,6-dihydro-5-hydroxythymidine and structural analogue 5,6-dihydro-5-methylthymidine. <i>Biochemistry</i> , 1997 , 36, 14071-9	3.2	22
117	Probing interactions between lysine residues in histone tails and nucleosomal DNA via product and kinetic analysis. <i>ACS Chemical Biology</i> , 2015 , 10, 622-30	4.9	21
116	In vitro replication and repair of DNA containing a C2Soxidized abasic site. <i>Biochemistry</i> , 2004 , 43, 15217-22	3.2	21
115	Interaction of DNA containing Fapy.dA or its C-nucleoside analogues with base excision repair enzymes. Implications for mutagenesis and enzyme inhibition. <i>Biochemistry</i> , 2002 , 41, 15838-44	3.2	21
114	Reduced repair capacity of a DNA clustered damage site comprised of 8-oxo-7,8-dihydro-2Sdeoxyguanosine and 2-deoxyribonolactone results in an increased mutagenic potential of these lesions. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014 , 762, 32-9	3.3	20
113	Protein binding has a large effect on radical mediated DNA damage. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12890-1	16.4	20
112	Aminyl Radical Generation via Tandem Norrish Type I Photocleavage, Fragmentation: Independent Generation and Reactivity of the 2SDeoxyadenosin- N6-yl Radical. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3571-3580	4.2	19
111	Unlike catalyzing error-free bypass of 8-oxodGuo, DNA polymerase β is responsible for a significant part of Fapy.dG-induced G \rightarrow T mutations in human cells. <i>Biochemistry</i> , 2015 , 54, 1859-62	3.2	19
110	DNA damage by histone radicals in nucleosome core particles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6562-5	16.4	19

109	Deconvoluting the reactivity of two intermediates formed from modified pyrimidines. <i>Organic Letters</i> , 2013 , 15, 3618-21	6.2	19
108	DNA double strand cleavage via interstrand hydrogen atom abstraction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16368-71	16.4	19
107	Light-Triggered RNA Annealing by an RNA Chaperone. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7281-4	16.4	19
106	Synthesis and analysis of oligonucleotides containing abasic site analogues. <i>Journal of Organic Chemistry</i> , 2008 , 73, 2695-703	4.2	19
105	Synthesis, DNA polymerase incorporation, and enzymatic phosphate hydrolysis of formamidopyrimidine nucleoside triphosphates. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14606-11	16.4	19
104	High-Yielding Method for On-Column Derivatization of Protected Oligodeoxy- nucleotides and Its Application to the Convergent Synthesis of 5'βBis-conjugates. <i>Journal of Organic Chemistry</i> , 1998 , 63, 4870-4871	4.2	19
103	Photochemical control of RNA structure by disrupting βstacking. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12478-81	16.4	18
102	Replication of an oxidized abasic site in Escherichia coli by a dNTP-stabilized misalignment mechanism that reads upstream and downstream nucleotides. <i>Biochemistry</i> , 2006 , 45, 5048-56	3.2	18
101	Synthesis of modified oligodeoxyribonucleotides on a solid-phase support via derivatization of a selectively revealed 2'Samino-2'Sdeoxyuridine. <i>Organic Letters</i> , 1999 , 1, 2021-4	6.2	18
100	Reactivity of Nucleic Acid Radicals. <i>Advances in Physical Organic Chemistry</i> , 2016 , 50, 119-202	0.3	18
99	Irreversible inhibition of DNA polymerase βby small-molecule mimics of a DNA lesion. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3176-83	16.4	17
98	Photochemical generation and reactivity of the 5,6-dihydrouridin-6-yl radical. <i>Journal of Organic Chemistry</i> , 2009 , 74, 7007-12	4.2	17
97	Excision of formamidopyrimidine lesions by endonucleases III and VIII is not a major DNA repair pathway in Escherichia coli. <i>Nucleic Acids Research</i> , 2005 , 33, 3331-8	20.1	17
96	Rapid Histone-Catalyzed DNA Lesion Excision and Accompanying Protein Modification in Nucleosomes and Nucleosome Core Particles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11022-31	16.4	16
95	Probing DNA interstrand cross-link formation by an oxidized abasic site using nonnative nucleotides. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 5788-93	3.4	16
94	Optimization and Mechanistic Analysis of Oligonucleotide Cleavage from Palladium-Labile Solid-Phase Synthesis Supports1. <i>Journal of Organic Chemistry</i> , 1998 , 63, 4062-4068	4.2	16
93	DNA polymerase βinactivation by oxidized abasic sites. <i>Biochemistry</i> , 2013 , 52, 975-83	3.2	15
92	The mutagenicity of thymidine glycol in Escherichia coli is increased when it is part of a tandem lesion. <i>Biochemistry</i> , 2009 , 48, 7833-41	3.2	15

91	Preparation and analysis of oligonucleotides containing the c4Soxidized abasic site and related mechanistic probes. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8122-9	4.2	15
90	Synthesis of oligonucleotides and thermal stability of duplexes containing the beta-C-nucleoside analogue of Fapy*dG. <i>Chemical Research in Toxicology</i> , 2002 , 15, 1460-5	4	15
89	Identifying Poly(ADP-ribose)-Binding Proteins with Photoaffinity-Based Proteomics. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3037-3042	16.4	15
88	Synthesis of cross-linked DNA containing oxidized abasic site analogues. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5948-57	4.2	14
87	Independent generation of the major adduct of hydroxyl radical and thymidine. Examination of intramolecular hydrogen atom transfer in competition with thiol trapping.. <i>Tetrahedron Letters</i> , 1992 , 33, 6057-6060	2	14
86	Oxidation of 8-Oxo-7,8-dihydro-2Sdeoxyguanosine Leads to Substantial DNA-Histone Cross-Links within Nucleosome Core Particles. <i>Chemical Research in Toxicology</i> , 2018 , 31, 1364-1372	4	14
85	Rotational Effects within Nucleosome Core Particles on Abasic Site Reactivity. <i>Biochemistry</i> , 2018 , 57, 3945-3952	3.2	13
84	Looking beneath the surface to determine what makes DNA damage deleterious. <i>Current Opinion in Chemical Biology</i> , 2014 , 21, 48-55	9.7	13
83	Radical Reaction Pathways Initiated by Direct Energy Deposition in DNA by Ionizing Radiation41-68		13
82	Competitive inhibition of uracil DNA glycosylase by a modified nucleotide whose triphosphate is a substrate for DNA polymerase. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1344-5	16.4	13
81	Hydrogen bonding contributes to the selectivity of nucleotide incorporation opposite an oxidized abasic lesion. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6080-1	16.4	13
80	The effect of the 2-amino group of 7,8-dihydro-8-oxo-2Sdeoxyguanosine on translesion synthesis and duplex stability. <i>Nucleic Acids Research</i> , 2005 , 33, 1637-43	20.1	13
79	Traceless Tandem Lesion Formation in DNA from a Nitrogen-Centered Purine Radical. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6400-6407	16.4	12
78	Independent generation and reactivity of uridin-2Syl radical. <i>Journal of Organic Chemistry</i> , 2014 , 79, 10303-10	4.2	12
77	Quantitative detection of 8-Oxo-7,8-dihydro-2Sdeoxyguanosine using chemical tagging and qPCR. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1227-35	4	12
76	DNA Damage Emanating From a Neutral Purine Radical Reveals the Sequence Dependent Convergence of the Direct and Indirect Effects of Radiolysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17751-17754	16.4	12
75	Photochemical generation and reactivity of the major hydroxyl radical adduct of thymidine. <i>Organic Letters</i> , 2012 , 14, 2866-9	6.2	12
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