

X Chris Le

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6075973/publications.pdf>

Version: 2024-02-01

322
papers

19,157
citations

9234

74
h-index

16605

123
g-index

336
all docs

336
docs citations

336
times ranked

14396
citing authors

#	ARTICLE	IF	CITATIONS
1	Rolling circle amplification: a versatile tool for chemical biology, materials science and medicine. <i>Chemical Society Reviews</i> , 2014, 43, 3324.	18.7	837
2	Arsenic Binding to Proteins. <i>Chemical Reviews</i> , 2013, 113, 7769-7792.	23.0	639
3	A microRNA-initiated DNAzyme motor operating in living cells. <i>Nature Communications</i> , 2017, 8, 14378.	5.8	448
4	DNA-Mediated Homogeneous Binding Assays for Nucleic Acids and Proteins. <i>Chemical Reviews</i> , 2013, 113, 2812-2841.	23.0	381
5	Arsenic speciation analysis. <i>Talanta</i> , 2002, 58, 77-96.	2.9	338
6	Speciation of Key Arsenic Metabolic Intermediates in Human Urine. <i>Analytical Chemistry</i> , 2000, 72, 5172-5177.	3.2	319
7	Aptamer binding assays for proteins: The thrombin example—A review. <i>Analytica Chimica Acta</i> , 2014, 837, 1-15.	2.6	317
8	Binding-Induced Fluorescence Turn-On Assay Using Aptamer-Functionalized Silver Nanocluster DNA Probes. <i>Analytical Chemistry</i> , 2012, 84, 5170-5174.	3.2	303
9	Molecular Diagnosis of COVID-19: Challenges and Research Needs. <i>Analytical Chemistry</i> , 2020, 92, 10196-10209.	3.2	294
10	Biotransformation of arsenic by a Yellowstone thermoacidophilic eukaryotic alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5213-5217.	3.3	267
11	Electrochemical DNAzyme Sensor for Lead Based on Amplification of DNA [†] Au Bio-Bar Codes. <i>Analytical Chemistry</i> , 2008, 80, 6323-6328.	3.2	263
12	Occurrence of Monomethylarsonous Acid in Urine of Humans Exposed to Inorganic Arsenic. <i>Chemical Research in Toxicology</i> , 2000, 13, 693-697.	1.7	256
13	Selection and analytical applications of aptamers. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 681-691.	5.8	249
14	Human urinary arsenic excretion after one-time ingestion of seaweed, crab, and shrimp. <i>Clinical Chemistry</i> , 1994, 40, 617-624.	1.5	224
15	Exponential Isothermal Amplification of Nucleic Acids and Assays for Proteins, Cells, Small Molecules, and Enzyme Activities: An EXPAR Example. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11856-11866.	7.2	222
16	Inducible Repair of Thymine Glycol Detected by an Ultrasensitive Assay for DNA Damage. <i>Science</i> , 1998, 280, 1066-1069.	6.0	209
17	Speciation of Submicrogram per Liter Levels of Arsenic in Water: An On-Site Species Separation Integrated with Sample Collection. <i>Environmental Science & Technology</i> , 2000, 34, 2342-2347.	4.6	195
18	Dynamic DNA Assemblies Mediated by Binding-Induced DNA Strand Displacement. <i>Journal of the American Chemical Society</i> , 2013, 135, 2443-2446.	6.6	195

#	ARTICLE	IF	CITATIONS
19	Aptamers Facilitating Amplified Detection of Biomolecules. <i>Analytical Chemistry</i> , 2015, 87, 274-292.	3.2	176
20	DNAzyme-Mediated Assays for Amplified Detection of Nucleic Acids and Proteins. <i>Analytical Chemistry</i> , 2018, 90, 190-207.	3.2	176
21	Effect of arsenosugar ingestion on urinary arsenic speciation. <i>Clinical Chemistry</i> , 1998, 44, 539-550.	1.5	174
22	Unstable trivalent arsenic metabolites, monomethylarsonous acid and dimethylarsinous acid. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1409-1413.	1.6	174
23	Isothermal Amplification and Ambient Visualization in a Single Tube for the Detection of SARS-CoV-2 Using Loop-Mediated Amplification and CRISPR Technology. <i>Analytical Chemistry</i> , 2020, 92, 16204-16212.	3.2	172
24	Excretion of arsenic in urine as a function of exposure to arsenic in drinking water.. <i>Environmental Health Perspectives</i> , 1999, 107, 663-667.	2.8	160
25	Binding-Induced DNA Nanomachines Triggered by Proteins and Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14326-14330.	7.2	158
26	Signal Amplification in Living Cells: A Review of microRNA Detection and Imaging. <i>Analytical Chemistry</i> , 2020, 92, 292-308.	3.2	148
27	Determination of monomethylarsonous acid, a key arsenic methylation intermediate, in human urine.. <i>Environmental Health Perspectives</i> , 2000, 108, 1015-1018.	2.8	147
28	Evidence of Hemoglobin Binding to Arsenic as a Basis for the Accumulation of Arsenic in Rat Blood. <i>Chemical Research in Toxicology</i> , 2004, 17, 1733-1742.	1.7	146
29	Assembling DNA through Affinity Binding to Achieve Ultrasensitive Protein Detection. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10698-10705.	7.2	146
30	Metabolomics analysis of TiO ₂ nanoparticles induced toxicological effects on rice (<i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2017, 230, 302-310.	3.7	146
31	Disruption of the Arsenic (+3 Oxidation State) Methyltransferase Gene in the Mouse Alters the Phenotype for Methylation of Arsenic and Affects Distribution and Retention of Orally Administered Arsenate. <i>Chemical Research in Toxicology</i> , 2009, 22, 1713-1720.	1.7	145
32	CRISPR technology incorporating amplification strategies: molecular assays for nucleic acids, proteins, and small molecules. <i>Chemical Science</i> , 2021, 12, 4683-4698.	3.7	145
33	Prereduction of arsenic(V) to arsenic(III), enhancement of the signal, and reduction of interferences by L-cysteine in the determination of arsenic by hydride generation. <i>Analytical Chemistry</i> , 1992, 64, 667-672.	3.2	142
34	Detection of <i>Escherichia coli</i> O157:H7 Using Gold Nanoparticle Labeling and Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 3399-3403.	3.2	141
35	Possible Role of Dimethylarsinous Acid in Dimethylarsinic Acid-Induced Urothelial Toxicity and Regeneration in the Rat. <i>Chemical Research in Toxicology</i> , 2002, 15, 1150-1157.	1.7	139
36	Novel nuclear and mitochondrial glycosylases revealed by disruption of the mouse <i>Nth1</i> gene encoding an endonuclease III homolog for repair of thymine glycols. <i>EMBO Journal</i> , 2002, 21, 3486-3493.	3.5	139

#	ARTICLE	IF	CITATIONS
37	Selection of Aptamers against Live Bacterial Cells. <i>Analytical Chemistry</i> , 2008, 80, 7812-7819.	3.2	131
38	Aptamer-Linked Assay for Thrombin Using Gold Nanoparticle Amplification and Inductively Coupled Plasma-Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2009, 81, 7484-7489.	3.2	131
39	Comparative cytotoxicity of fourteen trivalent and pentavalent arsenic species determined using real-time cell sensing. <i>Journal of Environmental Sciences</i> , 2016, 49, 113-124.	3.2	131
40	Arsenic-induced bladder cancer in an animal model. <i>Toxicology and Applied Pharmacology</i> , 2007, 222, 258-263.	1.3	129
41	Comparative Toxicity of Arsenic Metabolites in Human Bladder Cancer EJ-1 Cells. <i>Chemical Research in Toxicology</i> , 2011, 24, 1586-1596.	1.7	129
42	Ultrasensitive Detection of Proteins by Amplification of Affinity Aptamers. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1576-1580.	7.2	128
43	Antimony speciation and contamination of waters in the Xikuangshan antimony mining and smelting area, China. <i>Environmental Geochemistry and Health</i> , 2010, 32, 401-413.	1.8	127
44	Sample Preparation and Storage Can Change Arsenic Speciation in Human Urine. <i>Clinical Chemistry</i> , 1999, 45, 1988-1997.	1.5	124
45	Ultrasensitive assays for proteins. <i>Analyst</i> , 2007, 132, 724.	1.7	124
46	DMPS-Arsenic Challenge Test. <i>Toxicology and Applied Pharmacology</i> , 2000, 165, 74-83.	1.3	123
47	Peer Reviewed: Arsenic Speciation. <i>Analytical Chemistry</i> , 2004, 76, 26 A-33 A.	3.2	121
48	Short-Column Liquid Chromatography with Hydride Generation Atomic Fluorescence Detection for the Speciation of Arsenic. <i>Analytical Chemistry</i> , 1998, 70, 1926-1933.	3.2	119
49	Aptamer-Based Affinity Chromatographic Assays for Thrombin. <i>Analytical Chemistry</i> , 2008, 80, 7586-7593.	3.2	118
50	Thermal Stability of DNA Functionalized Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2013, 24, 1790-1797.	1.8	112
51	Speciation of Arsenic Compounds Using High-Performance Liquid Chromatography at Elevated Temperature and Selective Hydride Generation Atomic Fluorescence Detection. <i>Analytical Chemistry</i> , 1996, 68, 4501-4506.	3.2	111
52	Arsenic Speciation in Urine from Acute Promyelocytic Leukemia Patients undergoing Arsenic Trioxide Treatment. <i>Chemical Research in Toxicology</i> , 2004, 17, 95-103.	1.7	111
53	Aptamer-Modified Monolithic Capillary Chromatography for Protein Separation and Detection. <i>Analytical Chemistry</i> , 2008, 80, 3915-3920.	3.2	110
54	Speciation of arsenic compounds by HPLC with hydride generation atomic absorption spectrometry and inductively coupled plasma mass spectrometry detection. <i>Talanta</i> , 1994, 41, 495-502.	2.9	109

#	ARTICLE	IF	CITATIONS
55	Interaction of Trivalent Arsenicals with Metallothionein. <i>Chemical Research in Toxicology</i> , 2003, 16, 873-880.	1.7	108
56	Binding of Dimethylarsinous Acid to Cys-131 of Rat Hemoglobin Is Responsible for the Retention of Arsenic in Rat Blood. <i>Chemical Research in Toxicology</i> , 2007, 20, 27-37.	1.7	107
57	Detection of Human Immunodeficiency Virus Type 1 Reverse Transcriptase Using Aptamers as Probes in Affinity Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2001, 73, 6070-6076.	3.2	102
58	The CRISPR-Cas toolbox for analytical and diagnostic assay development. <i>Chemical Society Reviews</i> , 2021, 50, 11844-11869.	18.7	102
59	Selection and analytical applications of aptamers binding microbial pathogens. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1587-1597.	5.8	101
60	A Molecular Translator that Acts by Binding-Induced DNA Strand Displacement for a Homogeneous Protein Assay. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9317-9320.	7.2	98
61	Arsenic speciation analysis: A review with an emphasis on chromatographic separations. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115770.	5.8	98
62	Tunable Aptamer Capillary Electrophoresis and Its Application to Protein Analysis. <i>Journal of the American Chemical Society</i> , 2008, 130, 34-35.	6.6	96
63	Use of quantum dots in the development of assays for cancer biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3213-3224.	1.9	93
64	Volatile Arsenic Species Released from <i>Escherichia coli</i> Expressing the AsIII S-adenosylmethionine Methyltransferase Gene. <i>Environmental Science & Technology</i> , 2008, 42, 3201-3206.	4.6	90
65	Effect of cysteine on the speciation of arsenic by using hydride generation atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1994, 285, 277-285.	2.6	88
66	Speciation of arsenic compounds in some marine organisms. <i>Environmental Science & Technology</i> , 1994, 28, 1598-1604.	4.6	87
67	Chronic Arsenic Exposure and Oxidative Stress: OGG1 Expression and Arsenic Exposure, Nail Selenium, and Skin Hyperkeratosis in Inner Mongolia. <i>Environmental Health Perspectives</i> , 2006, 114, 835-841.	2.8	87
68	Universal Strategy To Engineer Catalytic DNA Hairpin Assemblies for Protein Analysis. <i>Analytical Chemistry</i> , 2015, 87, 8063-8066.	3.2	87
69	Binding-Induced Formation of DNA Three-Way Junctions and Its Application to Protein Detection and DNA Strand Displacement. <i>Analytical Chemistry</i> , 2013, 85, 10835-10841.	3.2	84
70	Arsenic in drinking water—recent examples and updates from Southeast Asia. <i>Current Opinion in Environmental Science and Health</i> , 2019, 7, 126-135.	2.1	82
71	DNA Aptamers Binding to Multiple Prevalent M-Types of <i>Streptococcus pyogenes</i> . <i>Analytical Chemistry</i> , 2011, 83, 3640-3647.	3.2	80
72	Human urinary arsenic excretion after one-time ingestion of seaweed, crab, and shrimp. <i>Clinical Chemistry</i> , 1994, 40, 617-24.	1.5	80

#	ARTICLE	IF	CITATIONS
73	Reduction of interferences in the determination of germanium by hydride generation and atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 1990, 229, 239-247.	2.6	77
74	Studies of Protein-DNA Interactions by Capillary Electrophoresis/Laser-Induced Fluorescence Polarization. <i>Analytical Chemistry</i> , 2000, 72, 5583-5589.	3.2	75
75	Evidence for toxicity differences between inorganic arsenite and thioarsenicals in human bladder cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2009, 238, 133-140.	1.3	75
76	A new continuous hydride generator for the determination of arsenic, Antimony and tin by hydride generation atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1992, 258, 307-315.	2.6	74
77	Speciation of arsenic using solid phase extraction cartridges. <i>Journal of Environmental Monitoring</i> , 2001, 3, 81-85.	2.1	70
78	Therapeutic and analytical applications of arsenic binding to proteins. <i>Metallomics</i> , 2015, 7, 39-55.	1.0	70
79	CRISPR/Cas12a-mediated gold nanoparticle aggregation for colorimetric detection of SARS-CoV-2. <i>Chemical Communications</i> , 2021, 57, 6871-6874.	2.2	70
80	Speciation of arsenic compounds by using ion-pair chromatography with atomic spectrometry and mass spectrometry detection. <i>Journal of Chromatography A</i> , 1997, 764, 55-64.	1.8	69
81	Reduction of Background Generated from Template-Template Hybridizations in the Exponential Amplification Reaction. <i>Analytical Chemistry</i> , 2018, 90, 11033-11039.	3.2	69
82	Binding-Induced DNA Assembly and Its Application to Yoctomole Detection of Proteins. <i>Analytical Chemistry</i> , 2012, 84, 877-884.	3.2	68
83	Arsenobetaine: the ongoing mystery. <i>National Science Review</i> , 2016, 3, 451-458.	4.6	68
84	Applications of aptamer affinity chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 46-57.	5.8	66
85	Nuclear-matter density distribution in the neutron-rich nuclei $^{12,14}\text{Be}$ from proton elastic scattering in inverse kinematics. <i>Nuclear Physics A</i> , 2012, 875, 8-28.	0.6	66
86	Metabolomics and transcriptomics reveal defense mechanism of rice (<i>Oryza sativa</i>) grains under stress of 2,2,4,4-tetrabromodiphenyl ether. <i>Environment International</i> , 2019, 133, 105154.	4.8	66
87	Attenuation of DNA damage-induced p53 expression by arsenic: A possible mechanism for arsenic co-carcinogenesis. <i>Molecular Carcinogenesis</i> , 2008, 47, 508-518.	1.3	65
88	Dietary administration of sodium arsenite to rats: Relations between dose and urinary concentrations of methylated and thio-metabolites and effects on the rat urinary bladder epithelium. <i>Toxicology and Applied Pharmacology</i> , 2010, 244, 99-105.	1.3	65
89	Integrating Reverse Transcription Recombinase Polymerase Amplification with CRISPR Technology for the One-Tube Assay of RNA. <i>Analytical Chemistry</i> , 2021, 93, 12808-12816.	3.2	63
90	Determination of urinary arsenic and impact of dietary arsenic intake. <i>Talanta</i> , 1993, 40, 185-193.	2.9	62

#	ARTICLE	IF	CITATIONS
91	Arsenic-Induced Congenital Malformations in Genetically Susceptible Folate Binding Protein-2 Knockout Mice. <i>Toxicology and Applied Pharmacology</i> , 2001, 177, 238-246.	1.3	61
92	Arsenic on the Hands of Children after Playing in Playgrounds. <i>Environmental Health Perspectives</i> , 2004, 112, 1375-1380.	2.8	61
93	Aptamer Capturing of Enzymes on Magnetic Beads to Enhance Assay Specificity and Sensitivity. <i>Analytical Chemistry</i> , 2011, 83, 9234-9236.	3.2	61
94	Monitoring Biosynthetic Transformations of N-Acetylglucosamine Using Fluorescently Labeled Oligosaccharides and Capillary Electrophoretic Separation. <i>Analytical Biochemistry</i> , 1995, 227, 368-376.	1.1	60
95	ANALYSES OF MICRONUCLEI IN EXFOLIATED EPITHELIAL CELLS FROM INDIVIDUALS CHRONICALLY EXPOSED TO ARSENIC VIA DRINKING WATER IN INNER MONGOLIA, CHINA. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2001, 64, 473-484.	1.1	60
96	Arsenic Metabolites, Including <i>N</i> -Acetyl-4-hydroxy-m-arsanilic Acid, in Chicken Litter from a Roxarsone-Feeding Study Involving 1600 Chickens. <i>Environmental Science & Technology</i> , 2016, 50, 6737-6743.	4.6	60
97	Kinetics of Proximity-Induced Intramolecular DNA Strand Displacement. <i>Analytical Chemistry</i> , 2016, 88, 8152-8157.	3.2	56
98	Arsenic Speciation Analysis in Human Saliva. <i>Clinical Chemistry</i> , 2008, 54, 163-171.	1.5	54
99	Effect of arsenosugar ingestion on urinary arsenic speciation. <i>Clinical Chemistry</i> , 1998, 44, 539-50.	1.5	54
100	Fluorescence Polarization Studies of Affinity Interactions in Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1999, 71, 4183-4189.	3.2	53
101	Well Water Arsenic Exposure, Arsenic Induced Skin-Lesions and Self-Reported Morbidity in Inner Mongolia. <i>International Journal of Environmental Research and Public Health</i> , 2009, 6, 1010-1025.	1.2	53
102	Bioanalytical applications of aptamer and molecular-beacon probes in fluorescence-affinity assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 878-892.	5.8	53
103	Identification of Arsenic-Binding Proteins in Human Cells by Affinity Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 4144-4152.	3.2	53
104	Increased Mortality Associated with Well-Water Arsenic Exposure in Inner Mongolia, China. <i>International Journal of Environmental Research and Public Health</i> , 2009, 6, 1107-1123.	1.2	52
105	Constructing real-time, wash-free, and reiterative sensors for cell surface proteins using binding-induced dynamic DNA assembly. <i>Chemical Science</i> , 2015, 6, 5729-5733.	3.7	52
106	Methylated and thiolated arsenic species for environmental and health research – A review on synthesis and characterization. <i>Journal of Environmental Sciences</i> , 2016, 49, 7-27.	3.2	51
107	Arsenic Species in Chicken Breast: Temporal Variations of Metabolites, Elimination Kinetics, and Residual Concentrations. <i>Environmental Health Perspectives</i> , 2016, 124, 1174-1181.	2.8	50
108	Speciation of arsenic – A review of phenylarsenicals and related arsenic metabolites. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 171-182.	5.8	50

#	ARTICLE	IF	CITATIONS
109	Decomposition of organoarsenic compounds by using a microwave oven and subsequent determination by flow injection-hydride generation-atomic absorption spectrometry. <i>Applied Organometallic Chemistry</i> , 1992, 6, 161-171.	1.7	49
110	Mouse Arsenic (+3 Oxidation State) Methyltransferase Genotype Affects Metabolism and Tissue Dosimetry of Arsenicals after Arsenite Administration in Drinking Water. <i>Toxicological Sciences</i> , 2011, 124, 320-326.	1.4	49
111	Analysis by capillary electrophoresis-laser-induced fluorescence detection of oligosaccharides produced from enzyme reactions. <i>Journal of Chromatography A</i> , 1995, 716, 215-220.	1.8	48
112	A review on arsenic concentrations in Canadian drinking water. <i>Environmental Reviews</i> , 2010, 18, 291-307.	2.1	48
113	Liquid chromatography combined with atomic and molecular mass spectrometry for speciation of arsenic in chicken liver. <i>Journal of Chromatography A</i> , 2014, 1370, 40-49.	1.8	48
114	Direct large volume injection ultra-high performance liquid chromatography-tandem mass spectrometry determination of artificial sweeteners sucralose and acesulfame in well water. <i>Journal of Chromatography A</i> , 2014, 1359, 156-161.	1.8	48
115	Differential cytotoxic effects of arsenic compounds in human acute promyelocytic leukemia cells. <i>Toxicology and Applied Pharmacology</i> , 2009, 239, 64-70.	1.3	47
116	Polymeric micelles for GSH-triggered delivery of arsenic species to cancer cells. <i>Biomaterials</i> , 2014, 35, 7088-7100.	5.7	47
117	Cardiovascular disease and arsenic exposure in Inner Mongolia, China: a case control study. <i>Environmental Health</i> , 2015, 14, 35.	1.7	47
118	Speciation analysis of arsenic in groundwater from Inner Mongolia with an emphasis on acid-leachable particulate arsenic. <i>Analytica Chimica Acta</i> , 2006, 555, 181-187.	2.6	46
119	Differentiation and Detection of PDGF Isomers and Their Receptors by Tunable Aptamer Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2009, 81, 7795-7800.	3.2	46
120	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.	3.3	46
121	A Novel Pathway for Arsenic Elimination: Human Multidrug Resistance Protein 4 (MRP4/ABCC4) Mediates Cellular Export of Dimethylarsinic Acid (DMA ^V) and the Diglutathione Conjugate of Monomethylarsonous Acid (MMA ^{III}). <i>Molecular Pharmacology</i> , 2014, 86, 168-179.	1.0	45
122	Effects of dietary folate intake and folate binding protein-1 (Folbp1) on urinary speciation of sodium arsenate in mice. <i>Toxicology Letters</i> , 2003, 145, 167-174.	0.4	44
123	Nucleic acid aptamers improving fluorescence anisotropy and fluorescence polarization assays for small molecules. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 401-409.	5.8	44
124	Convenient method for the determination of trace amounts of germanium by hydride generation direct current plasma atomic emission spectrometry: interference reduction by L-cystine and L-cysteine. <i>Journal of Analytical Atomic Spectrometry</i> , 1989, 4, 227.	1.6	43
125	Assays for cytokines using aptamers. <i>Methods</i> , 2006, 38, 324-330.	1.9	43
126	Biological and behavioral factors modify urinary arsenic metabolic profiles in a U.S. population. <i>Environmental Health</i> , 2016, 15, 62.	1.7	43

#	ARTICLE	IF	CITATIONS
127	Interference reduction by L-cystine in the determination of arsenic by hydride generation. <i>Analytical Chemistry</i> , 1988, 60, 1185-1188.	3.2	42
128	Simultaneous speciation of selenium and arsenic using elevated temperature liquid chromatography separation with inductively coupled plasma mass spectrometry detection. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998, 53, 899-909.	1.5	42
129	Speciation of Dimethylarsinous Acid and Trimethylarsine Oxide in Urine from Rats Fed with Dimethylarsinic Acid and Dimercaptopropane Sulfonate. <i>Analytical Chemistry</i> , 2003, 75, 6463-6468.	3.2	42
130	Arsenic Speciation in the Blood of Arsenite-Treated F344 Rats. <i>Chemical Research in Toxicology</i> , 2013, 26, 952-962.	1.7	42
131	Enzyme-assisted extraction and liquid chromatography mass spectrometry for the determination of arsenic species in chicken meat. <i>Analytica Chimica Acta</i> , 2015, 888, 1-9.	2.6	41
132	Metabolomic analysis of two rice (<i>Oryza sativa</i>) varieties exposed to 2, 2,4,4-tetrabromodiphenyl ether. <i>Environmental Pollution</i> , 2018, 237, 308-317.	3.7	41
133	Competitive immunoassay for staphylococcal enterotoxin A using capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 1999, 853, 545-553.	1.8	40
134	Azidophenylarsenoxide: An Arsenical Bait for the In Situ Capture and Identification of Cellular Arsenic-Binding Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14051-14056.	7.2	40
135	Fluorescence polarization detection for affinity capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 903-908.	1.3	39
136	Methylated Phenylarsenical Metabolites Discovered in Chicken Liver. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6773-6777.	7.2	39
137	Determination of trace amounts of tin by hydride generation direct current plasma atomic emission spectrometry: interference reduction by L-cystine. <i>Analyst, The</i> , 1988, 113, 1377.	1.7	38
138	Low pressure chromatographic separation of inorganic arsenic species using solid phase extraction cartridges. <i>Talanta</i> , 1998, 47, 787-796.	2.9	38
139	Monomethylarsenic Diglutathione Transport by the Human Multidrug Resistance Protein 1 (MRP1/ABCC1). <i>Drug Metabolism and Disposition</i> , 2011, 39, 2298-2304.	1.7	38
140	Application of signal enhancement by easily ionized elements in hydride generation direct current plasma atomic emission spectrometric determination of arsenic, antimony, germanium, tin, and lead. <i>Analytical Chemistry</i> , 1989, 61, 1175-1178.	3.2	37
141	Migration time correction for the analysis of derivatized amino acids and oligosaccharides by micellar capillary electrochromatography. <i>Journal of Chromatography A</i> , 2000, 869, 375-384.	1.8	37
142	Human nails as a biomarker of arsenic exposure from well water in Inner Mongolia: comparing atomic fluorescence spectrometry and neutron activation analysis. <i>Biomarkers</i> , 2005, 10, 95-104.	0.9	37
143	Biological and behavioral factors modify biomarkers of arsenic exposure in a U.S. population. <i>Environmental Research</i> , 2013, 126, 134-144.	3.7	37
144	Competitive immunoassay for cyclosporine using capillary electrophoresis with laser induced fluorescence polarization detection. <i>Biomedical Applications</i> , 1998, 714, 59-67.	1.7	36

#	ARTICLE	IF	CITATIONS
145	DNA-Driven Focusing for Protein-DNA Binding Assays Using Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2005, 77, 4985-4990.	3.2	36
146	Study of interactions between arsenicals and thioredoxins (human and <i>E. coli</i>) using mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3658-3666.	0.7	36
147	Glutathione-Mediated Detoxification of Halobenzoquinone Drinking Water Disinfection Byproducts in T24 Cells. <i>Toxicological Sciences</i> , 2014, 141, 335-343.	1.4	36
148	Ultrasensitive protein-DNA binding assays. <i>Current Opinion in Biotechnology</i> , 2003, 14, 65-73.	3.3	35
149	Enhancement of Immunocomplex Detection and Application to Assays for DNA Adduct of Benzo[a]pyrene. <i>Analytical Chemistry</i> , 2003, 75, 247-254.	3.2	35
150	DNase-Mediated Single-Cycle Selection of Aptamers for Proteins Blotted on a Membrane. <i>Analytical Chemistry</i> , 2012, 84, 7603-7606.	3.2	35
151	Impact of petroleum coke characteristics on the adsorption of the organic fractions from oil sands process-affected water. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 2037-2050.	1.8	35
152	An improved SELEX technique for selection of DNA aptamers binding to M-type 11 of <i>Streptococcus pyogenes</i> . <i>Methods</i> , 2016, 97, 51-57.	1.9	35
153	Complementary chromatography separation combined with hydride generation-inductively coupled plasma mass spectrometry for arsenic speciation in human urine. <i>Analytica Chimica Acta</i> , 2010, 675, 71-75.	2.6	34
154	Quantum Dots Enhanced Ultrasensitive Detection of DNA Adducts. <i>Analytical Chemistry</i> , 2009, 81, 10285-10289.	3.2	33
155	Single cell studies of enzymatic hydrolysis of a tetramethylrhodamine labeled triglucoside in yeast. <i>Glycobiology</i> , 1999, 9, 219-225.	1.3	32
156	Arsenic speciation in saliva of acute promyelocytic leukemia patients undergoing arsenic trioxide treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1903-1911.	1.9	32
157	Plant Natural Products Calycosin and Gallic Acid Synergistically Attenuate Neutrophil Infiltration and Subsequent Injury in Isoproterenol-Induced Myocardial Infarction: A Possible Role for Leukotriene B4 12-Hydroxydehydrogenase?. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-12.	1.9	32
158	Characterization of natural organic matter in water for optimizing water treatment and minimizing disinfection by-product formation. <i>Journal of Environmental Sciences</i> , 2016, 42, 1-5.	3.2	32
159	Polymorphic variants of MRP4/ABCC4 differentially modulate the transport of methylated arsenic metabolites and physiological organic anions. <i>Biochemical Pharmacology</i> , 2016, 120, 72-82.	2.0	32
160	Study of binding stoichiometries of the human immunodeficiency virus type-1 reverse transcriptase by capillary electrophoresis and laser-induced fluorescence polarization using aptamers as probes. <i>Electrophoresis</i> , 2006, 27, 433-441.	1.3	31
161	Electrospray Ionization Mass Spectrometry Characterization of Interactions of Newly Identified Water Disinfection Byproducts Halobenzoquinones with Oligodeoxynucleotides. <i>Environmental Science & Technology</i> , 2010, 44, 9557-9563.	4.6	31
162	Study of the enzymatic transformation of fluorescently labeled oligosaccharides in human epidermoid cells using capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 1997, 781, 515-522.	1.8	30

#	ARTICLE	IF	CITATIONS
163	First feasibility experiment for the EXL project with prototype detectors at the ESR storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 77-84.	0.7	30
164	Methylated pentavalent arsenic metabolites are bifunctional inducers, as they induce cytochrome P450 1A1 and NAD(P)H:quinone oxidoreductase through AhR- and Nrf2-dependent mechanisms. Free Radical Biology and Medicine, 2014, 67, 171-187.	1.3	30
165	ATPase activity tightly regulates RecA nucleofilaments to promote homologous recombination. Cell Discovery, 2017, 3, 16053.	3.1	30
166	Binding-Induced DNA Dissociation Assay for Small Molecules: Sensing Aflatoxin B1. ACS Sensors, 2018, 3, 2590-2596.	4.0	29
167	Determination of Arsenic Metabolic Complex Excreted in Human Urine after Administration of Sodium 2,3-Dimercapto-1-propane Sulfonate. Chemical Research in Toxicology, 2002, 15, 1318-1323.	1.7	28
168	Identification of Reactive Cysteines in a Protein Using Arsenic Labeling and Collision-Induced Dissociation Tandem Mass Spectrometry. Journal of Proteome Research, 2008, 7, 3080-3090.	1.8	28
169	Rice: Reducing arsenic content by controlling water irrigation. Journal of Environmental Sciences, 2015, 30, 129-131.	3.2	28
170	Biotransformation of arsenic-containing roxarsone by an aerobic soil bacterium Enterobacter sp. CZ-1. Environmental Pollution, 2019, 247, 482-487.	3.7	28
171	Competitive immunoassay for vancomycin using capillary electrophoresis with laser-induced fluorescence detection. Analyst, The, 2002, 127, 1633-1637.	1.7	27
172	Immunoassays using capillary electrophoresis laser induced fluorescence detection for DNA adducts. Analytica Chimica Acta, 2003, 500, 13-20.	2.6	27
173	Immunoassay of P-glycoprotein on single cell by capillary electrophoresis with laser induced fluorescence detection. Analytica Chimica Acta, 2006, 556, 340-346.	2.6	26
174	Speciation of vanadium in oilsand coke and bacterial culture by high performance liquid chromatography inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2007, 602, 17-22.	2.6	26
175	Competitive Protection of Aptamer-Functionalized Gold Nanoparticles by Controlling the DNA Assembly. Analytical Chemistry, 2011, 83, 6464-6467.	3.2	26
176	One-pot fabrication of clickable monoliths for enzyme reactors. Chemical Communications, 2013, 49, 1407.	2.2	26
177	Biomarkers of arsenic exposure and effects in a Canadian rural population exposed through groundwater consumption. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 127-134.	1.8	26
178	Binding-Induced Molecular Amplifier as a Universal Detection Platform for Biomolecules and Biomolecular Interaction. Analytical Chemistry, 2018, 90, 8651-8657.	3.2	26
179	Aptamer binding assays and molecular interaction studies using fluorescence anisotropy - A review. Analytica Chimica Acta, 2020, 1125, 267-278.	2.6	26
180	Sample preparation and storage can change arsenic speciation in human urine. Clinical Chemistry, 1999, 45, 1988-97.	1.5	26

#	ARTICLE	IF	CITATIONS
181	Capillary electrophoretic immunoassays for digoxin and gentamicin with laser-induced fluorescence polarization detection. <i>Biomedical Applications</i> , 1999, 734, 31-38.	1.7	25
182	Zinc exposure in Chinese foundry workers. , 1999, 35, 574-580.		25
183	Synthesis, Characterization, and Applications of a Fluorescent Probe of DNA Damage. <i>Chemical Research in Toxicology</i> , 2001, 14, 1513-1522.	1.7	25
184	Binding Stoichiometry of DNA Adducts with Antibody Studied by Capillary Electrophoresis and Laser-Induced Fluorescence. <i>Analytical Chemistry</i> , 2002, 74, 3714-3719.	3.2	25
185	Capillary electrophoresis coupled with laser-induced fluorescence polarization as a hybrid approach to ultrasensitive immunoassays. <i>Journal of Chromatography A</i> , 1999, 853, 555-562.	1.8	24
186	Detection of DNA adducts of benzo[a]pyrene using immunoelectrophoresis with laser-induced fluorescence. <i>Journal of Chromatography A</i> , 2001, 924, 377-386.	1.8	24
187	Genetic predisposition to the cytotoxicity of arsenic: the role of DNA damage and ATM. <i>FASEB Journal</i> , 2003, 17, 2310-2312.	0.2	24
188	Developmental consequences of in utero sodium arsenate exposure in mice with folate transport deficiencies. <i>Toxicology and Applied Pharmacology</i> , 2005, 203, 18-26.	1.3	24
189	Biomonitoring of Arsenic in Urine and Saliva of Children Playing on Playgrounds Constructed from Chromated Copper Arsenate-Treated Wood. <i>Environmental Science & Technology</i> , 2010, 44, 3986-3991.	4.6	24
190	<i>N</i>-Propargyl Caffeate Amide (PACA) Potentiates Nerve Growth Factor (NGF)-Induced Neurite Outgrowth and Attenuates 6-Hydroxydopamine (6-OHDA)-Induced Toxicity by Activating the Nrf2/HO-1 Pathway. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1560-1569.	1.7	24
191	Arsenic speciation in hair and nails of acute promyelocytic leukemia (APL) patients undergoing arsenic trioxide treatment. <i>Talanta</i> , 2018, 184, 446-451.	2.9	24
192	Aptamer Binding Assay for the E Antigen of Hepatitis B Using Modified Aptamers with G-Quadruplex Structures. <i>Analytical Chemistry</i> , 2020, 92, 6495-6501.	3.2	24
193	Bacterial Transformation of Pyrene in a Marine Environment. <i>Environmental Science & Technology</i> , 1996, 30, 1115-1119.	4.6	23
194	New Method and Detection of High Concentrations of Monomethylarsonous Acid Detected in Contaminated Groundwater. <i>Environmental Science & Technology</i> , 2010, 44, 5875-5880.	4.6	23
195	Formation of methylated oxyarsenicals and thioarsenicals in wild-type and arsenic (+3 oxidation) Tj ETQq1 1 0.784314 rgBT /Overlock 2013, 405, 1885-1891.	1.9	23
196	Removal of nanoparticles by coagulation. <i>Journal of Environmental Sciences</i> , 2015, 38, 168-171.	3.2	23
197	A Genome-Editing Nanomachine Constructed with a Clustered Regularly Interspaced Short Palindromic Repeats System and Activated by Near-Infrared Illumination. <i>ACS Nano</i> , 2020, 14, 2817-2826.	7.3	23
198	Bindingâ€Mediated Formation of Ribonucleoprotein Corona for Efficient Delivery and Control of CRISPR/Cas9. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11104-11109.	7.2	23

#	ARTICLE	IF	CITATIONS
199	N-Propargyl Caffeamide Skews Macrophages Towards a Resolving M2-Like Phenotype Against Myocardial Ischemic Injury via Activating Nrf2/HO-1 Pathway and Inhibiting NF- κ B Pathway. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 2544-2557.	1.1	21
200	Arsenic species in electronic cigarettes: Determination and potential health risk. <i>Journal of Environmental Sciences</i> , 2020, 91, 168-176.	3.2	21
201	Uptake and Speciation of Vanadium in the Benthic Invertebrate <i>Hyaella azteca</i> . <i>Environmental Science & Technology</i> , 2014, 48, 731-738.	4.6	20
202	Characterization of Arsenic Hepatobiliary Transport Using Sandwich-Cultured Human Hepatocytes. <i>Toxicological Sciences</i> , 2015, 145, 307-320.	1.4	20
203	Cadmium in soybeans and the relevance to human exposure. <i>Journal of Environmental Sciences</i> , 2015, 37, 157-162.	3.2	20
204	Amplified binding-induced homogeneous assay through catalytic cycling of analyte for ultrasensitive protein detection. <i>Chemical Communications</i> , 2016, 52, 1816-1819.	2.2	20
205	Characterization of Mechanisms of Glutathione Conjugation with Halobenzoquinones in Solution and HepG2 Cells. <i>Environmental Science & Technology</i> , 2018, 52, 2898-2908.	4.6	20
206	Antibody-Bridged Beacon for Homogeneous Detection of Small Molecules. <i>Analytical Chemistry</i> , 2018, 90, 9667-9672.	3.2	20
207	Development of a tetramethylrhodamine-labeled probe for a capillary electrophoresis-based competitive immunoassay of staphylococcal enterotoxin B. <i>Analytica Chimica Acta</i> , 2002, 457, 21-28.	2.6	19
208	Boric acid-assisted anion-exchange chromatography for separating arsenic species. <i>Analytica Chimica Acta</i> , 2004, 526, 69-76.	2.6	19
209	Inorganic Arsenic-Induced Intramitochondrial Granules in Mouse Urothelium. <i>Toxicologic Pathology</i> , 2008, 36, 999-1005.	0.9	19
210	Mesoporous Materials in Peptidome Analysis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3518-3519.	7.2	19
211	The Effects of SELEX Conditions on the Resultant Aptamer Pools in the Selection of Aptamers Binding to Bacterial Cells. <i>Journal of Molecular Evolution</i> , 2015, 81, 194-209.	0.8	19
212	Microbial degradation of pyrene and characterization of a metabolite. <i>Science of the Total Environment</i> , 1996, 177, 17-29.	3.9	18
213	Measuring DNA Damage Using Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Methods</i> , 2000, 22, 157-163.	1.9	18
214	Effects of dietary folate intake and folate binding protein-2 (Folbp2) on urinary speciation of sodium arsenate in mice. <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 1-7.	2.0	18
215	Analysis of oxidized multi-walled carbon nanotubes in single K562 cells by capillary electrophoresis with laser-induced fluorescence. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 119-126.	1.9	18
216	Cytotoxicity, Apoptosis and DNA Damage Induced by <i>Alpinia galanga</i> Rhizome Extract. <i>Planta Medica</i> , 2007, 73, 748-754.	0.7	18

#	ARTICLE	IF	CITATIONS
217	Sequential Strand Displacement Beacon for Detection of DNA Coverage on Functionalized Gold Nanoparticles. <i>Analytical Chemistry</i> , 2014, 86, 6138-6143.	3.2	18
218	Identification of Methylated Dithioarsenicals in the Urine of Rats Fed with Sodium Arsenite. <i>Chemical Research in Toxicology</i> , 2016, 29, 1480-1487.	1.7	18
219	Chromium on the Hands of Children After Playing in Playgrounds Built from Chromated Copper Arsenate (CCA)-Treated Wood. <i>Environmental Health Perspectives</i> , 2006, 114, 460-465.	2.8	17
220	Terpolymer Micelles for the Delivery of Arsenic to Breast Cancer Cells: The Effect of Chain Sequence on Polymeric Micellar Characteristics and Cancer Cell Uptake. <i>Molecular Pharmaceutics</i> , 2016, 13, 4021-4033.	2.3	17
221	Transfer of arsenic from poultry feed to poultry litter: A mass balance study. <i>Science of the Total Environment</i> , 2018, 630, 302-307.	3.9	17
222	Metabolism of a Phenylarsenical in Human Hepatic Cells and Identification of a New Arsenic Metabolite. <i>Environmental Science & Technology</i> , 2018, 52, 1386-1392.	4.6	17
223	Split Locations and Secondary Structures of a DNAzyme Critical to Binding-Assembled Multicomponent Nucleic Acid Enzymes for Protein Detection. <i>Analytical Chemistry</i> , 2021, 93, 15712-15719.	3.2	17
224	Pre-concentration by coprecipitation. Part 1. Rapid method for the determination of ultra-trace amounts of germanium in natural waters by hydride generation-atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1991, 6, 129-132.	1.6	16
225	Cytotoxicity of combinations of arsenicals on rat urinary bladder urothelial cells in vitro. <i>Toxicology</i> , 2008, 249, 69-74.	2.0	16
226	Is there a silver lining? Aggregation and photo-transformation of silver nanoparticles in environmental waters. <i>Journal of Environmental Sciences</i> , 2015, 34, 259-262.	3.2	16
227	Targeted Enlargement of Aptamer Functionalized Gold Nanoparticles for Quantitative Protein Analysis. <i>Proteomes</i> , 2017, 5, 1.	1.7	16
228	Quantitative synthesis of protein-DNA conjugates with 1:1 stoichiometry. <i>Chemical Communications</i> , 2018, 54, 7491-7494.	2.2	16
229	A phenotypic screening platform to identify small molecule modulators of <i>Chlamydomonas reinhardtii</i> growth, motility and photosynthesis. <i>Genome Biology</i> , 2012, 13, R105.	13.9	15
230	Yoctomole detection of proteins using solid phase binding-induced DNA assembly. <i>Methods</i> , 2013, 64, 322-330.	1.9	15
231	Characterization of Intracellular Inclusions in the Urothelium of Mice Exposed to Inorganic Arsenic. <i>Toxicological Sciences</i> , 2014, 137, 36-46.	1.4	15
232	Mapping Isoform Abundance and Interactome of the Endogenous TMPRSS2-ERG Fusion Protein by Orthogonal Immunoprecipitation-Mass Spectrometry Assays. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100075.	2.5	15
233	Arsenic speciation in cattail (<i>Typha latifolia</i>) using chromatography and mass spectrometry. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 566-571.	1.5	14
234	Consumption of rice and fish in an electronic waste recycling area contributes significantly to total daily intake of mercury. <i>Journal of Environmental Sciences</i> , 2015, 38, 83-86.	3.2	14

#	ARTICLE	IF	CITATIONS
235	Accumulation and Transport of Roxarsone, Arsenobetaine, and Inorganic Arsenic Using the Human Immortalized Caco-2 Cell Line. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8902-8908.	2.4	14
236	Benefits and risks associated with consumption of Great Lakes fish containing omega-3 fatty acids and polychlorinated biphenyls (PCBs). <i>Journal of Environmental Sciences</i> , 2016, 41, 1-5.	3.2	14
237	Establishment and characterization of arsenic trioxide resistant KB/ATO cells. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 564-570.	5.7	14
238	Removal of inorganic arsenic from water using metal organic frameworks. <i>Journal of Environmental Sciences</i> , 2020, 97, 162-168.	3.2	14
239	2002 W.A.E. McBryde Award Lecture — Affinity recognition, capillary electrophoresis, and laser-induced fluorescence polarization for ultrasensitive bioanalysis. <i>Canadian Journal of Chemistry</i> , 2005, 83, 185-194.	0.6	13
240	Systemic distribution and speciation of diphenylarsinic acid fed to rats. <i>Toxicology and Applied Pharmacology</i> , 2009, 237, 214-220.	1.3	13
241	Enzymatic digestion and chromatographic analysis of arsenic species released from proteins. <i>Journal of Chromatography A</i> , 2009, 1216, 3985-3991.	1.8	13
242	Pretreatment with periodate-oxidized adenosine enhances developmental toxicity of inorganic arsenic in mice. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2003, 68, 335-343.	1.4	12
243	Neurosensory effects of chronic exposure to arsenic via drinking water in Inner Mongolia: I. signs, symptoms and pinprick testing. <i>Journal of Water and Health</i> , 2006, 4, 29-37.	1.1	12
244	Elevation of Cellular BPDE Uptake by Human Cells: A Possible Factor Contributing to Co-Carcinogenicity by Arsenite. <i>Environmental Health Perspectives</i> , 2006, 114, 1832-1837.	2.8	12
245	Multidrug Resistance Protein 1 (MRP1/ABCC1)-Mediated Cellular Protection and Transport of Methylated Arsenic Metabolites Differs between Human Cell Lines. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1096-1105.	1.7	12
246	Determination of bismuth in river sediment by electrothermal atomic absorption spectrometry with low-temperature atomization in argon/hydrogen. <i>Analytica Chimica Acta</i> , 1986, 186, 147-153.	2.6	11
247	Factors influencing the removal of thymine glycol from DNA in $\hat{1}^3$ -irradiated human cells. <i>Progress in Molecular Biology and Translational Science</i> , 2001, 68, 139-149.	1.9	11
248	Fluorescence Polarization: Recent Bioanalytical Applications, Pitfalls, and Future Trends. <i>Springer Series on Fluorescence</i> , 2008, , 303-322.	0.8	11
249	Arsenite and its Mono- and Dimethylated Trivalent Metabolites Enhance the Formation of Benzo[<i>a</i>]pyrene Diol Epoxide-DNA Adducts in Xeroderma Pigmentosum Complementation Group A Cells. <i>Chemical Research in Toxicology</i> , 2009, 22, 382-390.	1.7	11
250	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.	0.7	11
251	Concomitant Induction of Heme Oxygenase-1 Attenuates the Cytotoxicity of Arsenic Species from <i>Lumbricus</i> Extract in Human Liver HepG2 Cells. <i>Chemistry and Biodiversity</i> , 2012, 9, 739-754.	1.0	11
252	Multidrug resistance protein 1 (ABCC1) confers resistance to arsenic compounds in human myeloid leukemic HL-60 cells. <i>Archives of Toxicology</i> , 2013, 87, 1013-1023.	1.9	11

#	ARTICLE	IF	CITATIONS
253	Studying developmental neurotoxic effects of bisphenol A (BPA) using embryonic stem cells. Journal of Environmental Sciences, 2015, 36, 173-177.	3.2	11
254	Cyanobacterial bloom dynamics in Lake Taihu. Journal of Environmental Sciences, 2015, 32, 249-251.	3.2	11
255	Reduction of mercury emissions from anthropogenic sources including coal combustion. Journal of Environmental Sciences, 2021, 100, 363-368.	3.2	11
256	Quantitative determination of oxidized carbon nanotube probes in yeast by capillary electrophoresis with laser-induced fluorescence detection. Analytica Chimica Acta, 2006, 580, 194-199.	2.6	10
257	CE-LIF coupled with flow cytometry for high-throughput quantitation of fluorophores in single intact cells. Electrophoresis, 2006, 27, 3452-3459.	1.3	10
258	MEKC-LIF analysis of rhodamine123 delivered by carbon nanotubes in K562 cells. Electrophoresis, 2009, 30, 1906-1912.	1.3	10
259	Inhibition of nucleotide excision repair by arsenic. Science Bulletin, 2013, 58, 214-221.	1.7	10
260	Rapid growth of environmental research in China. Journal of Environmental Sciences, 2016, 39, 1-3.	3.2	10
261	An improved and simple method for removal of arsenic from drinking water. Journal of Environmental Sciences, 2019, 76, 415-417.	3.2	10
262	Discovery and Identification of Arsenolipids Using a Precursor-Finder Strategy and Data-Independent Mass Spectrometry. Environmental Science & Technology, 2021, 55, 3836-3844.	4.6	10
263	Determination of mercury in environmental and biological samples by cold vapour atomic absorption spectrometry. Mikrochimica Acta, 1993, 111, 207-213.	2.5	9
264	Arsenic urinary speciation in Mthfr deficient mice injected with sodium arsenate. Toxicology Letters, 2012, 215, 214-218.	0.4	9
265	N-Hydroxyarylamine O-Acetyltransferases Catalyze Acetylation of 3-Amino-4-Hydroxyphenylarsonic Acid in the 4-Hydroxy-3-Nitrobenzene arsonic Acid Transformation Pathway of Enterobacter sp. Strain CZ-1. Applied and Environmental Microbiology, 2020, 86, .	1.4	9
266	CRISPR Technique Incorporated with Single-Cell RNA Sequencing for Studying Hepatitis B Infection. Analytical Chemistry, 2021, 93, 10756-10761.	3.2	9
267	On-Site Viral Inactivation and RNA Preservation of Gargle and Saliva Samples Combined with Direct Analysis of SARS-CoV-2 RNA on Magnetic Beads. ACS Measurement Science Au, 2022, 2, 224-232.	1.9	9
268	Determination of lead by graphite furnace atomic absorption spectrometry with argon-hydrogen as the purge gas using low-temperature atomisation. Journal of Analytical Atomic Spectrometry, 1986, 1, 131.	1.6	8
269	Arsenic Speciation in Natural Waters. ACS Symposium Series, 2002, , 11-32.	0.5	8
270	Detection of benzo(a)pyrene diol epoxide-DNA adducts in mononuclear white blood cells by CE immunoassay and its application to studying the effect of glutathione depletion. Electrophoresis, 2009, 30, 1558-1563.	1.3	8

#	ARTICLE	IF	CITATIONS
271	Feasibility studies of the EXL setup for FAIR using the GSI storage ring ESR. <i>European Physical Journal: Special Topics</i> , 2007, 150, 357-358.	1.2	7
272	Pharmacological induction of leukotriene B4-12-hydroxydehydrogenase suppresses the oncogenic transformation of human hepatoma HepG2 cells. <i>International Journal of Oncology</i> , 2011, 39, 735-45.	1.4	7
273	Effects of co-administration of dietary sodium arsenate and 2,3-dimercaptopropane-1-sulfonic acid (DMPS) on the rat bladder epithelium. <i>Toxicology</i> , 2012, 299, 155-159.	2.0	7
274	Methylated Phenylarsenical Metabolites Discovered in Chicken Liver. <i>Angewandte Chemie</i> , 2017, 129, 6877-6881.	1.6	7
275	Effect of copper on the translocation and transformation of polychlorinated biphenyls in rice. <i>Chemosphere</i> , 2018, 193, 514-520.	4.2	7
276	Fluorescence imaging of Cu(I) in endoplasmic reticulum of live cells and tissue. <i>Science China Chemistry</i> , 2019, 62, 887-888.	4.2	7
277	Editorial: Effect of root anatomy and apoplastic barrier development on cadmium uptake in rice. <i>Journal of Environmental Sciences</i> , 2019, 79, 361-363.	3.2	7
278	Simultaneous removal of arsenic and antimony from mining wastewater. <i>Journal of Environmental Sciences</i> , 2020, 93, 117-119.	3.2	7
279	Effects of an epidermal growth factor receptor inhibitor on arsenic associated toxicity in the rat bladder epithelium. <i>Toxicology Letters</i> , 2009, 187, 124-129.	0.4	6
280	Real-Time Cell-Electronic Sensing of Coal Fly Ash Particulate Matter for Toxicity-Based Air Quality Monitoring. <i>Chemical Research in Toxicology</i> , 2016, 29, 972-980.	1.7	6
281	Keep swimming but stop peeing in the pools. <i>Journal of Environmental Sciences</i> , 2017, 53, 322-325.	3.2	6
282	Arsenic biotransformation and an arsenite S-adenosylmethionine methyltransferase in plankton. <i>Journal of Environmental Sciences</i> , 2017, 61, 118-121.	3.2	6
283	Exposure to Arsenosugars from Seafood Ingestion and Speciation of Urinary Arsenic Metabolites. , 1999, , 69-79.		6
284	Immunofluorescence Detection of Radiation-Induced DNA Base Damage. <i>Military Medicine</i> , 2002, 167, 2-4.	0.4	5
285	Genotoxic effects of microcystins mediated by nitric oxide and mitochondria. <i>Journal of Environmental Sciences</i> , 2015, 31, 206-208.	3.2	5
286	Study of the effects of bisphenol A using human fetal lung fibroblasts. <i>Journal of Environmental Sciences</i> , 2016, 48, 6-10.	3.2	5
287	Professor William R. Cullen and arsenic chemistry. <i>Journal of Environmental Sciences</i> , 2016, 49, 1-6.	3.2	5
288	Visualization of fingerprints made easy with dye solution on cellulose membrane. <i>Science China Chemistry</i> , 2018, 61, 375-376.	4.2	5

#	ARTICLE	IF	CITATIONS
289	Die exponentielle isotherme Amplifikation von Nukleinsäuren und Assays zur Detektion von Proteinen, Zellen, kleinen Molekülen und Enzymaktivitäten: Anwendungen für EXPAR. <i>Angewandte Chemie</i> , 2018, 130, 12030-12041.	1.6	5
290	Arsenic on the Hands of Children: Wang et al. <i>Respond. Environmental Health Perspectives</i> , 2005, 113, A364-A365.	2.8	5
291	Synthesis and Characterization of DNA Fluorescent Probes Containing a Single Site-Specific Stereoisomer of anti-Benzo[a]pyrene Diol Epoxide-N ² -dG. <i>Chemical Research in Toxicology</i> , 2009, 22, 676-682.	1.7	4
292	Maternal exposure to specific perfluoroalkyl substances is associated with increasing blood glucose in pregnant women. <i>Journal of Environmental Sciences</i> , 2018, 69, 1-2.	3.2	4
293	Microbial methylation of mercury in the water-level fluctuation zone of the Three Gorges Reservoir, China. <i>Journal of Environmental Sciences</i> , 2018, 68, 218-220.	3.2	4
294	Analytical Advances in Detecting SARS-CoV-2 and Further Research Needs for COVID-19 Testing. <i>Analytical Chemistry</i> , 2021, 93, 8379-8380.	3.2	4
295	Neurosensory effects of chronic exposure to arsenic via drinking water in Inner Mongolia: I. Signs, symptoms and pinprick testing. <i>Journal of Water and Health</i> , 2006, 4, 29-37.	1.1	4
296	Trivalent arsenic species. , 2003, , 51-68.		3
297	Electronic Microarray Technique for Detection of Nine Base Substitutions Including Single-Nucleotide Polymorphisms in the Human OGG1 Gene. <i>Clinical Chemistry</i> , 2004, 50, 1441-1444.	1.5	3
298	Environmental analysis of single cells. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 45-49.	1.9	3
299	p-Azidophenylarsenoxide: An Arsenical Bait for the In Situ Capture and Identification of Cellular Arsenic-Binding Proteins. <i>Angewandte Chemie</i> , 2016, 128, 14257-14262.	1.6	3
300	Beacon-mediated exponential amplification reaction (BEAR) using a single enzyme and primer. <i>Chemical Communications</i> , 2019, 55, 10677-10680.	2.2	3
301	Electronic cigarettes and toxic substances, including arsenic species. <i>Journal of Environmental Sciences</i> , 2020, 92, 278-283.	3.2	3
302	Arsenic on the Hands of Children: Wang et al. <i>Respond. Environmental Health Perspectives</i> , 2005, 113, .	2.8	2
303	Urine Sample Collection and Handling. , 2012, , 123-142.		2
304	Analytical Methods in Toxicology. <i>Analytical Chemistry</i> , 2014, 86, 11929-11929.	3.2	2
305	Editorial: Effects of metal contamination on ammonia-oxidizing microorganisms in a freshwater reservoir. <i>Journal of Environmental Sciences</i> , 2019, 79, 364-366.	3.2	2
306	Biliary excretion of arsenic by human HepaRG cells is stimulated by selenide and mediated by the multidrug resistance protein 2 (MRP2/ABCC2). <i>Biochemical Pharmacology</i> , 2021, 193, 114799.	2.0	2

#	ARTICLE	IF	CITATIONS
307	Assay for DNA Damage Using Immunochemical Recognition and Capillary Electrophoresis. , 2001, 162, 419-428.		1
308	Enzyme Digestion for Speciation of Arsenic. , 2012, , 421-433.		1
309	Analytical Methods in Toxicology. Chemical Research in Toxicology, 2015, 28, 1-1.	1.7	1
310	Titelbild: Methylated Phenylarsenical Metabolites Discovered in Chicken Liver (Angew. Chem. 24/2017). Angewandte Chemie, 2017, 129, 6779-6779.	1.6	1
311	Waste-ing away: Presence of Cu ions influences microbial degradation kinetics and metabolite formation of the prevalent brominated flame retardant BDE-47. Journal of Environmental Sciences, 2020, 87, 421-424.	3.2	1
312	Urinary speciation of sodium arsenate in folate receptor knockout mice. , 2003, , 337-344.		1
313	Arsenic on Children's Hands: Le et al. Respond. Environmental Health Perspectives, 2005, 113, .	2.8	0
314	Speciation studies of arsenic in the environment and in human. Diqiu Huaxue, 2006, 25, 77-78.	0.5	0
315	DNA Damage, Repair, and Genome Instability (Including Affinity Techniques). , 2012, , 231-260.		0
316	Probe and Control of Cell-Cell Interactions Using Bioengineered Tools. , 2014, , 349-370.		0
317	Cover features and new Associate Editors of the Journal of Environmental Sciences. Journal of Environmental Sciences, 2016, 48, 1-5.	3.2	0
318	Binding-Mediated Formation of Ribonucleoprotein Corona for Efficient Delivery and Control of CRISPR/Cas9. Angewandte Chemie, 2021, 133, 11204-11209.	1.6	0
319	Urinary arsenic species in relation to drinking water, toenail arsenic concentrations and genetic polymorphisms in GSTM1 in New Hampshire. , 2002, , .		0
320	Carcinogenicity of dimethylarsinic acid (DMAV). , 2003, , 321-335.		0
321	Arsenic on Children's Hands: Le et al. Respond. Environmental Health Perspectives, 2005, 113, A508-A509.	2.8	0
322	Aptamers in Affinity Separations:Capillary Electrophoresis. , 2009, , 255-270.		0