

# Yinsheng Wang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/270318/yinsheng-wang-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Targeted Profiling of Epitranscriptomic Reader, Writer, and Eraser Proteins Accompanied with Radioresistance in Breast Cancer Cells.. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	3
289	Mass spectrometry for human kinome analysis <b>2022</b> , 191-216		0
288	Parallel-reaction monitoring revealed altered expression of a number of epitranscriptomic reader, writer and eraser proteins accompanied with colorectal cancer metastasis.. <i>Proteomics</i> , <b>2022</b> , e2200059	4.8	2
287	Quantitative proteomics revealed new functions of ALKBH4.. <i>Proteomics</i> , <b>2021</b> , e2100231	4.8	
286	G3BP1 binds to guanine quadruplexes in mRNAs to modulate their stabilities. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 11323-11336	20.1	1
285	Targeted Quantitative Profiling of GTP-Binding Proteins Associated with Metastasis of Melanoma Cells. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 5189-5195	5.6	
284	Targeted Proteomic Analysis Revealed Kinome Reprogramming during Acquisition of Radioresistance in Breast Cancer Cells. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 2830-2838	5.6	3
283	Interstrand Cross-Link Formation Involving Reaction of a Mispaiored Cytosine Residue with an Abasic Site in Duplex DNA. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 1124-1132	4	4
282	Modulation of N-terminal methyltransferase 1 by an N-methyladenosine-based epitranscriptomic mechanism. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 546, 54-58	3.4	4
281	PANDORA-seq expands the repertoire of regulatory small RNAs by overcoming RNA modifications. <i>Nature Cell Biology</i> , <b>2021</b> , 23, 424-436	23.4	25
280	Quantitative Proteomic Analysis Revealed Broad Roles of -Methyladenosine in Heat Shock Response. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 3611-3620	5.6	0
279	METTL3 regulates viral m6A RNA modification and host cell innate immune responses during SARS-CoV-2 infection. <i>Cell Reports</i> , <b>2021</b> , 35, 109091	10.6	31
278	An aged immune system drives senescence and ageing of solid organs. <i>Nature</i> , <b>2021</b> , 594, 100-105	50.4	72
277	Chemoproteomic Approach toward Probing the Interactomes of Perfluoroalkyl Substances. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9634-9639	7.8	2
276	GLOBAL AND TARGETED PROFILING OF GTP-BINDING PROTEINS IN BIOLOGICAL SAMPLES BY MASS SPECTROMETRY. <i>Mass Spectrometry Reviews</i> , <b>2021</b> , 40, 215-235	11	6
275	YY1 interacts with guanine quadruplexes to regulate DNA looping and gene expression. <i>Nature Chemical Biology</i> , <b>2021</b> , 17, 161-168	11.7	22
274	Mitochondrial Transcription Factor A Binds to and Promotes Mutagenic Transcriptional Bypass of -Alkylthymidine Lesions. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 1161-1169	7.8	1

273	mA-RNA Demethylase FTO Inhibitors Impair Self-Renewal in Glioblastoma Stem Cells. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 324-333	4.9	28
272	DNA Polymerase II Supports the Replicative Bypass of -Alkyl-2Sdeoxyguanosine Lesions in Cells. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 695-698	4	
271	The proximal proteome of 17 SARS-CoV-2 proteins links to disrupted antiviral signaling and host translation <b>2021</b> ,		2
270	RNA-binding proteins contribute to small RNA loading in plant extracellular vesicles. <i>Nature Plants</i> , <b>2021</b> , 7, 342-352	11.5	36
269	ATF3 Modulates the Resistance of Breast Cancer Cells to Tamoxifen through an -Methyladenosine-Based Epitranscriptomic Mechanism. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 1814-1821	4.821	1
268	Proteome-Wide Characterizations of -Methyl-Adenosine Triphosphate- and -Furfuryl-Adenosine Triphosphate-Binding Capabilities of Kinases. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13251-13259	7.8	0
267	A Quantitative Proteomic Approach for the Identification of DNA Guanine Quadruplex-Binding Proteins. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 4919-4924	5.6	0
266	Targeting chaperon protein HSP70 as a novel therapeutic strategy for FLT3-ITD-positive acute myeloid leukemia. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 334	21	2
265	HIV reprograms host mAm RNA methylome by viral Vpr protein-mediated degradation of PCIF1. <i>Nature Communications</i> , <b>2021</b> , 12, 5543	17.4	3
264	DNA Polymerase II Promotes the Transcriptional Bypass of -Alkyl-2Sdeoxyguanosine Adducts in Human Cells. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 16197-16205	16.4	0
263	The proximal proteome of 17 SARS-CoV-2 proteins links to disrupted antiviral signaling and host translation. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009412	7.6	6
262	HILIC-MS/MS for the Determination of Methylated Adenine Nucleosides in Human Urine.. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 17060-17068	7.8	1
261	Chemical Proteomic Profiling of the Interacting Proteins of Isoprenoid Pyrophosphates. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 8031-8036	7.8	2
260	Arsenic Exposure and Compromised Protein Quality Control. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 1594-1604	4	12
259	Proteome-wide Interrogation of Small GTPases Regulated by -Methyladenosine Modulators. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10145-10152	7.8	7
258	Discovery of TBC1D7 as a Potential Driver for Melanoma Cell Invasion. <i>Proteomics</i> , <b>2020</b> , 20, e1900347	4.8	3
257	Normalized retention time for scheduled liquid chromatography-multistage mass spectrometry analysis of epitranscriptomic modifications. <i>Journal of Chromatography A</i> , <b>2020</b> , 1623, 461181	4.5	2
256	Collision-Induced Dissociation Studies of Protonated Ions of Alkylated Thymidine and 2SDeoxyguanosine. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 927-937	3.5	

255	Ada protein- and sequence context-dependent mutagenesis of alkyl phosphotriester lesions in cells. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 8775-8783	5.4	1
254	-Acetyl-cysteine and Mechanisms Involved in Resolution of Chronic Wound Biofilm. <i>Journal of Diabetes Research</i> , <b>2020</b> , 2020, 9589507	3.9	6
253	A Targeted Quantitative Proteomic Method Revealed a Substantial Reprogramming of Kinome during Melanoma Metastasis. <i>Scientific Reports</i> , <b>2020</b> , 10, 2485	4.9	4
252	Molecular Mechanisms of Arsenic-Induced Disruption of DNA Repair. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 709-726	4	38
251	Replication of Pyridyloxobutyl Phosphotriester Lesions in Cells. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 308-311	4	1
250	The roles of polymerases $\beta$ and $\eta$ in replicative bypass of - and -alkyl-2-deoxyguanosine lesions in human cells. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 4556-4562	5.4	4
249	Arsenite Binds to ZNF598 to Perturb Ribosome-Associated Protein Quality Control. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 1644-1652	4	3
248	YTHDF2 Binds to 5-Methylcytosine in RNA and Modulates the Maturation of Ribosomal RNA. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1346-1354	7.8	21
247	Low-Level Saturated Fatty Acid Palmitate Benefits Liver Cells by Boosting Mitochondrial Metabolism via CDK1-SIRT3-CPT2 Cascade. <i>Developmental Cell</i> , <b>2020</b> , 52, 196-209.e9	10.2	16
246	Adenylate Kinase 4 Modulates the Resistance of Breast Cancer Cells to Tamoxifen through an mA-Based Epitranscriptomic Mechanism. <i>Molecular Therapy</i> , <b>2020</b> , 28, 2593-2604	11.7	27
245	N-methyladenine in DNA antagonizes SATB1 in early development. <i>Nature</i> , <b>2020</b> , 583, 625-630	50.4	23
244	VEZF1-guanine quadruplex DNA interaction regulates alternative polyadenylation and de tyrosinase activity of VASH1. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 11994-12003	20.1	3
243	Associations of smoking and air pollution with peripheral blood RNA N-methyladenosine in the Beijing truck driver air pollution study. <i>Environment International</i> , <b>2020</b> , 144, 106021	12.9	9
242	Detection and Discrimination of DNA Adducts Differing in Size, Regiochemistry, and Functional Group by Nanopore Sequencing. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 2944-2952	4	7
241	Targeted Proteomic Analysis of Small GTPases in Murine Adipogenesis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 6756-6763	7.8	3
240	Targeted Quantitative Proteomic Approach for High-Throughput Quantitative Profiling of Small GTPases in Brain Tissues of Alzheimer's Disease Patients. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12307-12314	7.8	5
239	High-Throughput Targeted Quantitative Analysis of the Interaction between HSP90 and Kinases. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11507-11509	7.8	4
238	Targeted Quantitative Proteomics Revealed Arsenite-induced Proteasomal Degradation of RhoB in Fibroblast Cells. <i>Chemical Research in Toxicology</i> , <b>2019</b> , 32, 1343-1350	4	1

237	Parallel-Reaction-Monitoring-Based Proteome-Wide Profiling of Differential Kinase Protein Expression during Prostate Cancer Metastasis in Vitro. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 9893-9900	7.8	15
236	Repair and translesion synthesis of -alkylguanine DNA lesions in human cells. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 11144-11153	5.4	13
235	Interstrand DNA Cross-Links Derived from Reaction of a 2-Aminopurine Residue with an Abasic Site. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1481-1489	4.9	9
234	Preparation and Purification of Oligodeoxynucleotide Duplexes Containing a Site-Specific, Reduced, Chemically Stable Covalent Interstrand Cross-Link Between a Guanine Residue and an Abasic Site. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1973, 163-175	1.4	6
233	Quantitative Interrogation of the Human Kinome Perturbed by Two BRAF Inhibitors. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 2624-2631	5.6	11
232	Location analysis of 8-oxo-7,8-dihydroguanine in DNA by polymerase-mediated differential coding. <i>Chemical Science</i> , <b>2019</b> , 10, 4272-4281	9.4	8
231	Human DNA polymerase $\beta$ has reverse transcriptase activity in cellular environments. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 6073-6081	5.4	20
230	Targeted Quantitative Kinome Analysis Identifies PRPS2 as a Promoter for Colorectal Cancer Metastasis. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 2279-2286	5.6	12
229	Targeted Quantitative Proteomic Approach for Probing Altered Protein Expression of Small GTPases Associated with Colorectal Cancer Metastasis. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 6233-6241	7.8	11
228	DNA replication studies of -nitroso compound-induced -alkyl-2Sdeoxyguanosine lesions in. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 3899-3908	5.4	6
227	Cytotoxic and Mutagenic Properties of C1Sand C3SEpimeric Lesions of 2SDeoxyribonucleosides in Human Cells. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 478-485	4.9	1
226	HSP90 inhibitors stimulate DNAJB4 protein expression through a mechanism involving N-methyladenosine. <i>Nature Communications</i> , <b>2019</b> , 10, 3613	17.4	15
225	The Impact of Minor-Groove -Alkyl-2Sdeoxyguanosine Lesions on DNA Replication in Human Cells. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1708-1716	4.9	7
224	SLIRP Interacts with Helicases to Facilitate 2S-Methylation of rRNA and to Promote Translation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10958-10961	16.4	5
223	Elevated Hexokinase II Expression Confers Acquired Resistance to 4-Hydroxytamoxifen in Breast Cancer Cells. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, 2273-2284	7.6	13
222	Quantification of DNA Lesions Induced by 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol in Mammalian Cells. <i>Chemical Research in Toxicology</i> , <b>2019</b> , 32, 708-717	4	8
221	Dual regulation of Arabidopsis AGO2 by arginine methylation. <i>Nature Communications</i> , <b>2019</b> , 10, 844	17.4	10
220	Imatinib-Induced Changes in Protein Expression and ATP-Binding Affinities of Kinases in Chronic Myelocytic Leukemia Cells. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3209-3214	7.8	16

219	A DNA aptamer for binding and inhibition of DNA methyltransferase 1. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 11527-11537	20.1	8
218	Chemical Proteomic Profiling of Lysophosphatidic Acid-Binding Proteins. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15365-15369	7.8	3
217	CPT1A/2-Mediated FAO Enhancement-A Metabolic Target in Radioresistant Breast Cancer. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 1201	5.3	43
216	Targeted Profiling of Heat Shock Proteome in Radioresistant Breast Cancer Cells. <i>Chemical Research in Toxicology</i> , <b>2019</b> , 32, 326-332	4	7
215	Integrated Genomic and Proteomic Analyses Reveal Novel Mechanisms of the Methyltransferase SETD2 in Renal Cell Carcinoma Development. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, 437-447	7.6	9
214	Cytotoxic and mutagenic properties of alkyl phosphotriester lesions in Escherichia coli cells. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 4013-4021	20.1	12
213	Cytotoxic and mutagenic properties of minor-groove -alkylthymidine lesions in human cells. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 8638-8644	5.4	12
212	Spontaneous DNA damage to the nuclear genome promotes senescence, redox imbalance and aging. <i>Redox Biology</i> , <b>2018</b> , 17, 259-273	11.3	60
211	Arsenite Targets the RING Finger Domain of Rbx1 E3 Ubiquitin Ligase to Inhibit Proteasome-Mediated Degradation of Nrf2. <i>Chemical Research in Toxicology</i> , <b>2018</b> , 31, 380-387	4	18
210	Structural basis for DNMT3A-mediated de novo DNA methylation. <i>Nature</i> , <b>2018</b> , 554, 387-391	50.4	121
209	A Targeted Proteomic Approach for Heat Shock Proteins Reveals DNAJB4 as a Suppressor for Melanoma Metastasis. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6835-6842	7.8	21
208	An effector from the Huanglongbing-associated pathogen targets citrus proteases. <i>Nature Communications</i> , <b>2018</b> , 9, 1718	17.4	73
207	Chemical Analysis of DNA Damage. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 556-576	7.8	41
206	Dysregulation of DAF-16/FOXO3A-mediated stress responses accelerates oxidative DNA damage induced aging. <i>Redox Biology</i> , <b>2018</b> , 18, 191-199	11.3	24
205	A Targeted Quantitative Proteomic Approach Assesses the Reprogramming of Small GTPases during Melanoma Metastasis. <i>Cancer Research</i> , <b>2018</b> , 78, 5431-5445	10.1	14
204	Cytotoxic and mutagenic properties of -alkyl-2Sdeoxyguanosine lesions in cells. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 15033-15042	5.4	6
203	Nuclear Genomic Instability and Aging. <i>Annual Review of Biochemistry</i> , <b>2018</b> , 87, 295-322	29.1	98
202	Evidence for direct interaction between RNA polymerase and the small ribosomal subunit.. <i>FASEB Journal</i> , <b>2018</b> , 32, 526.24	0.9	



201	Targeted Quantitative Profiling of GTP-Binding Proteins in Cancer Cells Using Isotope-Coded GTP Probes. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 14339-14346	7.8	11
200	Roles of Small GTPases in Acquired Tamoxifen Resistance in MCF-7 Cells Revealed by Targeted, Quantitative Proteomic Analysis. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 14551-14560	7.8	5
199	Normalized Retention Time for Targeted Analysis of the DNA Adductome. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 14111-14115	7.8	6
198	Identification of Helicase Proteins as Clients for HSP90. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11751-11755	7.8	13
197	Bypassing a 8,5Scyclo-2Sdeoxyadenosine lesion by human DNA polymerase $\beta$ at atomic resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 10660-10665	11.5	6
196	Pyruvate kinase M2 regulates homologous recombination-mediated DNA double-strand break repair. <i>Cell Research</i> , <b>2018</b> , 28, 1090-1102	24.7	28
195	N-methyladenine DNA Modification in Glioblastoma. <i>Cell</i> , <b>2018</b> , 175, 1228-1243.e20	56.2	153
194	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> , <b>2018</b> , 293, 11100-11108	5.4	20
193	Identification of YTH Domain-Containing Proteins as the Readers for N1-Methyladenosine in RNA. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6380-6384	7.8	88
192	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> , <b>2018</b> , 1034, 110-118	6.6	23
191	Discovery of 2-((3-Acrylamido-4-methylphenyl)amino)-N-(2-methyl-5-(3,4,5-trimethoxybenzamido)phenyl)-4-(methylamino)pyrimidine (CHMFL-BMX-078) as a Highly Potent and Selective Type II Irreversible Bone Marrow Kinase in the X Chromosome (BMX) Kinase Inhibitor. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 1793-1816	8.9	12
190	AMPK promotes mitochondrial biogenesis and function by phosphorylating the epigenetic factors DNMT1, RBBP7, and HAT1. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	119
189	SILAC-Based Quantitative Proteomic Analysis Unveils Arsenite-Induced Perturbation of Multiple Pathways in Human Skin Fibroblast Cells. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 1006-1014	4	11
188	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> , <b>2017</b> , 52, 1-11	4.3	25
187	Replication and repair of a reduced 2Edeoxyguanosine-abasic site interstrand cross-link in human cells. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 6486-6493	20.1	15
186	Interstrand cross-links arising from strand breaks at true abasic sites in duplex DNA. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 6275-6283	20.1	19
185	Arsenite Binds to the RING Finger Domain of FANCL E3 Ubiquitin Ligase and Inhibits DNA Interstrand Crosslink Repair. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 1858-1866	4.9	15
184	Cross-talk between the H3K36me3 and H4K16ac histone epigenetic marks in DNA double-strand break repair. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 11951-11959	5.4	39

183	Structure-activity relationship investigation for benzonaphthyridinone derivatives as novel potent Bruton's tyrosine kinase (BTK) irreversible inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 137, 545-557	6.8	12
182	Replicative Bypass Studies of $\beta$ Anomeric Lesions of 2SDeoxyribonucleosides in Vitro. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 1127-1133	4	4
181	The melanoma-linked "redhead" MC1R influences dopaminergic neuron survival. <i>Annals of Neurology</i> , <b>2017</b> , 81, 395-406	9.4	22
180	Photocatalytic degradation of norfloxacin on different TiO <sub>2</sub> polymorphs under visible light in water. <i>RSC Advances</i> , <b>2017</b> , 7, 45721-45732	3.7	24
179	Transcription-translation coupling: direct interactions of RNA polymerase with ribosomes and ribosomal subunits. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 11043-11055	20.1	44
178	Arsenite Binds to the Zinc Finger Motif of TIP60 Histone Acetyltransferase and Induces Its Degradation via the 26S Proteasome. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 1685-1693	4	13
177	Position-dependent effects of regioisomeric methylated adenine and guanine ribonucleosides on translation. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 9059-9067	20.1	26
176	Identification of SLIRP as a G Quadruplex-Binding Protein. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12426-12429	16.4	32
175	Cytotoxic and Mutagenic Properties of C3SEpimeric Lesions of 2SDeoxyribonucleosides in Escherichia coli Cells. <i>Biochemistry</i> , <b>2017</b> , 56, 3725-3732	3.2	4
174	Liquid Chromatography-Tandem Mass Spectrometry for the Quantification of Tobacco-Specific Nitrosamine-Induced DNA Adducts in Mammalian Cells. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9124-9130	7.8	20
173	H NMR Metabolic Profiling of Earthworm (Eisenia fetida) Coelomic Fluid, Coelomocytes, and Tissue: Identification of a New Metabolite-Malylglutamate. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 3407-3418	5.6	15
172	Site-Selective Sensing of Histone Methylation Enzyme Activity via an Arrayed Supramolecular Tandem Assay. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10964-10967	16.4	48
171	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> , <b>2017</b> , 114, E7082-E7091	11.5	19
170	Replication studies of carboxymethylated DNA lesions in human cells. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 7276-7284	20.1	15
169	Tris(1,3-dichloro-2-propyl)phosphate Induces Genome-Wide Hypomethylation within Early Zebrafish Embryos. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10255-63	10.3	33
168	A High-Throughput Targeted Proteomic Approach for Comprehensive Profiling of Methylglyoxal-Induced Perturbations of the Human Kinome. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9773-9779	7.8	19
167	Dynamics of the human and viral m(6)A RNA methylomes during HIV-1 infection of T cells. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16011	26.6	262
166	AMP-Activated Protein Kinase and Sirtuin 1 Coregulation of Cortactin Contributes to Endothelial Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 2358-2368	9.4	26



165	Occurrence, Biological Consequences, and Human Health Relevance of Oxidative Stress-Induced DNA Damage. <i>Chemical Research in Toxicology</i> , <b>2016</b> , 29, 2008-2039	4	85
164	Photochemical Generation of Benzyl Cations That Selectively Cross-Link Guanine and Cytosine in DNA. <i>Organic Letters</i> , <b>2016</b> , 18, 2544-7	6.2	10
163	The Functions of Serine 687 Phosphorylation of Human DNA Polymerase $\beta$ in UV Damage Tolerance. <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 1913-20	7.6	10
162	Global discovery of protein kinases and other nucleotide-binding proteins by mass spectrometry. <i>Mass Spectrometry Reviews</i> , <b>2016</b> , 35, 601-19	11	17
161	Mass Spectrometry-Based Quantitative Strategies for Assessing the Biological Consequences and Repair of DNA Adducts. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 205-13	24.3	17
160	In Vitro Lesion Bypass Studies of O(4)-Alkylthymidines with Human DNA Polymerase $\beta$ <i>Chemical Research in Toxicology</i> , <b>2016</b> , 29, 669-75	4	8
159	Roles of Aag, Alkbh2, and Alkbh3 in the Repair of Carboxymethylated and Ethylated Thymidine Lesions. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 1332-8	4.9	12
158	Comprehensive Assessment of Oxidatively Induced Modifications of DNA in a Rat Model of Human Wilson's Disease. <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 810-7	7.6	29
157	Translesion synthesis of O4-alkylthymidine lesions in human cells. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 9256-9265	22.6	29
156	Reversible Regulation of Promoter and Enhancer Histone Landscape by DNA Methylation in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , <b>2016</b> , 17, 289-302	10.6	65
155	Replicative Bypass of O-Alkylthymidine Lesions in Vitro. <i>Chemical Research in Toxicology</i> , <b>2016</b> , 29, 1755-1761	4.7	5
154	Quantification of Azaserine-Induced Carboxymethylated and Methylated DNA Lesions in Cells by Nanoflow Liquid Chromatography-Nanoelectrospray Ionization Tandem Mass Spectrometry Coupled with the Stable Isotope-Dilution Method. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8036-42	7.8	16
153	Crystal Structure of Human DNA Methyltransferase 1. <i>Journal of Molecular Biology</i> , <b>2015</b> , 427, 2520-2531	6.5	74
152	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> , <b>2015</b> , 87, 7653-9	7.8	42
151	Mass spectrometry for the assessment of the occurrence and biological consequences of DNA adducts. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 7829-54	58.5	85
150	Facile Discovery of Cell-Surface Protein Targets of Cancer Cell Aptamers. <i>Molecular and Cellular Proteomics</i> , <b>2015</b> , 14, 2692-700	7.6	26
149	Identification and Functional Characterizations of N-Terminal $\beta$ -N-Methylation and Phosphorylation of Serine 461 in Human Poly(ADP-ribose) Polymerase 3. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2575-82	5.6	15
148	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> , <b>2015</b> , 137, 3933-45	16.4	37

147	Transcriptional inhibition and mutagenesis induced by N-nitroso compound-derived carboxymethylated thymidine adducts in DNA. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 1012-8	20.1	15
146	Arsenite Targets the Zinc Finger Domains of Tet Proteins and Inhibits Tet-Mediated Oxidation of 5-Methylcytosine. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 11923-31	10.3	40
145	Structural insight into substrate preference for TET-mediated oxidation. <i>Nature</i> , <b>2015</b> , 527, 118-22	50.4	159
144	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> , <b>2015</b> , 66, 6651-63	7	19
143	Cell and Protein Recognition at a Supported Bilayer Interface via In Situ Cavitand-Mediated Functional Polymer Growth. <i>Langmuir</i> , <b>2015</b> , 31, 11152-7	4	8
142	Quantitative measurement of transcriptional inhibition and mutagenesis induced by site-specifically incorporated DNA lesions in vitro and in vivo. <i>Nature Protocols</i> , <b>2015</b> , 10, 1389-406	18.8	17
141	An Allosteric Interaction Links USP7 to Deubiquitination and Chromatin Targeting of UHRF1. <i>Cell Reports</i> , <b>2015</b> , 12, 1400-6	10.6	55
140	Cytotoxic and mutagenic properties of O4-alkylthymidine lesions in Escherichia coli cells. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 10795-803	20.1	20
139	In vivo detection and replication studies of anomeric lesions of 2-deoxyribonucleosides. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 8314-24	20.1	13
138	Posttranslational Regulation of Human DNA Polymerase $\beta$ . <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 27332-27344	5.4	12
137	Chemical and structural characterization of interstrand cross-links formed between abasic sites and adenine residues in duplex DNA. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 3434-41	20.1	32
136	Base J glucosyltransferase does not regulate the sequence specificity of J synthesis in trypanosomatid telomeric DNA. <i>Molecular and Biochemical Parasitology</i> , <b>2015</b> , 204, 77-80	1.9	2
135	Profiling global kinome signatures of the radioresistant MCF-7/C6 breast cancer cells using MRM-based targeted proteomics. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 193-201	5.6	27
134	Fragmentation of electrospray-produced deprotonated ions of oligodeoxyribonucleotides containing an alkylated or oxidized thymidine. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 1167-76	3.5	1
133	Monomethylarsonous acid inhibited endogenous cholesterol biosynthesis in human skin fibroblasts. <i>Toxicology and Applied Pharmacology</i> , <b>2014</b> , 277, 21-9	4.6	7
132	Effects of Tet-induced oxidation products of 5-methylcytosine on Dnmt1- and DNMT3a-mediated cytosine methylation. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 1749-52		42
131	Application of adenosine triphosphate affinity probe and scheduled multiple-reaction monitoring analysis for profiling global kinome in human cells in response to arsenite treatment. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 10700-7	7.8	10
130	Effects of tet-induced oxidation products of 5-methylcytosine on DNA replication in mammalian cells. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 1304-9	4	11

129	Quantitative mass spectrometry-based analysis of 5-D-glucosyl-5-hydroxymethyluracil in genomic DNA of <i>Trypanosoma brucei</i> . <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 1763-70	3.5	12
128	A targeted quantitative proteomics strategy for global kinome profiling of cancer cells and tissues. <i>Molecular and Cellular Proteomics</i> , <b>2014</b> , 13, 1065-75	7.6	45
127	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> , <b>2014</b> , 136, 12884-7	16.4	31
126	Epimeric 2-deoxyribose lesions: Products from the improper chemical repair of 2-deoxyribose radicals. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 470-9	4	7
125	Tet-mediated formation of 5-hydroxymethylcytosine in RNA. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 11582-5	16.4	201
124	A selective USP1-UAF1 inhibitor links deubiquitination to DNA damage responses. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 298-304	11.7	155
123	Sequential enrichment with titania-coated magnetic mesoporous hollow silica microspheres and zirconium arsenate-modified magnetic nanoparticles for the study of phosphoproteome of HL60 cells. <i>Journal of Chromatography A</i> , <b>2014</b> , 1365, 54-60	4.5	6
122	Comprehensive characterization of (S)GTP-binding proteins by orthogonal quantitative (S)GTP-affinity profiling and (S)GTP/GTP competition assays. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4550-8	7.8	11
121	Effects of Tet-mediated oxidation products of 5-methylcytosine on DNA transcription in vitro and in mammalian cells. <i>Scientific Reports</i> , <b>2014</b> , 4, 7052	4.9	13
120	Facile enzymatic synthesis of base J-containing oligodeoxyribonucleotides and an analysis of the impact of base J on DNA replication in cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e103335	3.7	3
119	EN-methylation of damaged DNA-binding protein 2 (DDB2) and its function in nucleotide excision repair. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 16046-56	5.4	37
118	Identification of the glucosyltransferase that converts hydroxymethyluracil to base J in the trypanosomatid genome. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 20273-82	5.4	44
117	Cytotoxic and mutagenic properties of regioisomeric O <sup>6</sup> , N <sup>3</sup> - and O <sup>6</sup> ethylthymidines in bacterial cells. <i>Carcinogenesis</i> , <b>2014</b> , 35, 2002-6	4.6	18
116	Photoswitchable Formation of a DNA Interstrand Cross-Link by a Coumarin-Modified Nucleotide. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7121-7125	3.6	13
115	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> , <b>2014</b> , 111, E5149-58	11.5	21
114	Syntheses and characterizations of the in vivo replicative bypass and mutagenic properties of the minor-groove O <sup>2</sup> -alkylthymidine lesions. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 10529-37	20.1	27
113	Transcriptional bypass of regioisomeric ethylated thymidine lesions by T7 RNA polymerase and human RNA polymerase II. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 13706-13	20.1	13
112	Genome-wide mapping of DNA methylation in the human malaria parasite <i>Plasmodium falciparum</i> . <i>Cell Host and Microbe</i> , <b>2013</b> , 14, 696-706	23.4	60

111	Translesion synthesis of 8,5Scyclopurine-2Sdeoxynucleosides by DNA polymerases $\beta$ and $\eta$ . <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 28548-56	5.4	55
110	Induction of 8,5Scyclo-2Sdeoxyadenosine and 8,5Scyclo-2Sdeoxyguanosine in isolated DNA by Fenton-type reagents. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1361-6	4	17
109	Nuclease digestion and mass spectrometric characterization of oligodeoxyribonucleotides containing 1,2-GpG, 1,2-ApG, and 1,3-GpXpG cisplatin intrastrand cross-links. <i>Clinica Chimica Acta</i> , <b>2013</b> , 420, 160-70	6.2	2
108	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> , <b>2013</b> , 59, 824-32	5.5	113
107	Hexavalent chromium-induced alteration of proteomic landscape in human skin fibroblast cells. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 3511-8	5.6	16
106	A quantitative mass spectrometry-based approach for assessing the repair of 8-methoxypsoralen-induced DNA interstrand cross-links and monoadducts in mammalian cells. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 6732-9	7.8	17
105	Proteome-wide discovery and characterizations of nucleotide-binding proteins with affinity-labeled chemical probes. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3198-206	7.8	23
104	Isotope-coded ATP probe for quantitative affinity profiling of ATP-binding proteins. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 7478-86	7.8	23
103	Replication across regioisomeric ethylated thymidine lesions by purified DNA polymerases. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1730-8	4	16
102	Identification of novel $\beta$ -methylation of CENP-B that regulates its binding to the centromeric DNA. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4167-75	5.6	47
101	Quantitative assessment of Tet-induced oxidation products of 5-methylcytosine in cellular and tissue DNA. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 6421-9	20.1	110
100	Detection of oxidation products of 5-methyl-2Sdeoxycytidine in Arabidopsis DNA. <i>PLoS ONE</i> , <b>2013</b> , 8, e84620	3.7	23
99	Mutagenic and cytotoxic properties of oxidation products of 5-methylcytosine revealed by next-generation sequencing. <i>PLoS ONE</i> , <b>2013</b> , 8, e72993	3.7	23
98	Single Molecular Analysis of the Encounter of Replication Forks with DNA Interstrand Crosslinks. <i>FASEB Journal</i> , <b>2013</b> , 27, 538.2	0.9	
97	An ultraviolet-radiation-independent pathway to melanoma carcinogenesis in the red hair/fair skin background. <i>Nature</i> , <b>2012</b> , 491, 449-53	50.4	337
96	In-vitro replication studies on O(2)-methylthymidine and O(4)-methylthymidine. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 2523-31	4	15
95	A quantitative assay for assessing the effects of DNA lesions on transcription. <i>Nature Chemical Biology</i> , <b>2012</b> , 8, 817-22	11.7	56
94	The oxidative DNA lesions 8,5Scyclopurines accumulate with aging in a tissue-specific manner. <i>Aging Cell</i> , <b>2012</b> , 11, 714-6	9.9	104

93	Accurate and efficient bypass of 8,5Scyclopurine-2Sdeoxynucleosides by human and yeast DNA polymerase $\beta$ <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 1682-91	4	13
92	Endogenous formation and repair of oxidatively induced G[8-5 m]T intrastrand cross-link lesion. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 7368-74	20.1	33
91	Chronic epithelial NF- $\beta$ 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> , <b>2012</b> , 109, 14007-12	11.5	114
90	Effects of 6-thioguanine and S6-methylthioguanine on transcription in vitro and in human cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 40915-23	5.4	19
89	5-Aza-2Sdeoxycytidine induced growth inhibition of leukemia cells through modulating endogenous cholesterol biosynthesis. <i>Molecular and Cellular Proteomics</i> , <b>2012</b> , 11, M111.016915	7.6	21
88	NF- $\beta$ inhibition delays DNA damage-induced senescence and aging in mice. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 2601-12	15.9	290
87	Quantitative proteomic analysis revealed lovastatin-induced perturbation of cellular pathways in HL-60 cells. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 5463-71	5.6	11
86	5-Hydroxymethylcytosine is strongly depleted in human cancers but its levels do not correlate with IDH1 mutations. <i>Cancer Research</i> , <b>2011</b> , 71, 7360-5	10.1	352
85	Mapping Post-translational Modifications of Histones H2A, H2B and H4 in Schizosaccharomyces pombe. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 301, 159-165	1.9	5
84	In vitro replication studies of carboxymethylated DNA lesions with Saccharomyces cerevisiae polymerase $\beta$ <i>Biochemistry</i> , <b>2011</b> , 50, 7666-73	3.2	15
83	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> , <b>2011</b> , 83, 2201-9	7.8	93
82	Carboxymethylation of DNA Induced by N-Nitroso Compounds and Its Biological Implications. <i>Advances in Molecular Toxicology</i> , <b>2011</b> , 219-243	0.4	4
81	High-throughput analysis of the mutagenic and cytotoxic properties of DNA lesions by next-generation sequencing. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 5945-54	20.1	53
80	The roles of DNA polymerases $\beta$ and $\gamma$ in the error-free bypass of N2-carboxyalkyl-2Sdeoxyguanosine lesions in mammalian cells. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 17503-11	5.4	41
79	6-Thioguanine and S $\beta$ -methylthioguanine are mutagenic in human cells. <i>ACS Chemical Biology</i> , <b>2010</b> , 5, 1021-7	4.9	28
78	Quantitative proteomic analysis reveals the perturbation of multiple cellular pathways in HL-60 cells induced by arsenite treatment. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 1129-37	5.6	30
77	Quantification of N2-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> , <b>2010</b> , 23, 74-81	4	19
76	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> , <b>2010</b> , 23, 11-9	4	38



75	HMG modifications and nuclear function. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2010</b> , 1799, 28-36	6	51
74	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> , <b>2010</b> , 82, 5797-803	7.8	18
73	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> , <b>2010</b> , 49, 2346-50	3.2	20
72	Quantitative proteomic analysis reveals the perturbation of multiple cellular pathways in jurkat-T cells induced by doxorubicin. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 5943-51	5.6	13
71	Mapping of lysine methylation and acetylation in core histones of <i>Neurospora crassa</i> . <i>Biochemistry</i> , <b>2010</b> , 49, 5236-43	3.2	16
70	Synthesis and characterization of oligodeoxyribonucleotides containing a site-specifically incorporated N6-carboxymethyl-2Sdeoxyadenosine or N4-carboxymethyl-2Sdeoxycytidine. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 6774-84	20.1	16
69	Chemical synthesis of oligodeoxyribonucleotides containing N3- and O4-carboxymethylthymidine and their formation in DNA. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 336-45	20.1	18
68	Kinetics of deamination and Cu(II)/H <sub>2</sub> O <sub>2</sub> /Ascorbate-induced formation of 5-methylcytosine glycol at CpG sites in duplex DNA. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 6635-43	20.1	20
67	Fragmentation of isomeric intrastrand crosslink lesions of DNA in an ion-trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2009</b> , 20, 611-7	3.5	4
66	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> , <b>2009</b> , 20, 1172-81	3.5	22
65	Ternary complexes of iron, amyloid-beta, and nitritotriacetic acid: binding affinities, redox properties, and relevance to iron-induced oxidative stress in Alzheimer's disease. <i>Biochemistry</i> , <b>2009</b> , 48, 7939-47	3.2	86
64	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> , <b>2009</b> , 22, 574-83	4	21
63	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> , <b>2009</b> , 48, 2290-9	3.2	24
62	Bulky DNA lesions induced by reactive oxygen species. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 276-81	4	129
61	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> , <b>2008</b> , 80, 2932-8	7.8	54
60	Quantitative analysis of DNA interstrand cross-links and monoadducts formed in human cells induced by psoralens and UVA irradiation. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 8790-8	7.8	58
59	Mutagenic and cytotoxic properties of 6-thioguanine, S6-methylthioguanine, and guanine-S6-sulfonic acid. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 23665-70	5.4	31
58	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> , <b>2008</b> , 105, 8679-84	11.5	114



57	High mobility group proteins and their post-translational modifications. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2008</b> , 1784, 1159-66	4	61
56	In vivo formation and in vitro replication of a guanine-thymine intrastrand cross-link lesion. <i>Biochemistry</i> , <b>2007</b> , 46, 12757-63	3.2	60
55	The oxidation of yeast alcohol dehydrogenase-1 by hydrogen peroxide in vitro. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 216-25	5.6	43
54	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> , <b>2007</b> , 79, 322-6	7.8	76
53	Mass spectrometric analysis of high-mobility group proteins and their post-translational modifications in normal and cancerous human breast tissues. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 2304-14	5.6	14
52	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> , <b>2007</b> , 6, 4711-9	5.6	24
51	Probing adenosine nucleotide-binding proteins with an affinity-labeled nucleotide probe and mass spectrometry. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 5547-56	7.8	23
50	UVB-Induced formation of intrastrand cross-link products of DNA in MCF-7 cells treated with 5-bromo-2Sdeoxyuridine. <i>Biochemistry</i> , <b>2007</b> , 46, 8189-95	3.2	31
49	A method to determine the ionization efficiency change of peptides caused by phosphorylation. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 1973-6	3.5	21
48	Redox-dependent formation of disulfide bonds in human replication protein A. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 2743-9	2.2	17
47	Isolation and Characterization of a Novel Cross-link Lesion in d(CpC) Induced by One-electron Photooxidation. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 80, 209-215	3.6	
46	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> , <b>2007</b> , 18, 1569-78	3.5	25
45	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> , <b>2007</b> , 35, 4833-44	20.1	68
44	Formation and genotoxicity of a guanine-cytosine intrastrand cross-link lesion in vivo. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 7118-27	20.1	99
43	Stereospecific synthesis and characterization of oligodeoxyribonucleotides containing an N2-(1-carboxyethyl)-2Sdeoxyguanosine. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 12123-30	16.4	25
42	In vitro replication and thermodynamic studies of methylation and oxidation modifications of 6-thioguanine. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 3693-704	20.1	18
41	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> , <b>2007</b> , 46, 7896-906	3.2	33
40	Collisionally activated dissociation of protonated 2Sdeoxycytidine, 2Sdeoxyuridine, and their oxidatively damaged derivatives. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2006</b> , 17, 1335-1341	3.5	32

39	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> , <b>2006</b> , 34, 6521-9	20.1	45
38	Synthesis and thermodynamic studies of oligodeoxyribonucleotides containing tandem lesions of thymidine glycol and 8-oxo-2Sdeoxyguanosine. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 837-43	4	11
37	The photochemistry of 5-BrdCpdC, dCp5-BrdCpdA, and dCp5-BrdCdT in aqueous solution. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2006</b> , 25, 279-87	1.4	3
36	Identification and quantification of a guanine-thymine intrastrand cross-link lesion induced by Cu(II)/H <sub>2</sub> O <sub>2</sub> /ascorbate. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 614-21	4	90
35	Acetylation and phosphorylation of high-mobility group A1 proteins in PC-3 human tumor cells. <i>Biochemistry</i> , <b>2006</b> , 45, 7194-201	3.2	16
34	Recognition and incision of oxidative intrastrand cross-link lesions by UvrABC nuclease. <i>Biochemistry</i> , <b>2006</b> , 45, 10739-46	3.2	44
33	Phosphorylation of human high mobility group N1 protein by protein kinase CK2. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 345, 1497-503	3.4	6
32	Fragmentation of the deprotonated ions of peptides containing cysteine, cysteine sulfinic acid, cysteine sulfonic acid, aspartic acid, and glutamic acid. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 777-84	2.2	17
31	Differentiation of 2SO- and 3SO-methylated ribonucleosides by tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2006</b> , 17, 1096-1099	3.5	9
30	Generation of 5-(2Sdeoxycytidyl)methyl radical and the formation of intrastrand cross-link lesions in oligodeoxyribonucleotides. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 1593-603	20.1	58
29	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> , <b>2005</b> , 44, 6293-301	3.2	35
28	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> , <b>2005</b> , 127, 13969-77	16.4	38
27	Thermodynamic and in vitro replication studies of an intrastrand G[8-5]C cross-link lesion. <i>Biochemistry</i> , <b>2005</b> , 44, 8883-9	3.2	28
26	The reactivity of the 5-hydroxy-5,6-dihydrothymidin-6-yl radical in oligodeoxyribonucleotides. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 1897-906	4	21
25	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> , <b>2005</b> , 19, 23-30	2.2	25
24	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> , <b>2004</b> , 15, 697-702	3.5	44
23	Tandem mass spectrometry for the determination of the sites of DNA interstrand cross-link. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 1565-71	3.5	13
22	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> , <b>2004</b> , 43, 6745-50	3.2	51

21	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> , <b>2004</b> , 126, 13287-97	16.4	43
20	Identification of novel in vivo phosphorylation sites in high mobility group N1 protein from the MCF-7 human breast cancer cells. <i>Biochemistry</i> , <b>2004</b> , 43, 6322-9	3.2	11
19	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> , <b>2004</b> , 126, 6552-3	16.4	47
18	Isolation and Characterization of a Novel Cross-link Lesion in d(CpC) Induced by One-electron Photooxidation. <i>Photochemistry and Photobiology</i> , <b>2004</b> , 80, 209	3.6	10
17	Isolation and characterization of a novel cross-link lesion in d(CpC) induced by one-electron photooxidation. <i>Photochemistry and Photobiology</i> , <b>2004</b> , 80, 209-15	3.6	5
16	Structure elucidation of DNA interstrand cross-link by a combination of nuclease P1 digestion with mass spectrometry. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 6306-13	7.8	25
15	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> , <b>2003</b> , 125, 12795-802	16.4	69
14	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> , <b>2003</b> , 31, 5413-24	20.1	21
13	Fragmentation of deprotonated ions of oligodeoxynucleotides carrying a 5-formyluracil or 2-aminoimidazolone. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2002</b> , 13, 1190-4	3.5	7
12	ESI-MS/MS for the differentiation of diastereomeric pyrimidine glycols in mononucleosides. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 4505-12	7.8	9
11	HPLC isolation and mass spectrometric characterization of two isomers of thymine glycols in oligodeoxynucleotides. <i>Chemical Research in Toxicology</i> , <b>2002</b> , 15, 671-6	4	28
10	Major adenine products from 2-methyl-1,4-naphthoquinone-sensitized photoirradiation at 365 nm. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 291, 1252-7	3.4	11
9	Mechanisms for the formation of major oxidation products of adenine upon 365-nm irradiation with 2-methyl-1,4-naphthoquinone as a sensitizer. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 8507-12	4.2	14
8	Fragmentation of electrospray-produced oligodeoxynucleotide ions adducted to metal ions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2001</b> , 12, 550-6	3.5	28
7	Fragmentation of photomodified oligodeoxynucleotides adducted with metal ions in an electrospray-ionization ion-trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2001</b> , 12, 1174-9	3.5	17
6	Isolation and mass spectrometric characterization of dimeric adenine photoproducts in oligodeoxynucleotides. <i>Chemical Research in Toxicology</i> , <b>2001</b> , 14, 738-45	4	22
5	A method for quantification from composite spectra: application to the determination of isomeric DNA photoproducts by tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 185-91	7.8	6
4	Use of a combined enzymatic digestion/ESI mass spectrometry assay to study the effect of TATA-binding protein on photoproduct formation in a TATA box. <i>Biochemistry</i> , <b>2001</b> , 40, 11785-93	3.2	14

3	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> , <b>2000</b> , 173, 412-7	3	63
2	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> , <b>1999</b> , 10, 329-38	3.5	31
1	Nuclease P1 digestion combined with tandem mass spectrometry for the structure determination of DNA photoproducts. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 1077-82	4	40