

Hailin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3278447/publications.pdf>

Version: 2024-02-01

140
papers

5,487
citations

101543

36
h-index

98798

67
g-index

144
all docs

144
docs citations

144
times ranked

7238
citing authors

#	ARTICLE	IF	CITATIONS
1	N6-Methyladenine DNA Modification in Drosophila. <i>Cell</i> , 2015, 161, 893-906.	28.9	570
2	Ascorbic Acid Enhances Tet-Mediated 5-Methylcytosine Oxidation and Promotes DNA Demethylation in Mammals. <i>Journal of the American Chemical Society</i> , 2013, 135, 10396-10403.	13.7	499
3	Replacement of Oct4 by Tet1 during iPSC Induction Reveals an Important Role of DNA Methylation and Hydroxymethylation in Reprogramming. <i>Cell Stem Cell</i> , 2013, 12, 453-469.	11.1	321
4	Identification of entacapone as a chemical inhibitor of FTO mediating metabolic regulation through FOXO1. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	201
5	Stella safeguards the oocyte methylome by preventing de novo methylation mediated by DNMT1. <i>Nature</i> , 2018, 564, 136-140.	27.8	186
6	The loss of RNA N6-adenosine methyltransferase Mettl14 in tumor-associated macrophages promotes CD8+ T cell dysfunction and tumor growth. <i>Cancer Cell</i> , 2021, 39, 945-957.e10.	16.8	124
7	Chemical and Toxicological Characterization of Halobenzoquinones, an Emerging Class of Disinfection Byproducts. <i>Chemical Research in Toxicology</i> , 2015, 28, 306-318.	3.3	118
8	Cooperative Action between SALL4A and TET Proteins in Stepwise Oxidation of 5-Methylcytosine. <i>Molecular Cell</i> , 2016, 64, 913-925.	9.7	111
9	Redox-active quinones induces genome-wide DNA methylation changes by an iron-mediated and Tet-dependent mechanism. <i>Nucleic Acids Research</i> , 2014, 42, 1593-1605.	14.5	106
10	Assessing developmental toxicity and estrogenic activity of halogenated bisphenol A on zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2014, 112, 275-281.	8.2	106
11	Detection of Human Urinary 5-Hydroxymethylcytosine by Stable Isotope Dilution HPLC-MS/MS Analysis. <i>Analytical Chemistry</i> , 2015, 87, 1846-1852.	6.5	106
12	Fluorescence Anisotropy Analysis for Mapping Aptamer-Protein Interaction at the Single Nucleotide Level. <i>Journal of the American Chemical Society</i> , 2011, 133, 9188-9191.	13.7	90
13	Identification of Allosteric Nucleotide Sites of Tetramethylrhodamine-Labeled Aptamer for Noncompetitive Aptamer-Based Fluorescence Anisotropy Detection of a Small Molecule, Ochratoxin A. <i>Analytical Chemistry</i> , 2014, 86, 1238-1245.	6.5	82
14	Kinetics and mechanisms of mitotic inheritance of DNA methylation and their roles in aging-associated methylome deterioration. <i>Cell Research</i> , 2020, 30, 980-996.	12.0	81
15	Evaluation of the in vitro estrogenicity of emerging bisphenol analogs and their respective estrogenic contributions in municipal sewage sludge in China. <i>Chemosphere</i> , 2015, 124, 150-155.	8.2	77
16	Gadd45a promotes DNA demethylation through TDG. <i>Nucleic Acids Research</i> , 2015, 43, 3986-3997.	14.5	77
17	Fluorescence Polarization Combined Capillary Electrophoresis Immunoassay for the Sensitive Detection of Genomic DNA Methylation. <i>Analytical Chemistry</i> , 2009, 81, 7885-7891.	6.5	76
18	MALDI-MS Imaging Reveals Asymmetric Spatial Distribution of Lipid Metabolites from Bisphenol S-Induced Nephrotoxicity. <i>Analytical Chemistry</i> , 2018, 90, 3196-3204.	6.5	73

#	ARTICLE	IF	CITATIONS
19	Global DNA 5-hydroxymethylcytosine and 5-formylcytosine Contents Are Decreased in the Early Stage of Hepatocellular Carcinoma. <i>Hepatology</i> , 2019, 69, 196-208.	7.3	72
20	Bisphenol S exposure modulate macrophage phenotype as defined by cytokines profiling, global metabolomics and lipidomics analysis. <i>Science of the Total Environment</i> , 2017, 592, 357-365.	8.0	69
21	A sensitive fluorescence anisotropy method for detection of lead (II) ion by a G-quadruplex-inducible DNA aptamer. <i>Analytica Chimica Acta</i> , 2014, 812, 161-167.	5.4	66
22	Critical assessment of DNA adenine methylation in eukaryotes using quantitative deconvolution. <i>Science</i> , 2022, 375, 515-522.	12.6	64
23	High performance aptamer affinity chromatography for single-step selective extraction and screening of basic protein lysozyme. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 903, 112-117.	2.3	63
24	Detection of 8-hydroxydeoxyguanosine (8-OHdG) as a biomarker of oxidative damage in peripheral leukocyte DNA by UHPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1064, 1-6.	2.3	62
25	Dummy molecularly imprinted polymer for selective screening of trace bisphenols in river water. <i>Analytical Methods</i> , 2011, 3, 173-180.	2.7	57
26	N6-methyladenine is incorporated into mammalian genome by DNA polymerase. <i>Cell Research</i> , 2021, 31, 94-97.	12.0	48
27	Potent DNA damage by polyhalogenated quinones and H ₂ O ₂ via a metal-independent and Intercalation-enhanced oxidation mechanism. <i>Scientific Reports</i> , 2013, 3, 1269.	3.3	47
28	DNA wrapping is required for DNA damage recognition in the Escherichia coli DNA nucleotide excision repair pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12849-12854.	7.1	46
29	Nucleic acid aptamers improving fluorescence anisotropy and fluorescence polarization assays for small molecules. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 401-409.	11.4	44
30	An Ammonium Bicarbonate-Enhanced Stable Isotope Dilution UHPLC-MS/MS Method for Sensitive and Accurate Quantification of Acrolein-DNA Adducts in Human Leukocytes. <i>Analytical Chemistry</i> , 2013, 85, 3190-3197.	6.5	43
31	Fluorescence Anisotropy Reduction of Allosteric Aptamer for Sensitive and Specific Protein Signaling. <i>Analytical Chemistry</i> , 2012, 84, 3070-3074.	6.5	40
32	Metabolically Generated Stable Isotope-Labeled Deoxynucleoside Code for Tracing DNA N ⁶ -Methyladenine in Human Cells. <i>Analytical Chemistry</i> , 2017, 89, 6202-6209.	6.5	40
33	Experimental and computational insights on the recognition mechanism between the estrogen receptor α with bisphenol compounds. <i>Archives of Toxicology</i> , 2017, 91, 3897-3912.	4.2	40
34	SET8 prevents excessive DNA methylation by methylation-mediated degradation of UHRF1 and DNMT1. <i>Nucleic Acids Research</i> , 2019, 47, 9053-9068.	14.5	40
35	Highly sensitive detection of human thrombin in serum by affinity capillary electrophoresis/laser-induced fluorescence polarization using aptamers as probes. <i>Journal of Chromatography A</i> , 2009, 1216, 873-878.	3.7	39
36	Screening interaction between ochratoxin A and aptamers by fluorescence anisotropy approach. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2443-2449.	3.7	38

#	ARTICLE	IF	CITATIONS
37	Nanoparticles-Free Fluorescence Anisotropy Amplification Assay for Detection of RNA Nucleotide-Cleaving DNAzyme Activity. <i>Analytical Chemistry</i> , 2015, 87, 4903-4909.	6.5	38
38	Aptamer fluorescence anisotropy sensors for adenosine triphosphate by comprehensive screening tetramethylrhodamine labeled nucleotides. <i>Biosensors and Bioelectronics</i> , 2015, 70, 188-193.	10.1	37
39	Maternal Sall4 Is Indispensable for Epigenetic Maturation of Mouse Oocytes. <i>Journal of Biological Chemistry</i> , 2017, 292, 1798-1807.	3.4	37
40	Liquid chromatography-mass spectrometry-based metabolomics and lipidomics reveal toxicological mechanisms of bisphenol F in breast cancer xenografts. <i>Journal of Hazardous Materials</i> , 2018, 358, 503-507.	12.4	37
41	DNA-Driven Focusing for Protein-DNA Binding Assays Using Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2005, 77, 4985-4990.	6.5	36
42	Three-Enzyme Cascade Bioreactor for Rapid Digestion of Genomic DNA into Single Nucleosides. <i>Analytical Chemistry</i> , 2016, 88, 7730-7737.	6.5	36
43	Nickel(II) Inhibits Tet-Mediated 5-Methylcytosine Oxidation by High Affinity Displacement of the Cofactor Iron(II). <i>ACS Chemical Biology</i> , 2017, 12, 1494-1498.	3.4	36
44	Enhancement of Immunocomplex Detection and Application to Assays for DNA Adduct of Benzo[a]pyrene. <i>Analytical Chemistry</i> , 2003, 75, 247-254.	6.5	35
45	Ultra-performance liquid chromatography/tandem mass spectrometry for accurate quantification of global DNA methylation in human sperms. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1647-1652.	2.3	35
46	Role of TET Dioxygenases and DNA Hydroxymethylation in Bisphenols-Stimulated Proliferation of Breast Cancer Cells. <i>Environmental Health Perspectives</i> , 2020, 128, 27008.	6.0	33
47	Specific and Sensitive Fluorescence Anisotropy Sensing of Guanine-Quadruplex Structures via a Photoinduced Electron Transfer Mechanism. <i>Analytical Chemistry</i> , 2012, 84, 8088-8094.	6.5	32
48	Omics approach reveals metabolic disorders associated with the cytotoxicity of airborne particulate matter in human lung carcinoma cells. <i>Environmental Pollution</i> , 2019, 246, 45-52.	7.5	31
49	ATPase activity tightly regulates RecA nucleofilaments to promote homologous recombination. <i>Cell Discovery</i> , 2017, 3, 16053.	6.7	30
50	Affinity Interactions by Capillary Electrophoresis: Binding, Separation, and Detection. <i>Analytical Chemistry</i> , 2019, 91, 372-387.	6.5	30
51	Stella protein facilitates DNA demethylation by disrupting the chromatin association of the RING finger-type E3 ubiquitin ligase UHRF1. <i>Journal of Biological Chemistry</i> , 2019, 294, 8907-8917.	3.4	29
52	Vertical Ultrafiltration-Facilitated DNA Digestion for Rapid and Sensitive UHPLC-MS/MS Detection of DNA Modifications. <i>Analytical Chemistry</i> , 2018, 90, 6859-6866.	6.5	28
53	Fluorescence Anisotropy Reduction of An Allosteric G-Rich Oligonucleotide for Specific Silver Ion and Cysteine Detection Based on the G-Ag ⁺ -G Base Pair. <i>Analytical Chemistry</i> , 2019, 91, 14538-14544.	6.5	27
54	Profiling of epigenetic DNA modifications by advanced liquid chromatography-mass spectrometry technologies. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 173-182.	11.4	27

#	ARTICLE	IF	CITATIONS
55	Binding Stoichiometry of DNA Adducts with Antibody Studied by Capillary Electrophoresis and Laser-Induced Fluorescence. <i>Analytical Chemistry</i> , 2002, 74, 3714-3719.	6.5	25
56	Boronic acid-mediated polymerase chain reaction for gene- and fragment-specific detection of 5-hydroxymethylcytosine. <i>Nucleic Acids Research</i> , 2014, 42, e81-e81.	14.5	25
57	Reduced Self-Diploidization and Improved Survival of Semi-cloned Mice Produced from Androgenetic Haploid Embryonic Stem Cells through Overexpression of Dnmt3b. <i>Stem Cell Reports</i> , 2018, 10, 477-493.	4.8	24
58	Phosphorylation of TET2 by AMPK is indispensable in myogenic differentiation. <i>Epigenetics and Chromatin</i> , 2019, 12, 32.	3.9	24
59	SARS-CoV-2 RNA elements share human sequence identity and upregulate hyaluronan via NamiRNA-enhancer network. <i>EBioMedicine</i> , 2022, 76, 103861.	6.1	24
60	Focusing and stabilization of bisintercalating dye-DNA complexes for high-sensitive CE-LIF DNA analysis. <i>Electrophoresis</i> , 2008, 29, 4454-4462.	2.4	23
61	Graphene oxide enhances the specificity of the polymerase chain reaction by modifying primer-template matching. <i>Scientific Reports</i> , 2017, 7, 16510.	3.3	23
62	USP7 negatively controls global DNA methylation by attenuating ubiquitinated histone-dependent DNMT1 recruitment. <i>Cell Discovery</i> , 2020, 6, 58.	6.7	23
63	Fluorescence Anisotropy-Based Signal-Off and Signal-On Aptamer Assays Using Lissamine Rhodamine B as a Label for Ochratoxin A. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4277-4283.	5.2	23
64	Roles of the CSE1L-mediated nuclear import pathway in epigenetic silencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4013-E4022.	7.1	21
65	Multienzyme Cascade Bioreactor for a 10 min Digestion of Genomic DNA into Single Nucleosides and Quantitative Detection of Structural DNA Modifications in Cellular Genomic DNA. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21883-21890.	8.0	21
66	Metabolic perturbation, proliferation and reactive oxygen species jointly contribute to cytotoxicity of human breast cancer cell induced by tetrabromo and tetrachloro bisphenol A. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 495-501.	6.0	21
67	Reactivation of tumour suppressor in breast cancer by enhancer switching through NamiRNA network. <i>Nucleic Acids Research</i> , 2021, 49, 8556-8572.	14.5	21
68	Study of cytotoxic effects of single-walled carbon nanotubes functionalized with different chemical groups on human MCF7 cells. <i>Chemosphere</i> , 2013, 92, 576-582.	8.2	20
69	Nickel(II) inhibits the oxidation of DNA 5-methylcytosine in mammalian somatic cells and embryonic stem cells. <i>Metallomics</i> , 2018, 10, 504-512.	2.4	20
70	Liquid chromatography- mass spectrometry for analysis of DNA damages induced by environmental exposure. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115645.	11.4	20
71	Organic Osmolyte Mediated Kinetic Capillary Electrophoresis for Study of Protein-DNA Interactions. <i>Analytical Chemistry</i> , 2009, 81, 1988-1995.	6.5	19
72	Evaluation of the splenic injury following exposure of mice to bisphenol S: A mass spectrometry-based lipidomics and imaging analysis. <i>Environment International</i> , 2020, 135, 105378.	10.0	19

#	ARTICLE	IF	CITATIONS
73	Interplay of Binding Stoichiometry and Recognition Specificity for the Interaction of MBD2b Protein and Methylated DNA Revealed by Affinity Capillary Electrophoresis Coupled with Laser-Induced Fluorescence Analysis. <i>Analytical Chemistry</i> , 2014, 86, 1775-1782.	6.5	17
74	Elevated 8-oxo-7,8-dihydro-2- ϵ -deoxyguanosine in genome of T24 bladder cancer cells induced by halobenzoquinones. <i>Journal of Environmental Sciences</i> , 2018, 63, 133-139.	6.1	17
75	p-tert-Butylcalix[8]arene-bonded silica monoliths for liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1188, 199-207.	3.7	16
76	Microdialysis Sampling Method for Evaluation of Binding Kinetics of Small Molecules to Macromolecules. <i>Analytical Chemistry</i> , 2008, 80, 2993-2999.	6.5	16
77	Detection of 1,N ² -propano-2- ϵ -deoxyguanosine adducts in genomic DNA by ultrahigh performance liquid chromatography-electrospray ionization-tandem mass spectrometry in combination with stable isotope dilution. <i>Journal of Chromatography A</i> , 2016, 1450, 38-44.	3.7	16
78	Immunofluorescence Imaging Strategy for Evaluation of the Accessibility of DNA 5-Hydroxymethylcytosine in Chromatins. <i>Analytical Chemistry</i> , 2017, 89, 5702-5706.	6.5	16
79	An aptamer assay for aflatoxin B1 detection using Mg ²⁺ mediated free zone capillary electrophoresis coupled with laser induced fluorescence. <i>Talanta</i> , 2019, 204, 182-188.	5.5	16
80	Directing a rational design of aptamer-based fluorescence anisotropy assay for sensitive detection of immunoglobulin E by site-specific binding study. <i>Talanta</i> , 2020, 217, 121018.	5.5	16
81	Metal Cation Mediated-Capillary Electrophoresis of Nucleic Acids. <i>Analytical Chemistry</i> , 2010, 82, 487-490.	6.5	15
82	Epigenotoxicity of environmental pollutants evaluated by a combination of DNA methylation inhibition and capillary electrophoresis-laser-induced fluorescence immunoassay. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2435-2442.	3.7	15
83	Enhancing the Affinity of Anti-Human α -Thrombin 15-mer DNA Aptamer and Anti-Immunoglobulin E Aptamer by PolyT Extension. <i>Analytical Chemistry</i> , 2017, 89, 9467-9473.	6.5	15
84	Tetrachloro-1,4-benzoquinone induces apoptosis of mouse embryonic stem cells. <i>Journal of Environmental Sciences</i> , 2017, 51, 5-12.	6.1	15
85	The proinflammatory cytokine TNF α induces DNA demethylation-dependent and -independent activation of interleukin-32 expression. <i>Journal of Biological Chemistry</i> , 2019, 294, 6785-6795.	3.4	15
86	Development of Human Lung Induction Models for Air Pollutants TM Toxicity Assessment. <i>Environmental Science & Technology</i> , 2021, 55, 2440-2451.	10.0	15
87	Selective enzymatic cleavage and labeling for sensitive capillary electrophoresis laser-induced fluorescence analysis of oxidized DNA bases. <i>Journal of Chromatography A</i> , 2015, 1406, 324-330.	3.7	14
88	Affinity capillary electrophoresis with laser induced fluorescence detection for thrombin analysis using nuclease-resistant RNA aptamers. <i>Journal of Chromatography A</i> , 2016, 1476, 124-129.	3.7	14
89	An immunoassay for ochratoxin A using tetramethylrhodamine-labeled ochratoxin A as a probe based on a binding-induced change in fluorescence intensity. <i>Analyst</i> , 2020, 145, 651-655.	3.5	14
90	Melatonin modulates metabolic remodeling in HNSCC by suppressing MTHFD1L-formate axis. <i>Journal of Pineal Research</i> , 2021, 71, e12767.	7.4	14

#	ARTICLE	IF	CITATIONS
91	Quantification of Epigenetic DNA Modifications in the Subchromatin Structure Matrix Attachment Regions by Stable Isotope Dilution UHPLC-MS/MS Analysis. <i>Analytical Chemistry</i> , 2021, 93, 15567-15572.	6.5	14
92	Enzymatic digestion and chromatographic analysis of arsenic species released from proteins. <i>Journal of Chromatography A</i> , 2009, 1216, 3985-3991.	3.7	13
93	Ultralong AgNWs-induced toxicity in A549 cells and the important roles of ROS and autophagy. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109742.	6.0	12
94	Rare and misincorporated DNA N6-methyladenine is a hallmark of cytotoxic stresses for selectively stimulating the stemness and proliferation of glioblastoma cells. <i>Cell Discovery</i> , 2022, 8, 39.	6.7	12
95	Preparation, identification and analysis of stereoisomeric anti-benzo[a]pyrene diol epoxide- α -deoxyguanosine adducts using phenyl liquid chromatography with diode array, fluorescence and tandem mass spectrometry detection. <i>Journal of Chromatography A</i> , 2008, 1183, 119-128.	3.7	11
96	Identification and characterization of cysteinyl exposure in proteins by selective mercury labeling and nano-electrospray ionization quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1523-1532.	1.5	11
97	Detection of human neutrophil elastase by aptamer affinity capillary electrophoresis coupled with laser-induced fluorescence using specified site fluorescently labeled aptamer. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6843-6849.	3.7	11
98	Predominance of N6-Methyladenine-Specific DNA Fragments Enriched by Multiple Immunoprecipitation. <i>Analytical Chemistry</i> , 2018, 90, 5546-5551.	6.5	10
99	Small molecules capable of activating DNA methylation-repressed genes targeted by the p38 mitogen-activated protein kinase pathway. <i>Journal of Biological Chemistry</i> , 2018, 293, 7423-7436.	3.4	10
100	Improved preparation and identification of aristolochic acid-DNA adducts by solid-phase extraction with liquid chromatography-tandem mass spectrometry. <i>Journal of Environmental Sciences</i> , 2009, 21, 1769-1776.	6.1	9
101	Capillary Monolithic Bioreactor of Immobilized Snake Venom Phosphodiesterase for Mass Spectrometry Based Oligodeoxynucleotide Sequencing. <i>Analytical Chemistry</i> , 2012, 84, 1157-1164.	6.5	9
102	Self-Assembled TiO ₂ @Biospore Microspheres for Sensitive DNA Analysis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34696-34705.	8.0	9
103	In situ calibration of Direct Analysis in Real Time-mass spectrometry for direct quantification: Urine excretion rate index creatinine as an example. <i>Talanta</i> , 2019, 201, 134-142.	5.5	9
104	Idarubicin Stimulates Cell Cycle- and TET2-Dependent Oxidation of DNA 5-Methylcytosine in Cancer Cells. <i>Chemical Research in Toxicology</i> , 2019, 32, 861-868.	3.3	9
105	Formic Acid of ppm Enhances LC-MS/MS Detection of UV Irradiation-Induced DNA Dimeric Photoproducts. <i>Analytical Chemistry</i> , 2020, 92, 1197-1204.	6.5	9
106	MEK inhibitor PD0325901 and vitamin C synergistically induce hypomethylation of mouse embryonic stem cells. <i>Oncotarget</i> , 2016, 7, 39730-39739.	1.8	9
107	Simultaneous analysis of four stereoisomers of anti-benzo[a]pyrene diol epoxide- α -deoxyguanosine adducts in short oligodeoxynucleotides using reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1162, 141-148.	3.7	8
108	UHPLC-Q-TOF/MS detection of UV-induced TpT dimeric lesions in genomic DNA. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1096, 135-142.	2.3	8

#	ARTICLE	IF	CITATIONS
109	Protonation-Induced Suppression-Free LC-MS/MS Analysis for Profiling of DNA Cytosine Modifications in Adult Mice. <i>Analytical Chemistry</i> , 2020, 92, 7430-7436.	6.5	8
110	Immunoassay of Small Molecule Mediated by a Triply Functional DNA. <i>Analytical Chemistry</i> , 2021, 93, 4794-4799.	6.5	8
111	Study of protein binding and micellar partition of highly hydrophobic molecules in a single system using capillary electrophoresis. <i>Electrophoresis</i> , 2008, 29, 3038-3046.	2.4	7
112	Quantitative study of stereospecific binding of monoclonal antibody to anti-benzo(a)pyrene diol epoxide-N2-dG adducts by capillary electrophoresis immunoassay. <i>Journal of Chromatography A</i> , 2010, 1217, 2254-2261.	3.7	7
113	Ultra-long silver nanowires induced mitotic abnormalities and cytokinetic failure in A549 cells. <i>Nanotoxicology</i> , 2019, 13, 543-557.	3.0	7
114	Keep swimming but stop peeing in the pools. <i>Journal of Environmental Sciences</i> , 2017, 53, 322-325.	6.1	6
115	Fluorescent imaging of cytoplasmic nucleolin in live cells by a functionalized-engineered aptamer. <i>Chemical Communications</i> , 2020, 56, 14171-14174.	4.1	6
116	Necrosulfonamide Selectively Induces DNA Double-Strand Breaks in Acute Myeloid Leukemia Cells. <i>Chemical Research in Toxicology</i> , 2022, 35, 387-391.	3.3	6
117	Fabrication and fluorescence imaging of human low-density lipoprotein coatings for highly efficient capillary electrophoresis separation of basic proteins. <i>Electrophoresis</i> , 2009, 30, 1362-1371.	2.4	5
118	DNA N6-methyladenine modification: a new role for epigenetic silencing in mammalian. <i>National Science Review</i> , 2016, 3, 411-411.	9.5	5
119	Affinity maturation of an antibody for the UV-induced DNA lesions 6,4 pyrimidine-pyrimidones. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6409-6424.	3.6	5
120	High-affinity and undissociated capillary electrophoresis for DNA strand exchange analysis. <i>Chemical Communications</i> , 2020, 56, 7403-7406.	4.1	4
121	Antibiotic Toxicity Profiles of Escherichia coli Strains Lacking DNA Methyltransferases. <i>ACS Omega</i> , 2021, 6, 7834-7840.	3.5	4
122	Detection of N6-Methyladenine in Eukaryotes. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1280, 83-95.	1.6	4
123	Detection of 1,N2-propano-2-deoxyguanosine in human urine by stable isotope dilution UHPLC-MS/MS analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1023-1024, 68-71.	2.3	3
124	An electroosmotic flow-free two-direction migration strategy enables fast affinity capillary electrophoresis to study the weak interactions between basic peptides and RNA. <i>Analytical Methods</i> , 2020, 12, 5833-5838.	2.7	3
125	Precise sequencing of single protected-DNA fragment molecules for profiling of protein distribution and assembly on DNA. <i>Chemical Science</i> , 2021, 12, 2039-2049.	7.4	3
126	Detection and Quantification of UV-radiation-induced DNA Damages by Liquid Chromatography-Mass Spectrometry and Immunoassay. <i>Photochemistry and Photobiology</i> , 2021, , .	2.5	3

#	ARTICLE	IF	CITATIONS
127	MutL associates with Escherichia coli RecA and inhibits its ATPase activity. Archives of Biochemistry and Biophysics, 2012, 517, 98-103.	3.0	2
128	Engineered SNAP-MBD2b proteins for specific recognition of methylated DNA. Science China Chemistry, 2014, 57, 1019-1025.	8.2	2
129	A fluorophore-conjugated ascorbic acid functions for the visualization of sodium vitamin C transporters in living cells. Analytical Methods, 2015, 7, 9663-9672.	2.7	2
130	Synthesis and purification of biotinylated oligodeoxynucleotides containing single TpT dimeric pyrimidine (6-4) pyrimidone lesion. Analytical and Bioanalytical Chemistry, 2019, 411, 4123-4129.	3.7	2
131	Quantitative assessments of adenosine triphosphatase hydrolytic activity by ultrafiltration-coupled ion-pair reversed-phase high-performance liquid chromatography. Journal of Separation Science, 2020, 43, 3840-3846.	2.5	2
132	Transiently gene-modulated cell reporter for ultrasensitive detection of estrogen-like compounds in tap water. Chemosphere, 2022, 289, 133161.	8.2	2
133	Electrophoretic behavior of DNA-methyl-CpG-binding domain protein complexes revealed by capillary electrophoresis laser-induced fluorescence. Electrophoresis, 2015, 36, 3088-3093.	2.4	1
134	Identification of epigenetic regulators in the estrogen signaling pathway via siRNA screening. Molecular Omics, 2021, 17, 596-606.	2.8	1
135	Conjoint expression and purification strategy for acquiring proteins with ultra-low DNA N6-methyladenine backgrounds in Escherichia coli. Bioscience Reports, 2021, 41, .	2.4	1
136	Magnetic multi-enzyme cascade combined with liquid chromatography tandem mass spectrometry for fast DNA digestion and quantitative analysis of 5-hydroxymethylcytosine in genome of human bladder cancer T24 cells induced by tetrachlorobenzoquinone. Journal of Chromatography A, 2022, 1676, 463279.	3.7	1
137	An Alternative Culture Method to Maintain Genomic Hypomethylation of Mouse Embryonic Stem Cells Using MEK Inhibitor PD0325901 and Vitamin C. Journal of Visualized Experiments, 2018, , .	0.3	0
138	One-pot intramolecular cyclization of 5-hydroxymethylcytosine for sequencing DNA hydroxymethylation at single-base resolution. Analyst, The, 2021, 146, 820-824.	3.5	0
139	Profiling of the assembly of RecA nucleofilaments implies a potential target for environmental factors to disturb DNA repair. Journal of Environmental Sciences, 2021, 102, 283-290.	6.1	0
140	Metabolically Generated Stable Isotope for Identification of DNA N6-Methyladenine Origin in Cultured Mammalian Cells. Springer Protocols, 2022, , 105-114.	0.3	0