

# Nicholas E Geacintov

## List of Publications by Year in descending order

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164  
papers

6,562  
citations

53794

45  
h-index

88630

70  
g-index

184  
all docs

184  
docs citations

184  
times ranked

2514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of lesion verification by the human XPD helicase in nucleotide excision repair. <i>Nucleic Acids Research</i> , 2022, 50, 6837-6853.	14.5	6
2	Base and Nucleotide Excision Repair Pathways in DNA Plasmids Harboring Oxidatively Generated Guanine Lesions. <i>Chemical Research in Toxicology</i> , 2021, 34, 154-160.	3.3	5
3	Excision of Oxidatively Generated Guanine Lesions by Competitive DNA Repair Pathways. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2698.	4.1	8
4	TENT4A Non-Canonical Poly(A) Polymerase Regulates DNA-Damage Tolerance via Multiple Pathways That Are Mutated in Endometrial Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6957.	4.1	9
5	Recognition and repair of oxidatively generated DNA lesions in plasmid DNA by a facilitated diffusion mechanism. <i>Biochemical Journal</i> , 2021, 478, 2359-2370.	3.7	2
6	Molecular dynamics simulations reveal how H3K56 acetylation impacts nucleosome structure to promote DNA exposure for lesion sensing. <i>DNA Repair</i> , 2021, 107, 103201.	2.8	8
7	Variable impact of conformationally distinct DNA lesions on nucleosome structure and dynamics: Implications for nucleotide excision repair. <i>DNA Repair</i> , 2020, 87, 102768.	2.8	7
8	Remarkable Enhancement of Nucleotide Excision Repair of a Bulky Guanine Lesion in a Covalently Closed Circular DNA Plasmid Relative to the Same Linearized Plasmid. <i>Biochemistry</i> , 2020, 59, 2842-2848.	2.5	9
9	Inhibition of Excision of Oxidatively Generated Hydantoin DNA Lesions by NEIL1 by the Competitive Binding of the Nucleotide Excision Repair Factor XPC-RAD23B. <i>Biochemistry</i> , 2020, 59, 1728-1736.	2.5	6
10	The DNA damage-sensing NER repair factor XPC-RAD23B does not recognize bulky DNA lesions with a missing nucleotide opposite the lesion. <i>DNA Repair</i> , 2020, 96, 102985.	2.8	5
11	Excision of Oxidatively Generated Guanine Lesions by Competing Base and Nucleotide Excision Repair Mechanisms in Human Cells. <i>Chemical Research in Toxicology</i> , 2019, 32, 753-761.	3.3	19
12	5- $\epsilon$ ,8-Cyclopurine Lesions in DNA Damage: Chemical, Analytical, Biological, and Diagnostic Significance. <i>Cells</i> , 2019, 8, 513.	4.1	43
13	5-Formylcytosine-induced DNA-peptide cross-links reduce transcription efficiency, but do not cause transcription errors in human cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 18387-18397.	3.4	16
14	Nucleotide Excision Repair and Impact of Site-Specific 5- $\epsilon$ ,8-Cyclopurine and Bulky DNA Lesions on the Physical Properties of Nucleosomes. <i>Biochemistry</i> , 2019, 58, 561-574.	2.5	18
15	Synergistic effects of H3 and H4 nucleosome tails on structure and dynamics of a lesion-containing DNA: Binding of a displaced lesion partner base to the H3 tail for GG-NER recognition. <i>DNA Repair</i> , 2018, 65, 73-78.	2.8	10
16	Lesion Sensing during Initial Binding by Yeast XPC/Rad4: Toward Predicting Resistance to Nucleotide Excision Repair. <i>Chemical Research in Toxicology</i> , 2018, 31, 1260-1268.	3.3	20
17	Molecular basis for damage recognition and verification by XPC-RAD23B and TFIIH in nucleotide excision repair. <i>DNA Repair</i> , 2018, 71, 33-42.	2.8	55
18	Nucleotide Excision Repair Lesion-Recognition Protein Rad4 Captures a Pre-Flipped Partner Base in a Benzo[ <i>a</i> ]pyrene-Derived DNA Lesion: How Structure Impacts the Binding Pathway. <i>Chemical Research in Toxicology</i> , 2017, 30, 1344-1354.	3.3	32

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19	The Nonbulky DNA Lesions Spiroiminodihydantoin and 5-Guanidinohydantoin Significantly Block Human RNA Polymerase II Elongation <i>in Vitro</i> . <i>Biochemistry</i> , 2017, 56, 3008-3018.	2.5	14
20	Repair-Resistant DNA Lesions. <i>Chemical Research in Toxicology</i> , 2017, 30, 1517-1548.	3.3	48
21	Mechanism of error-free replication across benzo[a]pyrene stereoisomers by Rev1 DNA polymerase. <i>Nature Communications</i> , 2017, 8, 965.	12.8	20
22	Removal of oxidatively generated DNA damage by overlapping repair pathways. <i>Free Radical Biology and Medicine</i> , 2017, 107, 53-61.	2.9	42
23	Nucleotide Excision Repair and Transcription-coupled DNA Repair Abrogate the Impact of DNA Damage on Transcription. <i>Journal of Biological Chemistry</i> , 2016, 291, 848-861.	3.4	21
24	Translesion synthesis past guanine(C8)-thymine(N3) intrastrand cross-links catalyzed by selected A- and Y-family polymerases. <i>Molecular BioSystems</i> , 2016, 12, 1892-1900.	2.9	3
25	Characterization of the interactions of PARP-1 with UV-damaged DNA in vivo and in vitro. <i>Scientific Reports</i> , 2016, 6, 19020.	3.3	20
26	Base and Nucleotide Excision Repair of Oxidatively Generated Guanine Lesions in DNA. <i>Journal of Biological Chemistry</i> , 2016, 291, 5309-5319.	3.4	49
27	Entrapment of a Histone Tail by a DNA Lesion in a Nucleosome Suggests the Lesion Impacts Epigenetic Marking: A Molecular Dynamics Study. <i>Biochemistry</i> , 2016, 55, 239-242.	2.5	10
28	Oxidatively Generated Guanine(C8)-Thymine(N3) Intrastrand Cross-links in Double-stranded DNA Are Repaired by Base Excision Repair Pathways. <i>Journal of Biological Chemistry</i> , 2015, 290, 14610-14617.	3.4	16
29	Recognition of Damaged DNA for Nucleotide Excision Repair: A Correlated Motion Mechanism with a Mismatched <i>cis-syn</i> Thymine Dimer Lesion. <i>Biochemistry</i> , 2015, 54, 5263-5267.	2.5	26
30	Resistance to Nucleotide Excision Repair of Bulky Guanine Adducts Opposite Abasic Sites in DNA Duplexes and Relationships between Structure and Function. <i>PLoS ONE</i> , 2015, 10, e0137124.	2.5	17
31	Identification of novel DNA-damage tolerance genes reveals regulation of translesion DNA synthesis by nucleophosmin. <i>Nature Communications</i> , 2014, 5, 5437.	12.8	43
32	Structural basis for the recognition of diastereomeric 5 $\epsilon$ ,8-cyclo-2 $\epsilon$ -deoxypurine lesions by the human nucleotide excision repair system. <i>Nucleic Acids Research</i> , 2014, 42, 5020-5032.	14.5	69
33	Ribonucleotides as nucleotide excision repair substrates. <i>DNA Repair</i> , 2014, 13, 55-60.	2.8	19
34	Human DNA polymerases catalyze lesion bypass across benzo[a]pyrene-derived DNA adduct clustered with an abasic site. <i>DNA Repair</i> , 2014, 24, 1-9.	2.8	6
35	Nuclear Magnetic Resonance Studies of an N <sup>2</sup> -Guanine Adduct Derived from the Tumorigen Dibenzo[a,h]pyrene in DNA: Impact of Adduct Stereochemistry, Size, and Local DNA Sequence on Solution Conformations. <i>Biochemistry</i> , 2014, 53, 1827-1841.	2.5	8
36	The relationships between XPC binding to conformationally diverse DNA adducts and their excision by the human NER system: Is there a correlation?. <i>DNA Repair</i> , 2014, 19, 55-63.	2.8	33

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37	Thermodynamic Profiles and Nuclear Magnetic Resonance Studies of Oligonucleotide Duplexes Containing Single Diastereomeric Spiroiminodihydantoin Lesions. <i>Biochemistry</i> , 2013, 52, 1354-1363.	2.5	28
38	Generation of Guanine-Thymine Cross-Links in Human Cells by One-Electron Oxidation Mechanisms. <i>Chemical Research in Toxicology</i> , 2013, 26, 1031-1033.	3.3	39
39	Adenine-DNA Adducts Derived from the Highly Tumorigenic Dibenzo[a,h]pyrene Are Resistant to Nucleotide Excision Repair while Guanine Adducts Are Not. <i>Chemical Research in Toxicology</i> , 2013, 26, 783-793.	3.3	40
40	Role of Structural and Energetic Factors in Regulating Repair of a Bulky DNA Lesion with Different Opposite Partner Bases. <i>Biochemistry</i> , 2013, 52, 5517-5521.	2.5	15
41	Free Energy Profiles of Base Flipping in Intercalative Polycyclic Aromatic Hydrocarbon-Damaged DNA Duplexes: Energetic and Structural Relationships to Nucleotide Excision Repair Susceptibility. <i>Chemical Research in Toxicology</i> , 2013, 26, 1115-1125.	3.3	18
42	Nucleotide excision repair of 2-acetylaminofluorene- and 2-aminofluorene-(C8)-guanine adducts: molecular dynamics simulations elucidate how lesion structure and base sequence context impact repair efficiencies. <i>Nucleic Acids Research</i> , 2012, 40, 9675-9690.	14.5	61
43	Structural, energetic and dynamic properties of guanine(C8)-thymine(N3) cross-links in DNA provide insights on susceptibility to nucleotide excision repair. <i>Nucleic Acids Research</i> , 2012, 40, 2506-2517.	14.5	29
44	Nucleotide Excision Repair Efficiencies of Bulky Carcinogen-DNA Adducts Are Governed by a Balance between Stabilizing and Destabilizing Interactions. <i>Biochemistry</i> , 2012, 51, 1486-1499.	2.5	46
45	Nuclear Magnetic Resonance Solution Structure of an N2-Guanine DNA Adduct Derived from the Potent Tumorigen Dibenzo[a,l]pyrene: Intercalation from the Minor Groove with Ruptured Watson-Crick Base Pairing. <i>Biochemistry</i> , 2012, 51, 9751-9762.	2.5	12
46	Human DNA polymerase $\delta$ catalyzes lesion bypass across benzo[a]pyrene-derived DNA adduct during base excision repair. <i>DNA Repair</i> , 2012, 11, 367-373.	2.8	18
47	Intercalative Conformations of the 14 <i>R</i> (+)- and 14 <i>S</i> ( $\hat{\alpha}$ )- <i>trans-anti</i> -DB[a,l]P-N <sup>6</sup> -dA Adducts: Molecular Modeling and MD Simulations. <i>Chemical Research in Toxicology</i> , 2011, 24, 522-531.	3.3	28
48	Generation of Guanine-Thymidine Cross-Links in DNA by Peroxynitrite/Carbon Dioxide. <i>Chemical Research in Toxicology</i> , 2011, 24, 1144-1152.	3.3	40
49	Probing for DNA damage with $\hat{2}$ -hairpins: Similarities in incision efficiencies of bulky DNA adducts by prokaryotic and human nucleotide excision repair systems in vitro. <i>DNA Repair</i> , 2011, 10, 684-696.	2.8	49
50	Resistance of bulky DNA lesions to nucleotide excision repair can result from extensive aromatic lesion-base stacking interactions. <i>Nucleic Acids Research</i> , 2011, 39, 8752-8764.	14.5	62
51	Covalent Polycyclic Aromatic Hydrocarbon-DNA Adducts: Carcinogenicity, Structure, and Function. , 2011, , 181-207.		2
52	Base Sequence Context Effects on Nucleotide Excision Repair. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-9.	1.2	33
53	A Bulky DNA Lesion Derived from a Highly Potent Polycyclic Aromatic Tumorigen Stabilizes Nucleosome Core Particle Structure. <i>Biochemistry</i> , 2010, 49, 9943-9945.	2.5	17
54	Distant Neighbor Base Sequence Context Effects in Human Nucleotide Excision Repair of a Benzo[a]pyrene-derived DNA Lesion. <i>Journal of Molecular Biology</i> , 2010, 399, 397-409.	4.2	34

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55	Absolute configurations of DNA lesions determined by comparisons of experimental ECD and ORD spectra with DFT calculations. <i>Chirality</i> , 2009, 21, E231-41.	2.6	21
56	Differential Nucleotide Excision Repair Susceptibility of Bulky DNA Adducts in Different Sequence Contexts: Hierarchies of Recognition Signals. <i>Journal of Molecular Biology</i> , 2009, 385, 30-44.	4.2	48
57	The Sequence Dependence of Human Nucleotide Excision Repair Efficiencies of Benzo[a]pyrene-derived DNA Lesions: Insights into the Structural Factors that Favor Dual Incisions. <i>Journal of Molecular Biology</i> , 2009, 386, 1193-1203.	4.2	67
58	Absolute Configurations of Spiroiminodihydantoin and Allantoin Stereoisomers: Comparison of Computed and Measured Electronic Circular Dichroism Spectra. <i>Chemical Research in Toxicology</i> , 2009, 22, 1189-1193.	3.3	52
59	NMR and Computational Studies of Stereoisomeric Equine Estrogen-Derived DNA Cytidine Adducts in Oligonucleotide Duplexes: Opposite Orientations of Diastereomeric Forms. <i>Biochemistry</i> , 2009, 48, 7098-7109.	2.5	9
60	Oxidation of Guanine by Carbonate Radicals Derived from Photolysis of Carbonatotetrammincobalt(III) Complexes and the pH Dependence of Intrastrand DNA Cross-Links Mediated by Guanine Radical Reactions. <i>ChemBioChem</i> , 2008, 9, 1985-1991.	2.6	26
61	Transcription of DNA containing the 5-guanidino-4-nitroimidazole lesion by human RNA polymerase II and bacteriophage T7 RNA polymerase. <i>DNA Repair</i> , 2008, 7, 1276-1288.	2.8	15
62	Determination of Absolute Configurations of 4-Hydroxyequilenin-Cytosine and -Adenine Adducts by Optical Rotatory Dispersion, Electronic Circular Dichroism, Density Functional Theory Calculations, and Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2008, 21, 1739-1748.	3.3	9
63	Conformational Properties of Equilenin~DNA Adducts: Stereoisomer and Base Effects. <i>Chemical Research in Toxicology</i> , 2008, 21, 1064-1073.	3.3	13
64	DNA Adduct Structure~Function Relationships: Comparing Solution with Polymerase Structures. <i>Chemical Research in Toxicology</i> , 2008, 21, 45-52.	3.3	52
65	Oxidation of single-stranded oligonucleotides by carbonate radical anions: generating intrastrand cross-links between guanine and thymine bases separated by cytosines. <i>Nucleic Acids Research</i> , 2008, 36, 742-755.	14.5	76
66	Exocyclic amino groups of flanking guanines govern sequence-dependent adduct conformations and local structural distortions for minor groove-aligned benzo[a]pyrenyl-guanine lesions in a GG mutation hotspot context. <i>Nucleic Acids Research</i> , 2007, 35, 1555-1568.	14.5	32
67	Following an environmental carcinogen N2-dG adduct through replication: elucidating blockage and bypass in a high-fidelity DNA polymerase. <i>Nucleic Acids Research</i> , 2007, 35, 4275-4288.	14.5	16
68	Dynamics of a Benzo[a]pyrene-derived Guanine DNA Lesion in TGT and CGC Sequence Contexts: Enhanced Mobility in TGT Explains Conformational Heterogeneity, Flexible Bending, and Greater Susceptibility to Nucleotide Excision Repair. <i>Journal of Molecular Biology</i> , 2007, 374, 292-305.	4.2	46
69	Sequence Context- and Temperature-Dependent Nucleotide Excision Repair of a Benzo[a]pyrene Diol Epoxide-Guanine DNA Adduct Catalyzed by Thermophilic UvrABC Proteins. <i>Biochemistry</i> , 2007, 46, 7006-7015.	2.5	37
70	The human DNA repair factor XPC-HR23B distinguishes stereoisomeric benzo[a]pyrenyl-DNA lesions. <i>EMBO Journal</i> , 2007, 26, 2923-2932.	7.8	94
71	Spectroscopic Investigation of Charge Transfer in DNA. , 2006, , 175-196.		4
72	Flexible 5-Guanidino-4-nitroimidazole DNA Lesions: Structures and Thermodynamics. <i>Biochemistry</i> , 2006, 45, 6644-6655.	2.5	13

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73	Assignment of Absolute Configurations of the Enantiomeric Spiroiminodihydantoin Nucleobases by Experimental and Computational Optical Rotatory Dispersion Methods. <i>Chemical Research in Toxicology</i> , 2006, 19, 908-913.	3.3	33
74	Mechanisms of Repair of Polycyclic Aromatic Hydrocarbon-Induced DNA Damage. , 2005, , 211-258.		5
75	Structure of a High Fidelity DNA Polymerase Bound to a Benzo[a]pyrene Adduct That Blocks Replication. <i>Journal of Biological Chemistry</i> , 2005, 280, 3764-3770.	3.4	74
76	Base Selectivity and Effects of Sequence and DNA Secondary Structure on the Formation of Covalent Adducts Derived from the Equine Estrogen Metabolite 4-Hydroxyequilenin. <i>Chemical Research in Toxicology</i> , 2005, 18, 1737-1747.	3.3	29
77	Combination of Nitrogen Dioxide Radicals with 8-Oxo-7,8-dihydroguanine and Guanine Radicals in DNA:Â Oxidation and Nitration End-Products. <i>Journal of the American Chemical Society</i> , 2005, 127, 2191-2200.	13.7	60
78	Structural and Thermodynamic Features of Spiroiminodihydantoin Damaged DNA Duplexesâ€. <i>Biochemistry</i> , 2005, 44, 13342-13353.	2.5	47
79	Spiroiminodihydantoin Lesions Derived from Guanine Oxidation:â€‰ Structures, Energetics, and Functional Implications. <i>Biochemistry</i> , 2005, 44, 6043-6051.	2.5	35
80	Methylation of Cytosine at C5 in a CpG Sequence Context Causes a Conformational Switch of a Benzo[a]pyrene diol epoxide-N2-guanine Adduct in DNA from a Minor Groove Alignment to Intercalation with Base Displacement. <i>Journal of Molecular Biology</i> , 2005, 346, 951-965.	4.2	56
81	Ultrafast transient-absorption and steady-state fluorescence measurements on 2-aminopurine substituted dinucleotides and 2-aminopurine substituted DNA duplexes. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 154.	2.8	45
82	Oxidative Generation of Guanine Radicals by Carbonate Radicals and Their Reactions with Nitrogen Dioxide to Form Site Specific 5-Guanidino-4-nitroimidazole Lesions in Oligodeoxynucleotides. <i>Chemical Research in Toxicology</i> , 2003, 16, 966-973.	3.3	55
83	Conformations of Stereoisomeric Base Adducts to 4-Hydroxyequilenin. <i>Chemical Research in Toxicology</i> , 2003, 16, 695-707.	3.3	18
84	Photoinduced Oxidative DNA Damage Revealed by an Agarose Gel Nicking Assay: A Biophysical Chemistry Laboratory Experiment. <i>Journal of Chemical Education</i> , 2003, 80, 1297.	2.3	8
85	Simulating Structural and Thermodynamic Properties of Carcinogen-Damaged DNA. <i>Biophysical Journal</i> , 2003, 84, 2137-2148.	0.5	30
86	Human RNA polymerase II is partially blocked by DNA adducts derived from tumorigenic benzo[c]phenanthrene diol epoxides: relating biological consequences to conformational preferences. <i>Nucleic Acids Research</i> , 2003, 31, 6004-6015.	14.5	31
87	Role of Base Sequence Context in Conformational Equilibria and Nucleotide Excision Repair of Benzo[a]pyrene Diol Epoxideâ€™ Adenine Adducts. <i>Biochemistry</i> , 2003, 42, 2339-2354.	2.5	20
88	Relating repair susceptibility of carcinogen-damaged DNA with structural distortion and thermodynamic stability. <i>Nucleic Acids Research</i> , 2002, 30, 3422-3432.	14.5	40
89	trans-Lesion Synthesis Past Bulky Benzo[a]pyrene Diol Epoxide N2-dG and N6-dA Lesions Catalyzed by DNA Bypass Polymerases. <i>Journal of Biological Chemistry</i> , 2002, 277, 30488-30494.	3.4	180
90	Translesion Synthesis by Human DNA Polymerase Î² on a DNA Template Containing a Single Stereoisomer of dG-(+)- or dG-(â€™)-anti-N2-BPDE (7,8-Dihydroxy-anti-9,10-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene)â€. <i>Biochemistry</i> , 2002, 41, 6100-6106.	2.5	155

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91	Fluorescence Characteristics of Site-Specific and Stereochemically Distinct Benzo[a]pyrene Diol Epoxide-DNA Adducts as Probes of Adduct Conformation. <i>Chemical Research in Toxicology</i> , 2002, 15, 118-126.	3.3	21
92	Synthesis and Characterization of Site-Specific and Stereoisomeric Fjord Dibenzo[a,l]pyrene Diol Epoxide-N6-Adenine Adducts: Unusual Thermal Stabilization of Modified DNA Duplexes. <i>Chemical Research in Toxicology</i> , 2002, 15, 249-261.	3.3	42
93	Thermodynamic and structural factors in the removal of bulky DNA adducts by the nucleotide excision repair machinery. <i>Biopolymers</i> , 2002, 65, 202-210.	2.4	128
94	Trapping of DNA nucleotide excision repair factors by nonrepairable carcinogen adducts. <i>Cancer Research</i> , 2002, 62, 4229-35.	0.9	23
95	Direct Spectroscopic Observation of 8-Oxo-7,8-dihydro-2'-deoxyguanosine Radicals in Double-Stranded DNA Generated by One-Electron Oxidation at a Distance by 2-Aminopurine Radicals. <i>Journal of Physical Chemistry B</i> , 2001, 105, 586-592.	2.6	58
96	Base Sequence Dependence of in Vitro Translesional DNA Replication past a Bulky Lesion Catalyzed by the Exo-Klenow Fragment of Pol I. <i>Biochemistry</i> , 2001, 40, 6660-6669.	2.5	32
97	Impact of Site-Specific Benzo[a]Pyrene Diol Epoxide-dG Lesions at or near Single/Double-Strand DNA Junctions on DNA Bending. <i>Polycyclic Aromatic Compounds</i> , 2000, 21, 1-10.	2.6	4
98	The processing of a Benzo(a)pyrene adduct into a frameshift or a base substitution mutation requires a different set of genes in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2000, 38, 299-307.	2.5	73
99	Proton-coupled electron transfer in the oxidation of guanines by an aromatic pyrenyl radical cation in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1531-1535.	2.8	30
100	Acid-base equilibria in aqueous solutions of 2-aminopurine radical cations generated by two-photon photoionization. <i>Perkin Transactions II RSC</i> , 2000, , 271-275.	1.1	13
101	Conformational Determinants of Structures in Stereoisomeric Cis-Opened anti-Benzo[a]pyrene Diol Epoxide Adducts to Adenine in DNA. <i>Chemical Research in Toxicology</i> , 2000, 13, 811-822.	3.3	19
102	Differential Incision of Bulky Carcinogen-DNA Adducts by the UvrABC Nuclease: Comparison of Incision Rates and the Interactions of Uvr Subunits with Lesions of Different Structures. <i>Biochemistry</i> , 2000, 39, 12252-12261.	2.5	25
103	Stereochemical Origin of Opposite Orientations in DNA Adducts Derived from Enantiomeric anti-Benzo[a]pyrene Diol Epoxides with Different Tumorigenic Potentials. <i>Biochemistry</i> , 1999, 38, 2956-2968.	2.5	42
104	Total Synthesis, Mass Spectrometric Sequencing, and Stabilities of Oligonucleotide Duplexes with Singletrans-anti-BPDE-N6-dA Lesions in theN-rascodon 61 and Other Sequence Contexts. <i>Polycyclic Aromatic Compounds</i> , 1999, 17, 1-10.	2.6	14
105	Solution Structure of the (+)-cis-anti-Benzo[a]pyrene-dA ([BP]dA) Adduct Opposite dT in a DNA Duplex. <i>Biochemistry</i> , 1999, 38, 10831-10842.	2.5	39
106	Origins of Conformational Differences between Cis and Trans DNA Adducts Derived from Enantiomeric anti-Benzo[a]Pyrene Diol Epoxides. <i>Chemical Research in Toxicology</i> , 1999, 12, 597-609.	3.3	31
107	Mismatch Repair Processing of Carcinogen-DNA Adducts Triggers Apoptosis. <i>Molecular and Cellular Biology</i> , 1999, 19, 8292-8301.	2.3	115
108	Multiphoton Near-Infrared Femtosecond Laser Pulse-Induced DNA Damage With and Without the Photosensitizer Proflavine. <i>Photochemistry and Photobiology</i> , 1999, 69, 265-274.	2.5	5

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109	Photoaddition to DNA by Nonintercalated Chlorpromazine Molecules. <i>Photochemistry and Photobiology</i> , 1998, 68, 692-697.	2.5	16
110	Photoinduced electron transfer and strand cleavage in pyrenyl-DNA complexes and adducts. <i>Journal of Physical Organic Chemistry</i> , 1998, 11, 561-565.	1.9	15
111	Role of Hydrophobic Effects in the Reaction of a Polynuclear Aromatic Diol Epoxide with Oligodeoxynucleotides in Aqueous Solutions. <i>Chemical Research in Toxicology</i> , 1998, 11, 381-388.	3.3	27
112	Bending and Circularization of Site-Specific and Stereoisomeric Carcinogen-DNA Adducts. <i>Biochemistry</i> , 1998, 37, 769-778.	2.5	34
113	Mutagenic Potential of Stereoisomeric Bay Region (+)- and (âˆ™)-cis-anti-Benzo[a]pyrene Diol Epoxide-N2-2â€-deoxyguanosine Adducts in <i>Escherichia coli</i> and Simian Kidney Cells. <i>Biochemistry</i> , 1998, 37, 10164-10172.	2.5	92
114	Sequence Dependence and Characteristics of Bends Induced by Site-Specific Polynuclear Aromatic Carcinogen-Deoxyguanosine Lesions in Oligonucleotides. <i>Biochemistry</i> , 1998, 37, 4993-5000.	2.5	31
115	Photoinduced electron transfer and strand cleavage in pyrenyl-DNA complexes and adducts. <i>Journal of Physical Organic Chemistry</i> , 1998, 11, 561-565.	1.9	1
116	NMR Solution Structures of Stereoisomeric Covalent Polycyclic Aromatic Carcinogen-DNA Adducts: Principles, Patterns, and Diversity. <i>Chemical Research in Toxicology</i> , 1997, 10, 111-146.	3.3	331
117	The Major, N2-dG Adduct of (+)-anti-B[a]PDE Shows a Dramatically Different Mutagenic Specificity (Predominantly, G âˆ' A) in a 5â€-CGT-3â€ Sequence Context. <i>Biochemistry</i> , 1997, 36, 10256-10261.	2.5	82
118	Sequence Specific Mutagenesis of the Major (+)-anti-Benzo[a]pyrene Diol Epoxide-DNA Adduct at a Mutational Hot Spot in <i>Escherichia coli</i> Cells. <i>Chemical Research in Toxicology</i> , 1997, 10, 369-377.	3.3	79
119	Solution Conformation of the (âˆ™)-trans-anti-[BP]dG Adduct Opposite a Deletion Site in a DNA Duplex: Intercalation of the Covalently Attached Benzo[a]pyrene into the Helix with Base Displacement of the Modified Deoxyguanosine into the Minor Groove. <i>Biochemistry</i> , 1997, 36, 13780-13790.	2.5	34
120	Development of a Monoclonal Antibody Recognizing Benzo[c]phenanthrene diol Epoxide-DNA Adducts: Application to Immunohistochemical Detection of DNA Damage. <i>Chemical Research in Toxicology</i> , 1997, 10, 948-952.	3.3	3
121	How Stereochemistry Affects Mutagenesis by N2-Deoxyguanosine Adducts of 7,8-Dihydroxy-9,10-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene: Configuration of the Adduct Bond Is More Important Than Those of the Hydroxyl Groups. <i>Biochemistry</i> , 1997, 36, 13263-13269.	2.5	60
122	Base Sequence-Dependent Bends in Site-Specific Benzo[a]pyrene Diol Epoxide-Modified Oligonucleotide Duplexes. <i>Chemical Research in Toxicology</i> , 1996, 9, 255-261.	3.3	25
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