

Natalia Tretyakova

List of Publications by Year in descending order

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136
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#	ARTICLE	IF	CITATIONS
1	Tobacco smoke carcinogens, DNA damage and p53 mutations in smoking-associated cancers. <i>Oncogene</i> , 2002, 21, 7435-7451.	5.9	961
2	DNA-Protein Cross-Links: Formation, Structural Identities, and Biological Outcomes. <i>Accounts of Chemical Research</i> , 2015, 48, 1631-1644.	15.6	144
3	Mass Spectrometry of Structurally Modified DNA. <i>Chemical Reviews</i> , 2013, 113, 2395-2436.	47.7	112
4	Peroxynitrite-Induced Reactions of Synthetic Oligonucleotides Containing 8-Oxoguanine. <i>Chemical Research in Toxicology</i> , 1999, 12, 459-466.	3.3	104
5	Quantitation of DNA Adducts by Stable Isotope Dilution Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2012, 25, 2007-2035.	3.3	97
6	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
7	Quantitative analysis of the oxidative DNA lesion, 2,2-diamino-4-(2-deoxy- β -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
8	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
9	Formation of Benzo[a]pyrene Diol Epoxide-DNA Adducts at Specific Guanines within K-ras and p53 Gene Sequences: A Stable Isotope-Labeling Mass Spectrometry Approach. <i>Biochemistry</i> , 2002, 41, 9535-9544.	2.5	81
10	Proteomic Analysis of DNA-Protein Cross-Linking by Antitumor Nitrogen Mustards. <i>Chemical Research in Toxicology</i> , 2009, 22, 1151-1162.	3.3	71
11	Reversible DNA-Protein Cross-Linking at Epigenetic DNA Marks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14130-14134.	13.8	71
12	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
13	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. <i>Cancer Research</i> , 2009, 69, 2479-2486.	0.9	64
14	Interstrand and Intrastrand DNA-DNA Cross-Linking by 1,2,3,4-Diepoxybutane: A Role of Stereochemistry. <i>Journal of the American Chemical Society</i> , 2005, 127, 14355-14365.	13.7	63
15	Structural Characterization of the Major DNA-DNA Cross-Link of 1,2,3,4-Diepoxybutane. <i>Chemical Research in Toxicology</i> , 2004, 17, 129-136.	3.3	61
16	DNA-Protein Cross-Linking by 1,2,3,4-Diepoxybutane. <i>Journal of Proteome Research</i> , 2010, 9, 4356-4367.	3.7	60
17	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
18	Cross-Linking of the DNA Repair Protein O ⁶ -Alkylguanine DNA Alkyltransferase to DNA in the Presence of Antitumor Nitrogen Mustards. <i>Chemical Research in Toxicology</i> , 2008, 21, 787-795.	3.3	52

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19	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
20	Mechlorethamine-Induced DNA-Protein Cross-Linking in Human Fibrosarcoma (HT1080) Cells. <i>Journal of Proteome Research</i> , 2011, 10, 2785-2796.	3.7	51
21	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
22	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
23	1,3-Butadiene: Biomarkers and application to risk assessment. <i>Chemico-Biological Interactions</i> , 2011, 192, 150-154.	4.0	47
24	Synthesis of Sequence-Specific DNA-Protein Conjugates via a Reductive Amination Strategy. <i>Bioconjugate Chemistry</i> , 2013, 24, 1496-1506.	3.6	47
25	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
26	Histone tails decrease N7-methyl-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
27	Guanine-Adenine DNA Cross-Linking by 1,2,3,4-Diepoxybutane: A Potential Basis for Biological Activity. <i>Chemical Research in Toxicology</i> , 2004, 17, 1638-1651.	3.3	43
28	HPLC-ESI-MS/MS Analysis of N7-Guanine-N7-Guanine DNA Cross-Links in Tissues of Mice Exposed to 1,3-Butadiene. <i>Chemical Research in Toxicology</i> , 2007, 20, 839-847.	3.3	43
29	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
30	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
31	K-ras Gene Sequence Effects on the Formation of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)-DNA Adducts. <i>Chemical Research in Toxicology</i> , 2003, 16, 541-550.	3.3	41
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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. <i>Chemical Research in Toxicology</i> , 2008, 21, 1163-1170.	3.3	34
41	Exocyclic Deoxyadenosine Adducts of 1,2,3,4-Diepoxybutane: Synthesis, Structural Elucidation, and Mechanistic Studies. <i>Chemical Research in Toxicology</i> , 2010, 23, 118-133.	3.3	34
42	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
43	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
44	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
45	Quantitative High-Performance Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry Analysis of Bis-N7-Guanine DNA-DNA Cross-Links in White Blood Cells of Cancer Patients Receiving Cyclophosphamide Therapy. <i>Analytical Chemistry</i> , 2010, 82, 3650-3658.	6.5	31
46	Stable Isotope Labeling-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
47	DNA-Reactive Protein Monoepoxides Induce Cell Death and Mutagenesis in Mammalian Cells. <i>Biochemistry</i> , 2013, 52, 3171-3181.	2.5	28
48	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
49	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
50	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
51	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
52	Formation of cyclophosphamide specific DNA adducts in hematological diseases. <i>Pediatric Blood and Cancer</i> , 2012, 58, 708-714.	1.5	24
53	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]-2-deoxyguanosine. <i>Chemical Research in Toxicology</i> , 2004, 17, 1600-1606.	3.3	23
54	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

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55	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
56	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
57	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
58	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
59	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
60	Isotope Dilution nanoLC/ESI-HRMS 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
61	Chemical Biology of N ⁵ -Substituted Formamidopyrimidine DNA Adducts. <i>Chemical Research in Toxicology</i> , 2017, 30, 434-452.	3.3	20
62	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
63	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. <i>Chemical Research in Toxicology</i> , 2010, 23, 808-812.	3.3	19
64	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
65	Inhalation exposure to cigarette smoke and inflammatory agents induces epigenetic changes in the lung. <i>Scientific Reports</i> , 2020, 10, 11290.	3.3	19
66	Kinetics of O6-Methyl-2'-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
67	Density functional study of the influence of C5 cytosine substitution in base pairs with guanine. <i>Theoretical Chemistry Accounts</i> , 2009, 122, 179-188.	1.4	18
68	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
69	NanoLC/ESI-HRMS 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
70	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
71	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
72	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

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73	The 5'-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
74	Translesion Synthesis across 1,N6-(2-Hydroxy-3-hydroxymethylpropan-1,3-diyI)-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
75	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
76	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
77	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
78	DNA epigenetic marks are linked to embryo aberrations in amphipods. <i>Scientific Reports</i> , 2020, 10, 655.	3.3	16
79	Structural Elucidation of a Novel DNA-DNA Cross-Link of 1,2,3,4-Diepoxybutane. <i>Chemical Research in Toxicology</i> , 2007, 20, 284-289.	3.3	15
80	Endogenous cytosine methylation and the formation of carcinogen carcinogen-DNA adducts. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 49-50.	0.3	15
81	Cytosine Methylation Effects on the Repair of O6-Methylguanines within CG Dinucleotides. <i>Journal of Biological Chemistry</i> , 2009, 284, 22601-22610.	3.4	15
82	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
83	A Method for Quantitating the Intracellular Metabolism of AZT Amino Acid Phosphoramidate Pronucleotides by Capillary High-Performance Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Molecular Pharmaceutics</i> , 2005, 2, 233-241.	4.6	14
84	Mutagenesis of the supF Gene by Stereoisomers of 1,2,3,4-Diepoxybutane. <i>Chemical Research in Toxicology</i> , 2007, 20, 790-797.	3.3	14
85	Reversible DNA-Protein Cross-Linking at Epigenetic DNA Marks. <i>Angewandte Chemie</i> , 2017, 129, 14318-14322.	2.0	14
86	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
87	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
88	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
89	Discovery of Novel N ⁷ -(4-Hydroxybenzyl)valine Hemoglobin Adducts in Human Blood. <i>Chemical Research in Toxicology</i> , 2018, 31, 1305-1314.	3.3	12
90	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

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91	DNA Oligomers Containing Site-Specific and Stereospecific Exocyclic Deoxyadenosine Adducts of 1,2,3,4-Diepoxybutane: Synthesis, Characterization, and Effects on DNA Structure. <i>Chemical Research in Toxicology</i> , 2010, 23, 1556-1567.	3.3	11
92	Site Specific N6-(2-Hydroxy-3,4-epoxybut-1-yl)adenine Oligodeoxynucleotide Adducts of 1,2,3,4-Diepoxybutane: Synthesis and Stability at Physiological pH. <i>Chemical Research in Toxicology</i> , 2007, 20, 641-649.	3.3	10
93	Structures of Exocyclic <i>R,R</i> - and <i>S,S</i> -N ⁶ -(2,3-Dihydroxybutan-1,4-diyl)-2-Deoxyadenosine Adducts Induced by 1,2,3,4-Diepoxybutane. <i>Chemical Research in Toxicology</i> , 2014, 27, 805-817.	3.3	10
94	Can 5-methylcytosine analogues with extended alkyl side chains guide DNA methylation?. <i>Chemical Communications</i> , 2018, 54, 1061-1064.	4.1	10
95	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
96	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
97	Effects of <i>GSTT1</i> 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
98	Spectral Differentiation and Immunoaffinity Capillary Electrophoresis Separation of Enantiomeric Benzo(a)pyrene Diol Epoxide-Derived DNA Adducts. <i>Chemical Research in Toxicology</i> , 2007, 20, 1192-1199.	3.3	9
99	Mass Spectrometry Based Approach to Study the Kinetics of O6-Alkylguanine DNA Alkyltransferase-Mediated Repair of O6-Pyridyloxobutyl-2-deoxyguanosine Adducts in DNA. <i>Chemical Research in Toxicology</i> , 2011, 24, 1966-1975.	3.3	9
100	N ⁶ -(2-Deoxy-erythro-pentofuranosyl)-2,6-diamino-3,4-dihydro-4-oxo-5-N ⁶ -(2-hydroxy-3-butylideneamino)pyrene Diol Epoxide-Derived DNA Adducts: Synthesis, Structural Identification, and Detection in Human Cells. <i>Chemical Research in Toxicology</i> , 2018, 31, 885-897.	3.3	9
101	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
102	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
103	Multi-Omics Characterization of Inflammatory Bowel Disease-Induced Hyperplasia/Dysplasia in the Rag2 ^{fl/fl} Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 364.	4.1	8
104	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
105	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
106	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
107	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
108	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

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109	Site-Specific 5-Formyl Cytosine Mediated DNA-Histone Cross-Links: Synthesis and Polymerase Bypass by Human DNA Polymerase β . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26489-26494.	13.8	7
110	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
111	Effects of Sequence Context on O^6 -Alkylguanine DNA Alkyltransferase Repair of O^6 -Alkyl-Deoxyguanosine Adducts. <i>ACS Symposium Series</i> , 2010, , 73-101.	0.5	6
112	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
113	Ethnic differences in excretion of butadiene-DNA adducts by current smokers. <i>Carcinogenesis</i> , 2021, 42, 694-704.	2.8	6
114	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
115	Major Groove Orientation of the (2S)-N6-(2-Hydroxy-3-buten-1-yl)-2-deoxyadenosine DNA Adduct Induced by 1,2-Epoxy-3-butene. <i>Chemical Research in Toxicology</i> , 2014, 27, 1675-1686.	3.3	5
116	Cross-linking of the DNA repair protein O^6 -alkylguanine DNA alkyltransferase to DNA in the presence of cisplatin. <i>DNA Repair</i> , 2020, 89, 102840.	2.8	5
117	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
118	Synthesis and biological evaluation of pyrrolidine-functionalized nucleoside analogs. <i>Medicinal Chemistry Research</i> , 2021, 30, 483-499.	2.4	4
119	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
120	Quantitative NanoLC/MSI+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
121	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
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