

Marc M Greenberg

List of Publications by Year in descending order

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227
times ranked

3847
citing authors

#	ARTICLE	IF	CITATIONS
1	Repair of Formamidopyrimidines in DNA Involves Different Glycosylases. <i>Journal of Biological Chemistry</i> , 2005, 280, 40544-40551.	1.6	174
2	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, 22475-22480.	3.3	170
3	Mechanistic studies on DNA damage by minor groove binding copper-phenanthroline conjugates. <i>Nucleic Acids Research</i> , 2005, 33, 5371-5379.	6.5	137
4	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, 2305-2315.	6.5	128
5	Covalent Trapping of Human DNA Polymerase β by the Oxidative DNA Lesion 2-Deoxyribonolactone. <i>Journal of Biological Chemistry</i> , 2002, 277, 7637-7640.	1.6	114
6	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, 367-381.	1.5	114
7	Synthesis and Characterization of Oligodeoxynucleotides Containing Formamidopyrimidine Lesions and Nonhydrolyzable Analogues. <i>Journal of the American Chemical Society</i> , 2002, 124, 3263-3269.	6.6	103
8	Efficient DNA Interstrand Cross-Link Formation from a Nucleotide Radical. <i>Journal of the American Chemical Society</i> , 2005, 127, 3692-3693.	6.6	103
9	Oxygen Independent DNA Interstrand Cross-Link Formation by a Nucleotide Radical. <i>Journal of the American Chemical Society</i> , 2006, 128, 485-491.	6.6	97
10	5-Formylcytosine Yields DNA-Protein Cross-Links in Nucleosome Core Particles. <i>Journal of the American Chemical Society</i> , 2017, 139, 10617-10620.	6.6	95
11	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, 3161-3162.	6.6	93
12	Fapy-dG Instructs Klenow Exo- to Misincorporate Deoxyadenosine. <i>Journal of the American Chemical Society</i> , 2002, 124, 7278-7279.	6.6	93
13	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, 10510-10511.	6.6	92
14	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.	6.6	89
15	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.	6.6	88
16	A Minor Groove Binding Copper-Phenanthroline Conjugate Produces Direct Strand Breaks via β -Elimination of 2-Deoxyribonolactone. <i>Journal of the American Chemical Society</i> , 2002, 124, 9062-9063.	6.6	86
17	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.	6.6	82
18	Abasic and Oxidized Abasic Site Reactivity in DNA: Enzyme Inhibition, Cross-Linking, and Nucleosome Catalyzed Reactions. <i>Accounts of Chemical Research</i> , 2014, 47, 646-655.	7.6	82

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19	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.	6.2	81
20	Characterization and Mechanism of Formation of Tandem Lesions in DNA by a Nucleobase Peroxyl Radical. <i>Journal of the American Chemical Society</i> , 2007, 129, 4089-4098.	6.6	81
21	Self-Promoted DNA Interstrand Cross-Link Formation by an Abasic Site. <i>Journal of the American Chemical Society</i> , 2008, 130, 9646-9647.	6.6	79
22	The Formamidopyrimidines: Purine Lesions Formed in Competition With 8-Oxopurines From Oxidative Stress. <i>Accounts of Chemical Research</i> , 2012, 45, 588-597.	7.6	77
23	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.	6.6	75
24	Direct Evidence for Bimodal DNA Damage Induced by Tirapazamine. <i>Chemical Research in Toxicology</i> , 1998, 11, 1254-1257.	1.7	75
25	Elucidating DNA damage and repair processes by independently generating reactive and metastable intermediates. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 18-30.	1.5	75
26	Interstrand Cross-Link Formation in Duplex and Triplex DNA by Modified Pyrimidines. <i>Journal of the American Chemical Society</i> , 2008, 130, 10299-10306.	6.6	74
27	Mechanistic Studies on Histone Catalyzed Cleavage of Apyrimidinic/Apurinic Sites in Nucleosome Core Particles. <i>Journal of the American Chemical Society</i> , 2012, 134, 16734-16741.	6.6	70
28	Synthesis of Oligonucleotides Containing Fapy-dG (N6-(2-Deoxy-β-D-erythro-pentofuranosyl)-2,6- <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> 8636-8637.	6.6	67
29	Tandem Lesions Are the Major Products Resulting from a Pyrimidine Nucleobase Radical. <i>Journal of the American Chemical Society</i> , 2003, 125, 13376-13378.	6.6	66
30	Cross-Linking of 2-Deoxyribonolactone and Its β-Elimination Product by Base Excision Repair Enzymes. <i>Biochemistry</i> , 2003, 42, 2449-2455.	1.2	66
31	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, 7757-7763.	1.2	65
32	Investigating Nucleic Acid Damage Processes via Independent Generation of Reactive Intermediates. <i>Chemical Research in Toxicology</i> , 1998, 11, 1235-1248.	1.7	65
33	Reaction of the Hypoxia-Selective Antitumor Agent Tirapazamine with a C1'-Radical 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, 14248-14255.	1.2	64
34	Improved Utility of Photolabile Solid Phase Synthesis Supports for the Synthesis of Oligonucleotides Containing β-Hydroxyl Termini. <i>Journal of Organic Chemistry</i> , 1996, 61, 525-529.	1.7	62
35	Model Studies Indicate That Copper Phenanthroline Induces Direct Strand Breaks via β-Elimination of the 2-Deoxyribonolactone Intermediate Observed in Eneiyne Mediated DNA Damage. <i>Journal of the American Chemical Society</i> , 1998, 120, 3815-3816.	6.6	61
36	Scope and Mechanism of Interstrand Cross-Link Formation by the C4'-Oxidized Abasic Site. <i>Journal of the American Chemical Society</i> , 2009, 131, 11132-11139.	6.6	60

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37	Quantification of 8-OxodGuo Lesions in Double-Stranded DNA Using a Photoelectrochemical DNA Sensor. <i>Analytical Chemistry</i> , 2012, 84, 6048-6053.	3.2	59
38	Independent Generation and Reactivity of 2-Deoxyurid-1-yl. <i>Journal of Organic Chemistry</i> , 1996, 61, 2-3.	1.7	58
39	Release of Superoxide from Nucleoside Peroxyl Radicals, a Double-Edged Sword?. <i>Journal of the American Chemical Society</i> , 1998, 120, 4903-4909.	6.6	56
40	Efficient Removal of Formamidopyrimidines by 8-Oxoguanine Glycosylases. <i>Biochemistry</i> , 2008, 47, 1043-1050.	1.2	55
41	Fapyâ€¦dA Induces Nucleotide Misincorporation Translesionally by a DNA Polymerase We are grateful for support of this research by the National Institutes of Health (CA-74954).. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 771.	7.2	54
42	Repair of DNA Containing FapyÂ·dG and Its ¹² C-Nucleoside Analogue by Formamidopyrimidine DNA Glycosylase and MutYâ€¦. <i>Biochemistry</i> , 2003, 42, 9755-9760.	1.2	54
43	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, 12870-12877.	6.6	54
44	Mutagenic Effects of 2-Deoxyribonolactone in <i>Escherichia coli</i> . An Abasic Lesion That Disobeys the A-Ruleâ€¦. <i>Biochemistry</i> , 2004, 43, 6723-6733.	1.2	53
45	Nucleosome Core Particle-Catalyzed Strand Scission at Abasic Sites. <i>Biochemistry</i> , 2013, 52, 2157-2164.	1.2	52
46	Direct Strand Scission from a Nucleobase Radical in RNA. <i>Journal of the American Chemical Society</i> , 2010, 132, 3668-3669.	6.6	51
47	Studies on N4-(2-Deoxy-d-pentofuranosyl)-4,6-diamino-5-formamidopyrimidine (Fapyâ€¦dA) and N6-(2-Deoxy-d-pentofuranosyl)-6-diamino-5-formamido-4-hydroxypyrimidine (Fapyâ€¦dG). <i>Biochemistry</i> , 2001, 40, 15856-15861.	1.2	50
48	Action of human apurinic endonuclease (Ape1) on C1â€²-oxidized deoxyribose damage in DNA. <i>DNA Repair</i> , 2003, 2, 175-185.	1.3	50
49	Double-Strand Break Formation during Nucleotide Excision Repair of a DNA Interstrand Cross-Link. <i>Biochemistry</i> , 2009, 48, 7565-7567.	1.2	49
50	Introducing Structural Diversity in Oligonucleotides via Photolabile, Convertible C5-Substituted Nucleotides. <i>Journal of the American Chemical Society</i> , 1999, 121, 597-604.	6.6	48
51	Studies on the Replication of the Ring Opened Formamidopyrimidine, FapyÂ·dG in <i>Escherichia coli</i> . <i>Biochemistry</i> , 2007, 46, 10202-10212.	1.2	47
52	Histone Modification via Rapid Cleavage of C4â€²-Oxidized Abasic Sites in Nucleosome Core Particles. <i>Journal of the American Chemical Society</i> , 2013, 135, 5274-5277.	6.6	45
53	Histone tails decrease N7-methyl-2â€²-deoxyguanosine depurination and yield DNAâ€¦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.	3.3	45
54	Identifying Poly(ADP-ribose)-Binding Proteins with Photoaffinity-Based Proteomics. <i>Journal of the American Chemical Society</i> , 2021, 143, 3037-3042.	6.6	44

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55	Facile Quantification of Lesions Derived from 2-Deoxyguanosine in DNA. <i>Journal of the American Chemical Society</i> , 2007, 129, 7010-7011.	6.6	43
56	DNA Tandem Lesion Repair by Strand Displacement Synthesis and Nucleotide Excision Repair. <i>Biochemistry</i> , 2008, 47, 4306-4316.	1.2	43
57	Irreversible Inhibition of DNA Polymerase β by an Oxidized Abasic Lesion. <i>Journal of the American Chemical Society</i> , 2010, 132, 5004-5005.	6.6	43
58	Selective Detection of 2-Deoxyribonolactone in DNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 2806-2807.	6.6	42
59	DNA Interstrand Cross-Link Formation by the 1,4-Dioxobutane Abasic Lesion. <i>Journal of the American Chemical Society</i> , 2009, 131, 15225-15231.	6.6	42
60	Kinetics and Stereoselectivity of Thiol Trapping of Deoxyuridin-1-yl in Biopolymers and Their Relationship to the Formation of Premutagenic \pm -Deoxynucleotides. <i>Journal of the American Chemical Society</i> , 1999, 121, 4311-4315.	6.6	41
61	Mutagenic effects of abasic and oxidized abasic lesions in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 2005, 33, 6196-6202.	6.5	41
62	Intracellular Detection of Cytosine Incorporation in Genomic DNA by Using 5-Ethynyl-2-Deoxycytidine. <i>ChemBioChem</i> , 2011, 12, 2184-2190.	1.3	41
63	Postsynthetic Conjugation of Protected Oligonucleotides Containing 3-Alkylamines. <i>Journal of the American Chemical Society</i> , 1998, 120, 3289-3294.	6.6	40
64	Histone-Catalyzed Cleavage of Nucleosomal DNA Containing 2-Deoxyribonolactone. <i>Journal of the American Chemical Society</i> , 2012, 134, 8090-8093.	6.6	40
65	Synthesis and Characterization of Oligonucleotides Containing the C4-Oxidized Abasic Site Produced by Bleomycin and Other DNA Damaging Agents. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5882-5885.	7.2	38
66	Repair of Oxidized Abasic Sites by Exonuclease III, Endonuclease IV, and Endonuclease III. <i>Biochemistry</i> , 2004, 43, 8178-8183.	1.2	37
67	Preparation and Analysis of Oligonucleotides Containing Lesions Resulting from C5-Oxidation. <i>Journal of Organic Chemistry</i> , 2005, 70, 9916-9924.	1.7	37
68	EC-tagging allows cell type-specific RNA analysis. <i>Nucleic Acids Research</i> , 2017, 45, e138-e138.	6.5	37
69	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, 5480-5485.	6.5	36
70	Radiosensitization by a Modified Nucleotide that Produces DNA Interstrand Cross-Links under Hypoxic Conditions. <i>Journal of the American Chemical Society</i> , 2006, 128, 2230-2231.	6.6	36
71	Facile SNP detection using bifunctional, cross-linking oligonucleotide probes. <i>Nucleic Acids Research</i> , 2008, 36, e31.	6.5	36
72	Diastereoselective synthesis of hydroxylated dihydrothymidines resulting from oxidative stress. <i>Journal of Organic Chemistry</i> , 1993, 58, 6151-6154.	1.7	35

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73	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, 1105-1107.	1.0	35
74	Mild Generation of 5-(2-Deoxyuridinyl)methyl Radical from a Phenyl Selenide Precursor. <i>Organic Letters</i> , 2004, 6, 5011-5013.	2.4	35
75	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, 561-564.	7.2	35
76	Multinuclear NMR and Kinetic Analysis of DNA Interstrand Cross-Link Formation. <i>Journal of the American Chemical Society</i> , 2008, 130, 17981-17987.	6.6	35
77	Nucleotide Excision Repair of a DNA Interstrand Cross-Link Produces Single- and Double-Strand Breaks. <i>Biochemistry</i> , 2010, 49, 11-19.	1.2	35
78	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, 5181-5187.	6.6	33
79	The effects of secondary structure and O ₂ on the formation of direct strand breaks upon UV irradiation of 5-bromodeoxy-uridine-containing oligonucleotides. <i>Chemistry and Biology</i> , 1999, 6, 451-459.	6.2	32
80	Synthesis of Oligonucleotides Containing Fapy-dG (N ⁶ -(2-Deoxy-1,2-d-erythropentofuranosyl)-2,6-diamino-4-hydroxy-5-formamidopyrimidine) Using a 5-Dimethoxytrityl Dinucleotide Phosphoramidite. <i>Journal of Organic Chemistry</i> , 2005, 70, 141-149.	1.7	32
81	Product and Mechanistic Analysis of the Reactivity of a C6-Pyrimidine Radical in RNA. <i>Journal of the American Chemical Society</i> , 2011, 133, 5152-5159.	6.6	32
82	Structural Basis for Excision of 5-Formylcytosine by Thymine DNA Glycosylase. <i>Biochemistry</i> , 2016, 55, 6205-6208.	1.2	32
83	Probing the Configurations of Formamidopyrimidine Lesions Fapy-dA and Fapy-dG in DNA Using Endonuclease IV. <i>Biochemistry</i> , 2004, 43, 13397-13403.	1.2	30
84	Independent Generation and Characterization of a C2-Oxidized Abasic Site in Chemically Synthesized Oligonucleotides. <i>Journal of Organic Chemistry</i> , 2004, 69, 6100-6104.	1.7	30
85	Long Patch Base Excision Repair Compensates for DNA Polymerase β Inactivation by the C4-Oxidized Abasic Site. <i>Biochemistry</i> , 2011, 50, 136-143.	1.2	30
86	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.	6.6	29
87	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.	6.6	29
88	Effects of the C4-Oxidized Abasic Site on Replication in <i>Escherichia coli</i> . An Unusually Large Deletion Is Induced by a Small Lesion. <i>Biochemistry</i> , 2004, 43, 13621-13627.	1.2	29
89	Evidence for Glycosidic Bond Rotation in a Nucleobase Peroxyl Radical and Its Effect on Tandem Lesion Formation. <i>Journal of Organic Chemistry</i> , 2004, 69, 6974-6978.	1.7	29
90	Inhibition of Short Patch and Long Patch Base Excision Repair by an Oxidized Abasic Site. <i>Biochemistry</i> , 2010, 49, 9904-9910.	1.2	29

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91	Synthesis of 2'-Modified Oligodeoxynucleotides via On-Column Conjugation. <i>Journal of Organic Chemistry</i> , 2001, 66, 363-369.	1.7	28
92	Selective Detection and Quantification of Oxidized Abasic Lesions in DNA. <i>Journal of the American Chemical Society</i> , 2007, 129, 8702-8703.	6.6	28
93	5,6-Dihydropyrimidine Peroxyl Radical Reactivity in DNA. <i>Journal of the American Chemical Society</i> , 2014, 136, 3928-3936.	6.6	28
94	Unlike Catalyzing Error-Free Bypass of 8-OxodGuo, DNA Polymerase β Is Responsible for a Significant Part of FapyA-dG-Induced G \rightarrow T Mutations in Human Cells. <i>Biochemistry</i> , 2015, 54, 1859-1862.	1.2	28
95	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, 4648-4654.	1.7	27
96	Independent Generation and Study of 5,6-Dihydro-2'-deoxyuridin-6-yl, a Member of the Major Family of Reactive Intermediates Formed in DNA from the Effects of I^{13} -Radiolysis. <i>Journal of Organic Chemistry</i> , 2003, 68, 4275-4280.	1.7	27
97	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, 772-773.	6.6	27
98	Light-Triggered RNA Annealing by an RNA Chaperone. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7281-7284.	7.2	27
99	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, 14071-14079.	1.2	25
100	Direct Strand Scission in Double Stranded RNA via a C5-Pyrimidine Radical. <i>Journal of the American Chemical Society</i> , 2012, 134, 3917-3924.	6.6	25
101	Oxidation of 8-Oxo-7,8-dihydro-2'-deoxyguanosine Leads to Substantial DNA-Histone Cross-Links within Nucleosome Core Particles. <i>Chemical Research in Toxicology</i> , 2018, 31, 1364-1372.	1.7	25
102	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.	1.7	23
103	In Vitro Replication and Repair of DNA Containing a C2'-Oxidized Abasic Site. <i>Biochemistry</i> , 2004, 43, 15217-15222.	1.2	23
104	Deconvoluting the Reactivity of Two Intermediates Formed from Modified Pyrimidines. <i>Organic Letters</i> , 2013, 15, 3618-3621.	2.4	23
105	Irreversible Inhibition of DNA Polymerase β by Small-Molecule Mimics of a DNA Lesion. <i>Journal of the American Chemical Society</i> , 2014, 136, 3176-3183.	6.6	23
106	DNA Damage by Histone Radicals in Nucleosome Core Particles. <i>Journal of the American Chemical Society</i> , 2014, 136, 6562-6565.	6.6	23
107	Probing Interactions between Lysine Residues in Histone Tails and Nucleosomal DNA via Product and Kinetic Analysis. <i>ACS Chemical Biology</i> , 2015, 10, 622-630.	1.6	23
108	Interaction of DNA Containing FapyA-dA or Its C-Nucleoside Analogues with Base Excision Repair Enzymes. Implications for Mutagenesis and Enzyme Inhibition. <i>Biochemistry</i> , 2002, 41, 15838-15844.	1.2	22

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109	Synthesis, DNA Polymerase Incorporation, and Enzymatic Phosphate Hydrolysis of Formamidopyrimidine Nucleoside Triphosphates. <i>Journal of the American Chemical Society</i> , 2006, 128, 14606-14611.	6.6	22
110	Synthesis and Analysis of Oligonucleotides Containing Abasic Site Analogues. <i>Journal of Organic Chemistry</i> , 2008, 73, 2695-2703.	1.7	22
111	DNA Double Strand Cleavage via Interstrand Hydrogen Atom Abstraction. <i>Journal of the American Chemical Society</i> , 2013, 135, 16368-16371.	6.6	22
112	High-Yielding Method for On-Column Derivatization of Protected Oligodeoxy- nucleotides and Its Application to the Convergent Synthesis of 5â€³,3â€³-Bis-conjugates. <i>Journal of Organic Chemistry</i> , 1998, 63, 4870-4871.	1.7	21
113	Protein Binding Has a Large Effect on Radical Mediated DNA Damage. <i>Journal of the American Chemical Society</i> , 2008, 130, 12890-12891.	6.6	21
114	Photochemical Control of RNA Structure by Disrupting π -Stacking. <i>Journal of the American Chemical Society</i> , 2012, 134, 12478-12481.	6.6	21
115	Reduced repair capacity of a DNA clustered damage site comprised of 8-oxo-7,8-dihydro-2â€²-deoxyguanosine and 2-deoxyribonolactone results in an increased mutagenic potential of these lesions. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 762, 32-39.	0.4	21
116	Aminyl Radical Generation via Tandem Norrish Type I Photocleavage, \hat{I}^2 -Fragmentation: Independent Generation and Reactivity of the 2â€²-Deoxyadenosin- <i>N</i>-yl Radical. <i>Journal of Organic Chemistry</i> , 2017, 82, 3571-3580.	1.7	21
117	Synthesis of Modified Oligodeoxyribonucleotides on a Solid-Phase Support via Derivatization of a Selectively Revealed 2â€³-Amino-2â€³-deoxyuridine. <i>Organic Letters</i> , 1999, 1, 2021-2024.	2.4	20
118	Preparation and Analysis of Oligonucleotides Containing the C4â€³-Oxidized Abasic Site and Related Mechanistic Probes. <i>Journal of Organic Chemistry</i> , 2005, 70, 8122-8129.	1.7	20
119	Reactivity of Nucleic Acid Radicals. <i>Advances in Physical Organic Chemistry</i> , 2016, 50, 119-202.	0.5	20
120	Excision of formamidopyrimidine lesions by endonucleases III and VIII is not a major DNA repair pathway in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2005, 33, 3331-3338.	6.5	19
121	DNA Damage Emanating From a Neutral Purine Radical Reveals the Sequence Dependent Convergence of the Direct and Indirect Effects of \hat{I}^3 -Radiolysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 17751-17754.	6.6	19
122	Traceless Tandem Lesion Formation in DNA from a Nitrogen-Centered Purine Radical. <i>Journal of the American Chemical Society</i> , 2018, 140, 6400-6407.	6.6	19
123	Optimization and Mechanistic Analysis of Oligonucleotide Cleavage from Palladium-Labile Solid-Phase Synthesis Supports1. <i>Journal of Organic Chemistry</i> , 1998, 63, 4062-4068.	1.7	18
124	Replication of an Oxidized Abasic Site in <i>Escherichia coli</i> by a dNTP-Stabilized Misalignment Mechanism that Reads Upstream and Downstream Nucleotides. <i>Biochemistry</i> , 2006, 45, 5048-5056.	1.2	18
125	Photochemical Generation and Reactivity of the 5,6-Dihydrouridin-6-yl Radical. <i>Journal of Organic Chemistry</i> , 2009, 74, 7007-7012.	1.7	18
126	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, 11022-11031.	6.6	18

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127	Synthesis of Oligonucleotides and Thermal Stability of Duplexes Containing the \hat{I}^2 -C-Nucleoside Analogue of FapyA-dG. <i>Chemical Research in Toxicology</i> , 2002, 15, 1460-1465.	1.7	17
128	The effect of the 2-amino group of 7,8-dihydro-8-oxo-2'-deoxyguanosine on translesion synthesis and duplex stability. <i>Nucleic Acids Research</i> , 2005, 33, 1637-1643.	6.5	17
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