

Natalia Tretyakova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photocaged dicarbonyl probe provides spatiotemporal control over protein glycation. <i>Chemical Communications</i> , 2022, 58, 855-858.	4.1	3
2	UHRF2 regulates cell cycle, epigenetics and gene expression to control the timing of retinal progenitor and ganglion cell differentiation. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	7
3	Quantitative Proteogenomic Characterization of Inflamed Murine Colon Tissue Using an Integrated Discovery, Verification, and Validation Proteogenomic Workflow. <i>Proteomes</i> , 2022, 10, 11.	3.5	2
4	Small Molecule Inhibitors of TET Dioxygenases: Bobcat339 Activity Is Mediated by Contaminating Copper(II). <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 792-798.	2.8	8
5	<sc>6-phenylpyrrolocytosine</sc> as a fluorescent probe to examine nucleotide flipping catalyzed by a <sc>DNA</sc> repair protein. <i>Biopolymers</i> , 2021, 112, e23405.	2.4	3
6	Synthesis and biological evaluation of pyrrolidine-functionalized nucleoside analogs. <i>Medicinal Chemistry Research</i> , 2021, 30, 483-499.	2.4	4
7	Ethnic differences in excretion of butadiene-DNA adducts by current smokers. <i>Carcinogenesis</i> , 2021, 42, 694-704.	2.8	6
8	Novel 4-Hydroxybenzyl Adducts in Human Hemoglobin: Structures and Mechanisms of Formation. <i>Chemical Research in Toxicology</i> , 2021, 34, 1769-1781.	3.3	4
9	Translesion Synthesis Past 5-Formylcytosine-Mediated DNA-Peptide Cross-Links by hPol η Is Dependent on the Local DNA Sequence. <i>Biochemistry</i> , 2021, 60, 1797-1807.	2.5	8
10	Effects of GSTT1 Genotype on the Detoxification of 1,3-Butadiene Derived Diepoxide and Formation of Promutagenic DNA-DNA Cross-Links in Human Hapmap Cell Lines. <i>Chemical Research in Toxicology</i> , 2021, 34, 119-131.	3.3	10
11	Site-Specific 5-Formyl Cytosine Mediated DNA-Histone Cross-Links: Synthesis and Polymerase Bypass by Human DNA Polymerase δ . <i>Angewandte Chemie</i> , 2021, 133, 26693-26698.	2.0	3
12	Site-Specific 5-Formyl Cytosine Mediated DNA-Histone Cross-Links: Synthesis and Polymerase Bypass by Human DNA Polymerase δ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26489-26494.	13.8	7
13	Quantitative NanoLC/NSI+HRMS Method for 1,3-Butadiene Induced bis-N7-guanine DNA-DNA Cross-Links in Urine. <i>Toxics</i> , 2021, 9, 247.	3.7	4
14	Multi-Omics Characterization of Inflammatory Bowel Disease-Induced Hyperplasia/Dysplasia in the Rag2 $^{-/-}$ /Il10 $^{-/-}$ Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 364.	4.1	8
15	Proteome-Wide Profiling of Cellular Targets Modified by Dopamine Metabolites Using a Bio-Orthogonally Functionalized Catecholamine. <i>ACS Chemical Biology</i> , 2021, 16, 2581-2594.	3.4	12
16	Intra- and Inter-Species Variability in Urinary N7-(1-Hydroxy-3-buten-2-yl)guanine Adducts Following Inhalation Exposure to 1,3-Butadiene. <i>Chemical Research in Toxicology</i> , 2021, 34, 2375-2383.	3.3	6
17	Synthesis and polymerase bypass studies of DNA-peptide and DNA-protein conjugates. <i>Methods in Enzymology</i> , 2021, 661, 363-405.	1.0	0
18	DEB-FAPy-G Adducts of 1,3-Butadiene: Synthesis, Structural Characterization, and Formation in 1,2,3,4-Diepoxybutane Treated DNA**. <i>Chemistry - A European Journal</i> , 2021, , .	3.3	1

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19	Urinary N7-(1-hydroxy-3-buten-2-yl) guanine adducts in humans: temporal stability and association with smoking. <i>Mutagenesis</i> , 2020, 35, 19-26.	2.6	13
20	Characterizing Adduct Formation of Electrophilic Skin Allergens with Human Serum Albumin and Hemoglobin. <i>Chemical Research in Toxicology</i> , 2020, 33, 2623-2636.	3.3	13
21	Applying Tobacco, Environmental, and Dietary-Related Biomarkers to Understand Cancer Etiology and Evaluate Prevention Strategies. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1904-1919.	2.5	4
22	Effects of 2-Phenethyl Isothiocyanate on Metabolism of 1,3-Butadiene in Smokers. <i>Cancer Prevention Research</i> , 2020, 13, 91-100.	1.5	10
23	Inhalation exposure to cigarette smoke and inflammatory agents induces epigenetic changes in the lung. <i>Scientific Reports</i> , 2020, 10, 11290.	3.3	19
24	DNA epigenetic marks are linked to embryo aberrations in amphipods. <i>Scientific Reports</i> , 2020, 10, 655.	3.3	16
25	Interindividual Differences in DNA Adduct Formation and Detoxification of 1,3-Butadiene-Derived Epoxide in Human HapMap Cell Lines. <i>Chemical Research in Toxicology</i> , 2020, 33, 1698-1708.	3.3	10
26	Cross-linking of the DNA repair protein O6-alkylguanine DNA alkyltransferase to DNA in the presence of cisplatin. <i>DNA Repair</i> , 2020, 89, 102840.	2.8	5
27	Error-prone replication of a 5-formylcytosine-mediated DNA-peptide cross-link in human cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 10619-10627.	3.4	18
28	Experimental Methodologies for Detection and Mapping of Epigenetic DNA Marks. <i>Topics in Medicinal Chemistry</i> , 2019, , 487-521.	0.8	1
29	1,3-Butadiene metabolite 1,2,3,4 diepoxybutane induces DNA adducts and micronuclei but not t(9;22) translocations in human cells. <i>Chemico-Biological Interactions</i> , 2019, 312, 108797.	4.0	6
30	Transcriptional Bypass of DNA-Protein and DNA-Peptide Conjugates by T7 RNA Polymerase. <i>ACS Chemical Biology</i> , 2019, 14, 2564-2575.	3.4	17
31	Epigenetics in Toxicology. <i>Chemical Research in Toxicology</i> , 2019, 32, 793-793.	3.3	1
32	Epigenetic Changes in Alveolar Type II Lung Cells of A/J Mice Following Intranasal Treatment with Lipopolysaccharide. <i>Chemical Research in Toxicology</i> , 2019, 32, 831-839.	3.3	7
33	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
34	Sex-specific differences in genotoxic and epigenetic effects of 1,3-butadiene among mouse tissues. <i>Archives of Toxicology</i> , 2019, 93, 791-800.	4.2	13
35	Can 5-methylcytosine analogues with extended alkyl side chains guide DNA methylation?. <i>Chemical Communications</i> , 2018, 54, 1061-1064.	4.1	10
36	Mapping three guanine oxidation products along DNA following exposure to three types of reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2018, 121, 180-189.	2.9	20

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37	Oxidative cross-linking of proteins to DNA following ischemia-reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2018, 120, 89-101.	2.9	18
38	Histone tails decrease N7-methyl-2- ² -deoxyguanosine 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.	7.1	45
39	Discovery of Novel N-(4-Hydroxybenzyl)valine Hemoglobin Adducts in Human Blood. <i>Chemical Research in Toxicology</i> , 2018, 31, 1305-1314.	3.3	12
40	Maintenance DNA Methyltransferase Activity in the Presence of Oxidized Forms of 5-Methylcytosine: Structural Basis for Ten Eleven Translocation-Mediated DNA Demethylation. <i>Biochemistry</i> , 2018, 57, 6061-6069.	2.5	23
41	Epigenetics in Toxicology. <i>Chemical Research in Toxicology</i> , 2018, 31, 822-822.	3.3	1
42	Site-specific cross-linking of proteins to DNA via a new bioorthogonal approach employing oxime ligation. <i>Chemical Communications</i> , 2018, 54, 6296-6299.	4.1	15
43	N ⁶ -(2-Deoxy- ^d -erythro-pentofuranosyl)-2,6-diamino-3,4-dihydro-4-oxo-5-N-(2-hydroxy-3-butadiene)-Adducts of 1,3-Butadiene: Synthesis, Structural Identification, and Detection in Human Cells. <i>Chemical Research in Toxicology</i> , 2018, 31, 885-897.	3.3	9
44	Tobacco biomarkers and genetic/epigenetic analysis to investigate ethnic/racial differences in lung cancer risk among smokers. <i>Npj Precision Oncology</i> , 2018, 2, 17.	5.4	38
45	5-Formylcytosine mediated DNA-protein cross-links block DNA replication and induce mutations in human cells. <i>Nucleic Acids Research</i> , 2018, 46, 6455-6469.	14.5	39
46	OGT binds a conserved C-terminal domain of TET1 to regulate TET1 activity and function in development. <i>ELife</i> , 2018, 7, .	6.0	46
47	Mutagenicity of a Model DNA-Peptide Cross-Link in Human Cells: Roles of Translesion Synthesis DNA Polymerases. <i>Chemical Research in Toxicology</i> , 2017, 30, 669-677.	3.3	25
48	1,3-Butadiene-Induced Adenine DNA Adducts Are Genotoxic but Only Weakly Mutagenic When Replicated in <i>Escherichia coli</i> of Various Repair and Replication Backgrounds. <i>Chemical Research in Toxicology</i> , 2017, 30, 1230-1239.	3.3	7
49	Genetic Determinants of 1,3-Butadiene Metabolism and Detoxification in Three Populations of Smokers with Different Risks of Lung Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 1034-1042.	2.5	22
50	Mass Spectrometry Based Proteomics Study of Cisplatin-Induced DNA-Protein Cross-Linking in Human Fibrosarcoma (HT1080) Cells. <i>Chemical Research in Toxicology</i> , 2017, 30, 980-995.	3.3	35
51	Isotope Dilution nanoLC/ESI- ⁺ -HRMS ³ Quantitation of Urinary N7-(1-Hydroxy-3-buten-2-yl) Guanine Adducts in Humans and Their Use as Biomarkers of Exposure to 1,3-Butadiene. <i>Chemical Research in Toxicology</i> , 2017, 30, 678-688.	3.3	21
52	Mass Spectrometry-Based Tools to Characterize DNA-Protein Cross-Linking by Bis-Electrophiles. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 63-77.	2.5	19
53	Reversible DNA-Protein Cross-Linking at Epigenetic DNA Marks. <i>Angewandte Chemie</i> , 2017, 129, 14318-14322.	2.0	14
54	Reversible DNA-Protein Cross-Linking at Epigenetic DNA Marks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14130-14134.	13.8	71

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55	Chemical Biology of N ⁵ -Substituted Formamidopyrimidine DNA Adducts. <i>Chemical Research in Toxicology</i> , 2017, 30, 434-452.	3.3	20
56	Thymoquinone exerts potent growth-suppressive activity on leukemia through DNA hypermethylation reversal in leukemia cells. <i>Oncotarget</i> , 2017, 8, 34453-34467.	1.8	42
57	Cellular Repair of DNA–DNA Cross-Links Induced by 1,2,3,4-Diepoxybutane. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1086.	4.1	7
58	Bypass of DNA-Protein Cross-links Conjugated to the 7-Deazaguanine Position of DNA by Translesion Synthesis Polymerases. <i>Journal of Biological Chemistry</i> , 2016, 291, 23589-23603.	3.4	33
59	Base Excision Repair of N ⁶ -Deoxyadenosine Adducts of 1,3-Butadiene. <i>Biochemistry</i> , 2016, 55, 6070-6081.	2.5	3
60	Covalent DNA–Protein Cross-Linking by Phosphoramidate Mustard and Nornitrogen Mustard in Human Cells. <i>Chemical Research in Toxicology</i> , 2016, 29, 190-202.	3.3	43
61	Synthesis of DNA Oligodeoxynucleotides Containing Site-Specific 1,3-Butadiene–Deoxyadenosine Lesions. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2015, 61, 4.61.1-4.61.22.	0.5	3
62	DNA–Protein Cross-Links: Formation, Structural Identities, and Biological Outcomes. <i>Accounts of Chemical Research</i> , 2015, 48, 1631-1644.	15.6	144
63	Error-prone Translesion Synthesis Past DNA-Peptide Cross-links Conjugated to the Major Groove of DNA via C5 of Thymidine. <i>Journal of Biological Chemistry</i> , 2015, 290, 775-787.	3.4	32
64	Polymerase Bypass of N ⁶ -Deoxyadenosine Adducts Derived from Epoxide Metabolites of 1,3-Butadiene. <i>Chemical Research in Toxicology</i> , 2015, 28, 1496-1507.	3.3	17
65	High throughput HPLC–ESI ⁺ -MS/MS methodology for mercapturic acid metabolites of 1,3-butadiene: Biomarkers of exposure and bioactivation. <i>Chemico-Biological Interactions</i> , 2015, 241, 23-31.	4.0	21
66	Bis-butanediol-mercapturic acid (bis-BDMA) as a urinary biomarker of metabolic activation of butadiene to its ultimate carcinogenic species. <i>Carcinogenesis</i> , 2014, 35, 1371-1378.	2.8	18
67	Epigenetic Events Determine Tissue-Specific Toxicity of Inhalational Exposure to the Genotoxic Chemical 1,3-Butadiene in Male C57BL/6J Mice. <i>Toxicological Sciences</i> , 2014, 142, 375-384.	3.1	27
68	1,3-Butadiene Exposure and Metabolism among Japanese American, Native Hawaiian, and White Smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2240-2249.	2.5	22
69	Structure Elucidation of DNA–Protein Crosslinks by Using Reductive Desulfurization and Liquid Chromatography–Tandem Mass Spectrometry. <i>ChemBioChem</i> , 2014, 15, 353-355.	2.6	0
70	Mapping Structurally Defined Guanine Oxidation Products along DNA Duplexes: Influence of Local Sequence Context and Endogenous Cytosine Methylation. <i>Journal of the American Chemical Society</i> , 2014, 136, 4223-4235.	13.7	38
71	Major Groove Orientation of the (2S)-N ⁶ -(2-Hydroxy-3-buten-1-yl)-2- ² -deoxyadenosine DNA Adduct Induced by 1,2-Epoxy-3-butene. <i>Chemical Research in Toxicology</i> , 2014, 27, 1675-1686.	3.3	5
72	Structures of Exocyclic R- and S-N ⁶ -(2,3-Dihydroxybutan-1,4-diyloxy)-2- ² -Deoxyadenosine Adducts Induced by 1,2,3,4-Diepoxybutane. <i>Chemical Research in Toxicology</i> , 2014, 27, 805-817.	3.3	10

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73	NanoLC/ESI-MS/MS Quantitation of DNA Adducts Induced by 1,3-Butadiene. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1124-1135.	2.8	18
74	Synthesis of Site-Specific DNA-Protein Conjugates and Their Effects on DNA Replication. <i>ACS Chemical Biology</i> , 2014, 9, 1860-1868.	3.4	48
75	Synthesis of Sequence-Specific DNA-Protein Conjugates via a Reductive Amination Strategy. <i>Bioconjugate Chemistry</i> , 2013, 24, 1496-1506.	3.6	47
76	Mass Spectrometry of Structurally Modified DNA. <i>Chemical Reviews</i> , 2013, 113, 2395-2436.	47.7	112
77	Kinetics of O ⁶ -Pyridyloxobutyl-2-deoxyguanosine Repair by Human O ⁶ -alkylguanine DNA Alkyltransferase. <i>Biochemistry</i> , 2013, 52, 4075-4088.	2.5	8
78	Capillary HPLC-Accurate Mass MS/MS Quantitation of N7-(2,3,4-Trihydroxybut-1-yl)-guanine Adducts of 1,3-Butadiene in Human Leukocyte DNA. <i>Chemical Research in Toxicology</i> , 2013, 26, 1486-1497.	3.3	23
79	1,2,3,4-Diepoxybutane-Induced DNA-Protein Cross-Linking in Human Fibrosarcoma (HT1080) Cells. <i>Journal of Proteome Research</i> , 2013, 12, 2151-2164.	3.7	35
80	DNA-Reactive Protein Monoepoxides Induce Cell Death and Mutagenesis in Mammalian Cells. <i>Biochemistry</i> , 2013, 52, 3171-3181.	2.5	28
81	Translesion Synthesis across 1,N6-(2-Hydroxy-3-hydroxymethylpropan-1,3-diyl)-2-deoxyadenosine (1,N6- ³ H-MHP-dA) Adducts by Human and Archebacterial DNA Polymerases. <i>Journal of Biological Chemistry</i> , 2012, 287, 38800-38811.	3.4	17
82	NanoHPLC-nanoESI-MS/MS Quantitation of Bis-N7-Guanine DNA-DNA Cross-Links in Tissues of B6C3F1 Mice Exposed to subppm Levels of 1,3-Butadiene. <i>Analytical Chemistry</i> , 2012, 84, 1732-1739.	6.5	25
83	Quantitation of DNA Adducts by Stable Isotope Dilution Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2012, 25, 2007-2035.	3.3	97
84	Formation of cyclophosphamide specific DNA adducts in hematological diseases. <i>Pediatric Blood and Cancer</i> , 2012, 58, 708-714.	1.5	24
85	Mechlorethamine-Induced DNA-Protein Cross-Linking in Human Fibrosarcoma (HT1080) Cells. <i>Journal of Proteome Research</i> , 2011, 10, 2785-2796.	3.7	51
86	Persistence and Repair of Bifunctional DNA Adducts in Tissues of Laboratory Animals Exposed to 1,3-Butadiene by Inhalation. <i>Chemical Research in Toxicology</i> , 2011, 24, 809-817.	3.3	32
87	Mass Spectrometry Based Approach to Study the Kinetics of O ⁶ -Alkylguanine DNA Alkyltransferase-Mediated Repair of O ⁶ -Pyridyloxobutyl-2-deoxyguanosine Adducts in DNA. <i>Chemical Research in Toxicology</i> , 2011, 24, 1966-1975.	3.3	9
88	Quantitative Analysis of Trihydroxybutyl Mercapturic Acid, a Urinary Metabolite of 1,3-Butadiene, in Humans. <i>Chemical Research in Toxicology</i> , 2011, 24, 1516-1526.	3.3	22
89	1,3-Butadiene: Biomarkers and application to risk assessment. <i>Chemico-Biological Interactions</i> , 2011, 192, 150-154.	4.0	47
90	Influence of C-5 substituted cytosine and related nucleoside analogs on the formation of benzo[a]pyrene diol epoxide-dG adducts at CG base pairs of DNA. <i>Nucleic Acids Research</i> , 2011, 39, 3988-4006.	14.5	40

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91	Effects of Sequence Context on <i>O</i> ⁶ -Alkylguanine DNA Alkyltransferase Repair of <i>O</i> ⁶ -Alkyl-Deoxyguanosine Adducts. ACS Symposium Series, 2010, , 73-101.	0.5	6
92	Exocyclic Deoxyadenosine Adducts of 1,2,3,4-Diepoxybutane: Synthesis, Structural Elucidation, and Mechanistic Studies. Chemical Research in Toxicology, 2010, 23, 118-133.	3.3	34
93	Column Switching HPLC-ESI+MS/MS Methods for Quantitative Analysis of Exocyclic dA Adducts in the DNA of Laboratory Animals Exposed to 1,3-Butadiene. Chemical Research in Toxicology, 2010, 23, 808-812.	3.3	19
94	Quantitative High-Performance Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry Analysis of Bis-N ⁷ -Guanine DNA-DNA Cross-Links in White Blood Cells of Cancer Patients Receiving Cyclophosphamide Therapy. Analytical Chemistry, 2010, 82, 3650-3658.	6.5	31
95	DNA-Protein Cross-Linking by 1,2,3,4-Diepoxybutane. Journal of Proteome Research, 2010, 9, 4356-4367.	3.7	60
96	DNA Oligomers Containing Site-Specific and Stereospecific Exocyclic Deoxyadenosine Adducts of 1,2,3,4-Diepoxybutane: Synthesis, Characterization, and Effects on DNA Structure. Chemical Research in Toxicology, 2010, 23, 1556-1567.	3.3	11
97	Cytosine Methylation Effects on the Repair of O ⁶ -Methylguanines within CG Dinucleotides. Journal of Biological Chemistry, 2009, 284, 22601-22610.	3.4	15
98	Molecular Dosimetry of 1,2,3,4-Diepoxybutane-Induced DNA-DNA Cross-Links in B6C3F1 Mice and F344 Rats Exposed to 1,3-Butadiene by Inhalation. Cancer Research, 2009, 69, 2479-2486.	0.9	64
99	Density functional study of the influence of C5 cytosine substitution in base pairs with guanine. Theoretical Chemistry Accounts, 2009, 122, 179-188.	1.4	18
100	Proteomic Analysis of DNA-Protein Cross-Linking by Antitumor Nitrogen Mustards. Chemical Research in Toxicology, 2009, 22, 1151-1162.	3.3	71
101	Cross-Linking of the DNA Repair Protein <i>O</i> ⁶ -Alkylguanine DNA Alkyltransferase to DNA in the Presence of Antitumor Nitrogen Mustards. Chemical Research in Toxicology, 2008, 21, 787-795.	3.3	52
102	Quantitative High-Performance Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry Analysis of the Adenine-Guanine Cross-Links of 1,2,3,4-Diepoxybutane in Tissues of Butadiene-Exposed B6C3F1 Mice. Chemical Research in Toxicology, 2008, 21, 1163-1170.	3.3	34
103	Endogenous cytosine methylation and the formation of carcinogen-DNA adducts. Nucleic Acids Symposium Series, 2008, 52, 49-50.	0.3	15
104	HPLC-ESI+MS/MS Analysis of N ⁷ -Guanine-N ⁷ -Guanine DNA Cross-Links in Tissues of Mice Exposed to 1,3-Butadiene. Chemical Research in Toxicology, 2007, 20, 839-847.	3.3	43
105	Mutagenesis of the supF Gene by Stereoisomers of 1,2,3,4-Diepoxybutane. Chemical Research in Toxicology, 2007, 20, 790-797.	3.3	14
106	Site Specific N ⁶ -(2-Hydroxy-3,4-epoxybut-1-yl)adenine Oligodeoxynucleotide Adducts of 1,2,3,4-Diepoxybutane: Synthesis and Stability at Physiological pH. Chemical Research in Toxicology, 2007, 20, 641-649.	3.3	10
107	Spectral Differentiation and Immunoaffinity Capillary Electrophoresis Separation of Enantiomeric Benzo(a)pyrene Diol Epoxide-Derived DNA Adducts. Chemical Research in Toxicology, 2007, 20, 1192-1199.	3.3	9
108	Structural Elucidation of a Novel DNA-DNA Cross-Link of 1,2,3,4-Diepoxybutane. Chemical Research in Toxicology, 2007, 20, 284-289.	3.3	15

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109	Sequence Distribution of Acetaldehyde-Derived N2-Ethyl-dG Adducts along Duplex DNA. <i>Chemical Research in Toxicology</i> , 2007, 20, 1379-1387.	3.3	24
110	Synthesis of DNA oligodeoxynucleotides containing structurally defined N6-(2-hydroxy-3-buten-1-yl)-adenine adducts of 3,4-epoxy-1-butene. <i>Chemico-Biological Interactions</i> , 2007, 166, 104-111.	4.0	7
111	Kinetics of O6-Methyl-2â€-deoxyguanosine Repair by O6-Alkylguanine DNA Alkyltransferase within K-ras Gene-Derived DNA Sequences. <i>Chemical Research in Toxicology</i> , 2006, 19, 531-538.	3.3	18
112	The 5â€-GNC Site for DNA Interstrand Cross-Linking Is Conserved for Diepoxybutane Stereoisomers. <i>Chemical Research in Toxicology</i> , 2006, 19, 16-19.	3.3	17
113	Cross-Linking of the Human DNA Repair Protein O6-Alkylguanine DNA Alkyltransferase to DNA in the Presence of 1,2,3,4-Diepoxybutane. <i>Chemical Research in Toxicology</i> , 2006, 19, 645-654.	3.3	49
114	Quantitative analysis of the oxidative DNA lesion, 2,2-diamino-4-(2-deoxy-Î²-d-erythro-pentofuranosyl)amino]-5(2H)-oxazolone (oxazolone), in vitro and in vivo by isotope dilution-capillary HPLC-ESI-MS/MS. <i>Nucleic Acids Research</i> , 2006, 34, 5449-5460.	14.5	90
115	Stable Isotope Labelingâ€ Mass Spectrometry Analysis of Methyl- and Pyridyloxobutyl-Guanine Adducts of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone in p53-Derived DNA Sequences. <i>Biochemistry</i> , 2005, 44, 2197-2207.	2.5	29
116	A Method for Quantitating the Intracellular Metabolism of AZT Amino Acid Phosphoramidate Pronucleotides by Capillary High-Performance Liquid Chromatographyâ€ Electro spray Ionization Mass Spectrometry. <i>Molecular Pharmaceutics</i> , 2005, 2, 233-241.	4.6	14
117	Interstrand and Intrastrand DNAâ€ DNA Cross-Linking by 1,2,3,4-Diepoxybutane:â€ Role of Stereochemistry. <i>Journal of the American Chemical Society</i> , 2005, 127, 14355-14365.	13.7	63
118	Endogenous 5-Methylcytosine Protects Neighboring Guanines from N7 and O6-Methylation and O6-Pyridyloxobutylation by the Tobacco Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Biochemistry</i> , 2004, 43, 540-549.	2.5	36
119	Formation of Diastereomeric Benzo[a]pyrene Diol Epoxide-Guanine Adducts in p53 Gene-Derived DNA Sequences. <i>Chemical Research in Toxicology</i> , 2004, 17, 731-741.	3.3	51
120	Guanineâ€ Adenine DNA Cross-Linking by 1,2,3,4-Diepoxybutane:â€ Potential Basis for Biological Activity. <i>Chemical Research in Toxicology</i> , 2004, 17, 1638-1651.	3.3	43
121	Development of a Quantitative Liquid Chromatography/Electrospray Mass Spectrometric Assay for a Mutagenic Tobacco Specific Nitrosamine-Derived DNA Adduct, O6-[4-Oxo-4-(3-pyridyl)butyl]-2â€-deoxyguanosine. <i>Chemical Research in Toxicology</i> , 2004, 17, 1600-1606.	3.3	23
122	Structural Characterization of the Major DNAâ€ DNA Cross-Link of 1,2,3,4-Diepoxybutane. <i>Chemical Research in Toxicology</i> , 2004, 17, 129-136.	3.3	61
123	K-ras Gene Sequence Effects on the Formation of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)â€ DNA Adducts. <i>Chemical Research in Toxicology</i> , 2003, 16, 541-550.	3.3	41
124	3'-Exonuclease resistance of DNA oligodeoxynucleotides containing O6-[4-oxo-4-(3-pyridyl)butyl]guanine. <i>Nucleic Acids Research</i> , 2003, 31, 1984-1994.	14.5	17
125	Formation of Benzo[a]pyrene Diol Epoxideâ€ DNA Adducts at Specific Guanines within K-ras and p53 Gene Sequences:â€ Stable Isotope-Labeling Mass Spectrometry Approachâ€. <i>Biochemistry</i> , 2002, 41, 9535-9544.	2.5	81
126	Tobacco smoke carcinogens, DNA damage and p53 mutations in smoking-associated cancers. <i>Oncogene</i> , 2002, 21, 7435-7451.	5.9	961

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127	Locating Nucleobase Lesions within DNA Sequences by MALDI-TOF Mass Spectral Analysis of Exonuclease Ladders. <i>Chemical Research in Toxicology</i> , 2001, 14, 1058-1070.	3.3	39
128	Peroxynitrite-induced DNA damage in the supF gene: correlation with the mutational spectrum. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 447, 287-303.	1.0	84
129	Peroxynitrite-Induced Secondary Oxidative Lesions at Guanine Nucleobases: Chemical Stability and Recognition by the Fpg DNA Repair Enzyme. <i>Chemical Research in Toxicology</i> , 2000, 13, 658-664.	3.3	59
130	Molecular Dosimetry of N-7 Guanine Adduct Formation in Mice and Rats Exposed to 1,3-Butadiene. <i>Chemical Research in Toxicology</i> , 1999, 12, 566-574.	3.3	96
131	Peroxynitrite-Induced Reactions of Synthetic Oligonucleotides Containing 8-Oxoguanine. <i>Chemical Research in Toxicology</i> , 1999, 12, 459-466.	3.3	104
132	Adenine Adducts with Diepoxybutane: Isolation and Analysis in Exposed Calf Thymus DNA. <i>Chemical Research in Toxicology</i> , 1997, 10, 1171-1179.	3.3	65