

Yinsheng Wang

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290
papers

8,893
citations

47
h-index

79
g-index

307
ext. papers

10,810
ext. citations

9
avg, IF

6.52
L-index

#	Paper	IF	Citations
290	5-Hydroxymethylcytosine is strongly depleted in human cancers but its levels do not correlate with IDH1 mutations. <i>Cancer Research</i> , 2011 , 71, 7360-5	10.1	352
289	An ultraviolet-radiation-independent pathway to melanoma carcinogenesis in the red hair/fair skin background. <i>Nature</i> , 2012 , 491, 449-53	50.4	337
288	NF- κ B inhibition delays DNA damage-induced senescence and aging in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2601-12	15.9	290
287	Dynamics of the human and viral m(6)A RNA methylomes during HIV-1 infection of T cells. <i>Nature Microbiology</i> , 2016 , 1, 16011	26.6	262
286	Tet-mediated formation of 5-hydroxymethylcytosine in RNA. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11582-5	16.4	201
285	Structural insight into substrate preference for TET-mediated oxidation. <i>Nature</i> , 2015 , 527, 118-22	50.4	159
284	A selective USP1-UAF1 inhibitor links deubiquitination to DNA damage responses. <i>Nature Chemical Biology</i> , 2014 , 10, 298-304	11.7	155
283	N-methyladenine DNA Modification in Glioblastoma. <i>Cell</i> , 2018 , 175, 1228-1243.e20	56.2	153
282	Bulky DNA lesions induced by reactive oxygen species. <i>Chemical Research in Toxicology</i> , 2008 , 21, 276-814		129
281	Structural basis for DNMT3A-mediated de novo DNA methylation. <i>Nature</i> , 2018 , 554, 387-391	50.4	121
280	AMPK promotes mitochondrial biogenesis and function by phosphorylating the epigenetic factors DNMT1, RBBP7, and HAT1. <i>Science Signaling</i> , 2017 , 10,	8.8	119
279	Chronic epithelial NF- κ B activation accelerates APC loss and intestinal tumor initiation through iNOS up-regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14007-12	11.5	114
278	Efficient and accurate bypass of N2-(1-carboxyethyl)-2Sdeoxyguanosine by DinB DNA polymerase in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8679-84	11.5	114
277	Quantification of 5-methylcytosine and 5-hydroxymethylcytosine in genomic DNA from hepatocellular carcinoma tissues by capillary hydrophilic-interaction liquid chromatography/quadrupole TOF mass spectrometry. <i>Clinical Chemistry</i> , 2013 , 59, 824-32	5.5	113
276	Quantitative assessment of Tet-induced oxidation products of 5-methylcytosine in cellular and tissue DNA. <i>Nucleic Acids Research</i> , 2013 , 41, 6421-9	20.1	110
275	The oxidative DNA lesions 8,5Scyclopurines accumulate with aging in a tissue-specific manner. <i>Aging Cell</i> , 2012 , 11, 714-6	9.9	104
274	Formation and genotoxicity of a guanine-cytosine intrastrand cross-link lesion in vivo. <i>Nucleic Acids Research</i> , 2007 , 35, 7118-27	20.1	99

273	Nuclear Genomic Instability and Aging. <i>Annual Review of Biochemistry</i> , 2018 , 87, 295-322	29.1	98
272	Quantification of oxidative DNA lesions in tissues of Long-Evans Cinnamon rats by capillary high-performance liquid chromatography-tandem mass spectrometry coupled with stable isotope-dilution method. <i>Analytical Chemistry</i> , 2011 , 83, 2201-9	7.8	93
271	Identification and quantification of a guanine-thymine intrastrand cross-link lesion induced by Cu(II)/H ₂ O ₂ /ascorbate. <i>Chemical Research in Toxicology</i> , 2006 , 19, 614-21	4	90
270	Identification of YTH Domain-Containing Proteins as the Readers for N1-Methyladenosine in RNA. <i>Analytical Chemistry</i> , 2018 , 90, 6380-6384	7.8	88
269	Ternary complexes of iron, amyloid-beta, and nitrilotriacetic acid: binding affinities, redox properties, and relevance to iron-induced oxidative stress in Alzheimer's disease. <i>Biochemistry</i> , 2009 , 48, 7939-47	3.2	86
268	Mass spectrometry for the assessment of the occurrence and biological consequences of DNA adducts. <i>Chemical Society Reviews</i> , 2015 , 44, 7829-54	58.5	85
267	Occurrence, Biological Consequences, and Human Health Relevance of Oxidative Stress-Induced DNA Damage. <i>Chemical Research in Toxicology</i> , 2016 , 29, 2008-2039	4	85
266	Derivatization with Girard reagent T combined with LC-MS/MS for the sensitive detection of 5-formyl-2Sdeoxyuridine in cellular DNA. <i>Analytical Chemistry</i> , 2007 , 79, 322-6	7.8	76
265	Crystal Structure of Human DNA Methyltransferase 1. <i>Journal of Molecular Biology</i> , 2015 , 427, 2520-2536	16.5	74
264	An effector from the Huanglongbing-associated pathogen targets citrus proteases. <i>Nature Communications</i> , 2018 , 9, 1718	17.4	73
263	An aged immune system drives senescence and ageing of solid organs. <i>Nature</i> , 2021 , 594, 100-105	50.4	72
262	Independent generation of 5-(2Sdeoxycytidinyl)methyl radical and the formation of a novel cross-link lesion between 5-methylcytosine and guanine. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12795-802	16.4	69
261	Quantification of oxidative single-base and intrastrand cross-link lesions in unmethylated and CpG-methylated DNA induced by Fenton-type reagents. <i>Nucleic Acids Research</i> , 2007 , 35, 4833-44	20.1	68
260	Reversible Regulation of Promoter and Enhancer Histone Landscape by DNA Methylation in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2016 , 17, 289-302	10.6	65
259	PhrA, the major photoreactivating factor in the cyanobacterium <i>Synechocystis</i> sp. strain PCC 6803 codes for a cyclobutane-pyrimidine-dimer-specific DNA photolyase. <i>Archives of Microbiology</i> , 2000 , 173, 412-7	3	63
258	High mobility group proteins and their post-translational modifications. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 1159-66	4	61
257	Spontaneous DNA damage to the nuclear genome promotes senescence, redox imbalance and aging. <i>Redox Biology</i> , 2018 , 17, 259-273	11.3	60
256	Genome-wide mapping of DNA methylation in the human malaria parasite <i>Plasmodium falciparum</i> . <i>Cell Host and Microbe</i> , 2013 , 14, 696-706	23.4	60

255	In vivo formation and in vitro replication of a guanine-thymine intrastrand cross-link lesion. <i>Biochemistry</i> , 2007 , 46, 12757-63	3.2	60
254	Quantitative analysis of DNA interstrand cross-links and monoadducts formed in human cells induced by psoralens and UVA irradiation. <i>Analytical Chemistry</i> , 2008 , 80, 8790-8	7.8	58
253	Generation of 5-(2Sdeoxycytidyl)methyl radical and the formation of intrastrand cross-link lesions in oligodeoxyribonucleotides. <i>Nucleic Acids Research</i> , 2005 , 33, 1593-603	20.1	58
252	A quantitative assay for assessing the effects of DNA lesions on transcription. <i>Nature Chemical Biology</i> , 2012 , 8, 817-22	11.7	56
251	An Allosteric Interaction Links USP7 to Deubiquitination and Chromatin Targeting of UHRF1. <i>Cell Reports</i> , 2015 , 12, 1400-6	10.6	55
250	Translesion synthesis of 8,5Scyclopurine-2Sdeoxynucleosides by DNA polymerases β and η . <i>Journal of Biological Chemistry</i> , 2013 , 288, 28548-56	5.4	55
249	LC-MS/MS for the detection of DNA interstrand cross-links formed by 8-methoxypsoralen and UVA irradiation in human cells. <i>Analytical Chemistry</i> , 2008 , 80, 2932-8	7.8	54
248	High-throughput analysis of the mutagenic and cytotoxic properties of DNA lesions by next-generation sequencing. <i>Nucleic Acids Research</i> , 2011 , 39, 5945-54	20.1	53
247	HMG modifications and nuclear function. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2010 , 1799, 28-36	6	51
246	LC-MS/MS identification and yeast polymerase eta bypass of a novel gamma-irradiation-induced intrastrand cross-link lesion G[8-5]C. <i>Biochemistry</i> , 2004 , 43, 6745-50	3.2	51
245	Site-Selective Sensing of Histone Methylation Enzyme Activity via an Arrayed Supramolecular Tandem Assay. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10964-10967	16.4	48
244	Identification of novel H ³ -methylation of CENP-B that regulates its binding to the centromeric DNA. <i>Journal of Proteome Research</i> , 2013 , 12, 4167-75	5.6	47
243	Facile formation of an intrastrand cross-link lesion between cytosine and guanine upon pyrex-filtered UV light irradiation of d((Br)CG) and duplex DNA containing 5-bromocytosine. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6552-3	16.4	47
242	A targeted quantitative proteomics strategy for global kinome profiling of cancer cells and tissues. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 1065-75	7.6	45
241	Sequence-dependent formation of intrastrand crosslink products from the UVB irradiation of duplex DNA containing a 5-bromo-2Sdeoxyuridine or 5-bromo-2Sdeoxycytidine. <i>Nucleic Acids Research</i> , 2006 , 34, 6521-9	20.1	45
240	Transcription-translation coupling: direct interactions of RNA polymerase with ribosomes and ribosomal subunits. <i>Nucleic Acids Research</i> , 2017 , 45, 11043-11055	20.1	44
239	Identification of the glucosyltransferase that converts hydroxymethyluracil to base J in the trypanosomatid genome. <i>Journal of Biological Chemistry</i> , 2014 , 289, 20273-82	5.4	44
238	Recognition and incision of oxidative intrastrand cross-link lesions by UvrABC nuclease. <i>Biochemistry</i> , 2006 , 45, 10739-46	3.2	44

237	Fragmentation of protonated ions of peptides containing cysteine, cysteine sulfinic acid, and cysteine sulfonic acid. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 697-702	3.5	44
236	The oxidation of yeast alcohol dehydrogenase-1 by hydrogen peroxide in vitro. <i>Journal of Proteome Research</i> , 2007 , 6, 216-25	5.6	43
235	Independent generation of the 5-hydroxy-5,6-dihydrothymidin-6-yl radical and its reactivity in dinucleoside monophosphates. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13287-97	16.4	43
234	CPT1A/2-Mediated FAO Enhancement-A Metabolic Target in Radioresistant Breast Cancer. <i>Frontiers in Oncology</i> , 2019 , 9, 1201	5.3	43
233	Simultaneous Quantification of Methylated Cytidine and Adenosine in Cellular and Tissue RNA by Nano-Flow Liquid Chromatography-Tandem Mass Spectrometry Coupled with the Stable Isotope-Dilution Method. <i>Analytical Chemistry</i> , 2015 , 87, 7653-9	7.8	42
232	Effects of Tet-induced oxidation products of 5-methylcytosine on Dnmt1- and DNMT3a-mediated cytosine methylation. <i>Molecular BioSystems</i> , 2014 , 10, 1749-52		42
231	Chemical Analysis of DNA Damage. <i>Analytical Chemistry</i> , 2018 , 90, 556-576	7.8	41
230	The roles of DNA polymerases β and γ in the error-free bypass of N2-carboxyalkyl-2-deoxyguanosine lesions in mammalian cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 17503-11	5.4	41
229	Arsenite Targets the Zinc Finger Domains of Tet Proteins and Inhibits Tet-Mediated Oxidation of 5-Methylcytosine. <i>Environmental Science & Technology</i> , 2015 , 49, 11923-31	10.3	40
228	Nuclease P1 digestion combined with tandem mass spectrometry for the structure determination of DNA photoproducts. <i>Chemical Research in Toxicology</i> , 1999 , 12, 1077-82	4	40
227	Cross-talk between the H3K36me3 and H4K16ac histone epigenetic marks in DNA double-strand break repair. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11951-11959	5.4	39
226	Molecular Mechanisms of Arsenic-Induced Disruption of DNA Repair. <i>Chemical Research in Toxicology</i> , 2020 , 33, 709-726	4	38
225	Efficient formation of the tandem thymine glycol/8-oxo-7,8-dihydroguanine lesion in isolated DNA and the mutagenic and cytotoxic properties of the tandem lesions in Escherichia coli cells. <i>Chemical Research in Toxicology</i> , 2010 , 23, 11-9	4	38
224	Formation of intrastrand cross-link products between cytosine and adenine from UV irradiation of d((Br)CA) and duplex DNA containing a 5-bromocytosine. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13969-77	16.4	38
223	Chemical structure and properties of interstrand cross-links formed by reaction of guanine residues with abasic sites in duplex DNA. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3933-45	16.4	37
222	EN-methylation of damaged DNA-binding protein 2 (DDB2) and its function in nucleotide excision repair. <i>Journal of Biological Chemistry</i> , 2014 , 289, 16046-56	5.4	37
221	RNA-binding proteins contribute to small RNA loading in plant extracellular vesicles. <i>Nature Plants</i> , 2021 , 7, 342-352	11.5	36
220	Tandem mass spectrometry for the examination of the posttranslational modifications of high-mobility group A1 proteins: symmetric and asymmetric dimethylation of Arg25 in HMGA1a protein. <i>Biochemistry</i> , 2005 , 44, 6293-301	3.2	35

219	Tris(1,3-dichloro-2-propyl)phosphate Induces Genome-Wide Hypomethylation within Early Zebrafish Embryos. <i>Environmental Science & Technology</i> , 2016 , 50, 10255-63	10.3	33
218	Endogenous formation and repair of oxidatively induced G[8-5 m]T intrastrand cross-link lesion. <i>Nucleic Acids Research</i> , 2012 , 40, 7368-74	20.1	33
217	A mass spectrometric study on the in vitro methylation of HMGA1a and HMGA1b proteins by PRMTs: methylation specificity, the effect of binding to AT-rich duplex DNA, and the effect of C-terminal phosphorylation. <i>Biochemistry</i> , 2007 , 46, 7896-906	3.2	33
216	Identification of SLIRP as a G Quadruplex-Binding Protein. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12426-12429	16.4	32
215	Chemical and structural characterization of interstrand cross-links formed between abasic sites and adenine residues in duplex DNA. <i>Nucleic Acids Research</i> , 2015 , 43, 3434-41	20.1	32
214	Collisionally activated dissociation of protonated 2Sdeoxycytidine, 2Sdeoxyuridine, and their oxidatively damaged derivatives. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 1335-1341	3.5	32
213	Arsenite binds to the RING finger domains of RNF20-RNF40 histone E3 ubiquitin ligase and inhibits DNA double-strand break repair. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12884-7	16.4	31
212	Mutagenic and cytotoxic properties of 6-thioguanine, S6-methylthioguanine, and guanine-S6-sulfonic acid. <i>Journal of Biological Chemistry</i> , 2008 , 283, 23665-70	5.4	31
211	UVB-Induced formation of intrastrand cross-link products of DNA in MCF-7 cells treated with 5-bromo-2Sdeoxyuridine. <i>Biochemistry</i> , 2007 , 46, 8189-95	3.2	31
210	Differentiation of isomeric photomodified oligodeoxynucleotides by fragmentation of ions produced by matrix-assisted laser desorption ionization and electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 1999 , 10, 329-38	3.5	31
209	METTL3 regulates viral m6A RNA modification and host cell innate immune responses during SARS-CoV-2 infection. <i>Cell Reports</i> , 2021 , 35, 109091	10.6	31
208	Quantitative proteomic analysis reveals the perturbation of multiple cellular pathways in HL-60 cells induced by arsenite treatment. <i>Journal of Proteome Research</i> , 2010 , 9, 1129-37	5.6	30
207	Comprehensive Assessment of Oxidatively Induced Modifications of DNA in a Rat Model of Human Wilson's Disease. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 810-7	7.6	29
206	Translesion synthesis of O4-alkylthymidine lesions in human cells. <i>Nucleic Acids Research</i> , 2016 , 44, 9256-9265	22.65	29
205	6-Thioguanine and S6-methylthioguanine are mutagenic in human cells. <i>ACS Chemical Biology</i> , 2010 , 5, 1021-7	4.9	28
204	Thermodynamic and in vitro replication studies of an intrastrand G[8-5]C cross-link lesion. <i>Biochemistry</i> , 2005 , 44, 8883-9	3.2	28
203	Fragmentation of electrospray-produced oligodeoxynucleotide ions adducted to metal ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 550-6	3.5	28
202	HPLC isolation and mass spectrometric characterization of two isomers of thymine glycols in oligodeoxynucleotides. <i>Chemical Research in Toxicology</i> , 2002 , 15, 671-6	4	28

201	mA-RNA Demethylase FTO Inhibitors Impair Self-Renewal in Glioblastoma Stem Cells. <i>ACS Chemical Biology</i> , 2021 , 16, 324-333	4.9	28
200	Pyruvate kinase M2 regulates homologous recombination-mediated DNA double-strand break repair. <i>Cell Research</i> , 2018 , 28, 1090-1102	24.7	28
199	Profiling global kinome signatures of the radioresistant MCF-7/C6 breast cancer cells using MRM-based targeted proteomics. <i>Journal of Proteome Research</i> , 2015 , 14, 193-201	5.6	27
198	Syntheses and characterizations of the in vivo replicative bypass and mutagenic properties of the minor-groove O2-alkylthymidine lesions. <i>Nucleic Acids Research</i> , 2014 , 42, 10529-37	20.1	27
197	Adenylate Kinase 4 Modulates the Resistance of Breast Cancer Cells to Tamoxifen through an mA-Based Epitranscriptomic Mechanism. <i>Molecular Therapy</i> , 2020 , 28, 2593-2604	11.7	27
196	Facile Discovery of Cell-Surface Protein Targets of Cancer Cell Aptamers. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 2692-700	7.6	26
195	AMP-Activated Protein Kinase and Sirtuin 1 Coregulation of Cortactin Contributes to Endothelial Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 2358-2368	9.4	26
194	Position-dependent effects of regioisomeric methylated adenine and guanine ribonucleosides on translation. <i>Nucleic Acids Research</i> , 2017 , 45, 9059-9067	20.1	26
193	A role for the base excision repair enzyme NEIL3 in replication-dependent repair of interstrand DNA cross-links derived from psoralen and abasic sites. <i>DNA Repair</i> , 2017 , 52, 1-11	4.3	25
192	A quantitative study on the in vitro and in vivo acetylation of high mobility group A1 proteins. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1569-78	3.5	25
191	Stereospecific synthesis and characterization of oligodeoxyribonucleotides containing an N2-(1-carboxyethyl)-2Sdeoxyguanosine. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12123-30	16.4	25
190	Structure elucidation of DNA interstrand cross-link by a combination of nuclease P1 digestion with mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 6306-13	7.8	25
189	Further studies on the fragmentation of protonated ions of peptides containing aspartic acid, glutamic acid, cysteine sulfinic acid, and cysteine sulfonic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 23-30	2.2	25
188	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. <i>Nature Cell Biology</i> , 2021 , 23, 424-436	23.4	25
187	Photocatalytic degradation of norfloxacin on different TiO ₂ polymorphs under visible light in water. <i>RSC Advances</i> , 2017 , 7, 45721-45732	3.7	24
186	Dysregulation of DAF-16/FOXO3A-mediated stress responses accelerates oxidative DNA damage induced aging. <i>Redox Biology</i> , 2018 , 18, 191-199	11.3	24
185	6-Thioguanine perturbs cytosine methylation at the CpG dinucleotide site by DNA methyltransferases in vitro and acts as a DNA demethylating agent in vivo. <i>Biochemistry</i> , 2009 , 48, 2290-9 ²	3.2	24
184	Homeodomain-interacting protein kinase-2 (HIPK2) phosphorylates HMGA1a at Ser-35, Thr-52, and Thr-77 and modulates its DNA binding affinity. <i>Journal of Proteome Research</i> , 2007 , 6, 4711-9	5.6	24

183	Proteome-wide discovery and characterizations of nucleotide-binding proteins with affinity-labeled chemical probes. <i>Analytical Chemistry</i> , 2013 , 85, 3198-206	7.8	23
182	Isotope-coded ATP probe for quantitative affinity profiling of ATP-binding proteins. <i>Analytical Chemistry</i> , 2013 , 85, 7478-86	7.8	23
181	Detection of oxidation products of 5-methyl-2Sdeoxycytidine in Arabidopsis DNA. <i>PLoS ONE</i> , 2013 , 8, e84620	3.7	23
180	Probing adenosine nucleotide-binding proteins with an affinity-labeled nucleotide probe and mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 5547-56	7.8	23
179	Mutagenic and cytotoxic properties of oxidation products of 5-methylcytosine revealed by next-generation sequencing. <i>PLoS ONE</i> , 2013 , 8, e72993	3.7	23
178	N-methyladenine in DNA antagonizes SATB1 in early development. <i>Nature</i> , 2020 , 583, 625-630	50.4	23
177	A novel malic acid-enhanced method for the analysis of 5-methyl-2Sdeoxycytidine, 5-hydroxymethyl-2Sdeoxycytidine, 5-methylcytidine and 5-hydroxymethylcytidine in human urine using hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2018 , 1034, 110-118	6.6	23
176	The melanoma-linked "redhead" MC1R influences dopaminergic neuron survival. <i>Annals of Neurology</i> , 2017 , 81, 395-406	9.4	22
175	Methyl group migration during the fragmentation of singly charged ions of trimethyllysine-containing peptides: precaution of using MS/MS of singly charged ions for interrogating peptide methylation. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1172-81	3.5	22
174	Isolation and mass spectrometric characterization of dimeric adenine photoproducts in oligodeoxynucleotides. <i>Chemical Research in Toxicology</i> , 2001 , 14, 738-45	4	22
173	YY1 interacts with guanine quadruplexes to regulate DNA looping and gene expression. <i>Nature Chemical Biology</i> , 2021 , 17, 161-168	11.7	22
172	A Targeted Proteomic Approach for Heat Shock Proteins Reveals DNAJB4 as a Suppressor for Melanoma Metastasis. <i>Analytical Chemistry</i> , 2018 , 90, 6835-6842	7.8	21
171	Simultaneous sequencing of oxidized methylcytosines produced by TET/JBP dioxygenases in <i>Coprinopsis cinerea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5149-58	11.5	21
170	In vitro replication and repair studies of tandem lesions containing neighboring thymidine glycol and 8-oxo-7,8-dihydro-2Sdeoxyguanosine. <i>Chemical Research in Toxicology</i> , 2009 , 22, 574-83	4	21
169	5-Aza-2Sdeoxycytidine induced growth inhibition of leukemia cells through modulating endogenous cholesterol biosynthesis. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.016915	7.6	21
168	A method to determine the ionization efficiency change of peptides caused by phosphorylation. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1973-6	3.5	21
167	The reactivity of the 5-hydroxy-5,6-dihydrothymidin-6-yl radical in oligodeoxyribonucleotides. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1897-906	4	21
166	Identification and characterization of a novel cross-link lesion in d(CpC) upon 365-nm irradiation in the presence of 2-methyl-1,4-naphthoquinone. <i>Nucleic Acids Research</i> , 2003 , 31, 5413-24	20.1	21

165	YTHDF2 Binds to 5-Methylcytosine in RNA and Modulates the Maturation of Ribosomal RNA. <i>Analytical Chemistry</i> , 2020 , 92, 1346-1354	7.8	21
164	Human DNA polymerase β has reverse transcriptase activity in cellular environments. <i>Journal of Biological Chemistry</i> , 2019 , 294, 6073-6081	5.4	20
163	Cytotoxic and mutagenic properties of O4-alkylthymidine lesions in Escherichia coli cells. <i>Nucleic Acids Research</i> , 2015 , 43, 10795-803	20.1	20
162	Liquid Chromatography-Tandem Mass Spectrometry for the Quantification of Tobacco-Specific Nitrosamine-Induced DNA Adducts in Mammalian Cells. <i>Analytical Chemistry</i> , 2017 , 89, 9124-9130	7.8	20
161	Conformation-dependent formation of the G[8-5]U intrastrand cross-link in 5-bromouracil-containing G-quadruplex DNA induced by UVA irradiation. <i>Biochemistry</i> , 2010 , 49, 2346-50 ^{3.2}		20
160	Kinetics of deamination and Cu(II)/H ₂ O ₂ /Ascorbate-induced formation of 5-methylcytosine glycol at CpG sites in duplex DNA. <i>Nucleic Acids Research</i> , 2009 , 37, 6635-43	20.1	20
159	Impact of tobacco-specific nitrosamine-derived DNA adducts on the efficiency and fidelity of DNA replication in human cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 11100-11108	5.4	20
158	Interstrand cross-links arising from strand breaks at true abasic sites in duplex DNA. <i>Nucleic Acids Research</i> , 2017 , 45, 6275-6283	20.1	19
157	Genome-wide mapping of 5-hydroxymethylcytosine in three rice cultivars reveals its preferential localization in transcriptionally silent transposable element genes. <i>Journal of Experimental Botany</i> , 2015 , 66, 6651-63	7	19
156	A High-Throughput Targeted Proteomic Approach for Comprehensive Profiling of Methylglyoxal-Induced Perturbations of the Human Kinome. <i>Analytical Chemistry</i> , 2016 , 88, 9773-9779	7.8	19
155	Mechanism of DNA alkylation-induced transcriptional stalling, lesion bypass, and mutagenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7082-E7091 ^{11.5}		19
154	Quantification of N ² -carboxymethyl-2Sdeoxyguanosine in calf thymus DNA and cultured human kidney epithelial cells by capillary high-performance liquid chromatography-tandem mass spectrometry coupled with stable isotope dilution method. <i>Chemical Research in Toxicology</i> , 2010 , 23, 74-81	4	19
153	Effects of 6-thioguanine and S6-methylthioguanine on transcription in vitro and in human cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40915-23	5.4	19
152	Arsenite Targets the RING Finger Domain of Rbx1 E3 Ubiquitin Ligase to Inhibit Proteasome-Mediated Degradation of Nrf2. <i>Chemical Research in Toxicology</i> , 2018 , 31, 380-387	4	18
151	Cytotoxic and mutagenic properties of regioisomeric O ⁶ , N ³ - and O ⁶ ethylthymidines in bacterial cells. <i>Carcinogenesis</i> , 2014 , 35, 2002-6	4.6	18
150	LC-MS/MS coupled with stable isotope dilution method for the quantification of 6-thioguanine and S(6)-methylthioguanine in genomic DNA of human cancer cells treated with 6-thioguanine. <i>Analytical Chemistry</i> , 2010 , 82, 5797-803	7.8	18
149	Chemical synthesis of oligodeoxyribonucleotides containing N ³ - and O ⁴ -carboxymethylthymidine and their formation in DNA. <i>Nucleic Acids Research</i> , 2009 , 37, 336-45	20.1	18
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