

# X Chris Le

## List of Publications by Citations

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310  
papers

15,206  
citations

68  
h-index

109  
g-index

336  
ext. papers

17,141  
ext. citations

7.5  
avg, IF

6.7  
L-index

#	Paper	IF	Citations
310	Rolling circle amplification: a versatile tool for chemical biology, materials science and medicine. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 3324-41	58.5	625
309	Arsenic binding to proteins. <i>Chemical Reviews</i> , <b>2013</b> , 113, 7769-92	68.1	458
308	DNA-mediated homogeneous binding assays for nucleic acids and proteins. <i>Chemical Reviews</i> , <b>2013</b> , 113, 2812-41	68.1	328
307	A microRNA-initiated DNAzyme motor operating in living cells. <i>Nature Communications</i> , <b>2017</b> , 8, 14378	17.4	322
306	Arsenic speciation analysis. <i>Talanta</i> , <b>2002</b> , 58, 77-96	6.2	292
305	Speciation of key arsenic metabolic intermediates in human urine. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 5172-77.8		286
304	Binding-induced fluorescence turn-on assay using aptamer-functionalized silver nanocluster DNA probes. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 5170-4	7.8	285
303	Aptamer binding assays for proteins: the thrombin example--a review. <i>Analytica Chimica Acta</i> , <b>2014</b> , 837, 1-15	6.6	264
302	Electrochemical DNAzyme sensor for lead based on amplification of DNA-Au bio-bar codes. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 6323-8	7.8	246
301	Occurrence of monomethylarsonous acid in urine of humans exposed to inorganic arsenic. <i>Chemical Research in Toxicology</i> , <b>2000</b> , 13, 693-7	4	233
300	Biotransformation of arsenic by a Yellowstone thermoacidophilic eukaryotic alga. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 5213-7	11.5	219
299	Selection and analytical applications of aptamers. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 681-691	14.6	218
298	Human urinary arsenic excretion after one-time ingestion of seaweed, crab, and shrimp. <i>Clinical Chemistry</i> , <b>1994</b> , 40, 617-624	5.5	185
297	Inducible repair of thymine glycol detected by an ultrasensitive assay for DNA damage. <i>Science</i> , <b>1998</b> , 280, 1066-9	33.3	179
296	Speciation of Submicrogram per Liter Levels of Arsenic in Water: On-Site Species Separation Integrated with Sample Collection. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 2342-2347	10.3	167
295	Molecular Diagnosis of COVID-19: Challenges and Research Needs. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10196-10209	10.1	155
294	Dynamic DNA assemblies mediated by binding-induced DNA strand displacement. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2443-6	16.4	154

293	Effect of arsenosugar ingestion on urinary arsenic speciation. <i>Clinical Chemistry</i> , <b>1998</b> , 44, 539-550	5.5	145
292	Aptamers facilitating amplified detection of biomolecules. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 274-92	7.8	142
291	Unstable trivalent arsenic metabolites, monomethylarsonous acid and dimethylarsinous acid. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 1409-1413	3.7	139
290	Excretion of arsenic in urine as a function of exposure to arsenic in drinking water. <i>Environmental Health Perspectives</i> , <b>1999</b> , 107, 663-7	8.4	138
289	Binding-Induced DNA Nanomachines Triggered by Proteins and Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14326-30	16.4	133
288	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> , <b>2009</b> , 22, 1713-20	4	131
287	Possible role of dimethylarsinous acid in dimethylarsinic acid-induced urothelial toxicity and regeneration in the rat. <i>Chemical Research in Toxicology</i> , <b>2002</b> , 15, 1150-7	4	128
286	Determination of monomethylarsonous acid, a key arsenic methylation intermediate, in human urine. <i>Environmental Health Perspectives</i> , <b>2000</b> , 108, 1015-8	8.4	128
285	Evidence of hemoglobin binding to arsenic as a basis for the accumulation of arsenic in rat blood. <i>Chemical Research in Toxicology</i> , <b>2004</b> , 17, 1733-42	4	127
284	DNAzyme-Mediated Assays for Amplified Detection of Nucleic Acids and Proteins. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 190-207	7.8	127
283	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> , <b>2018</b> , 57, 11856-11866	16.4	124
282	Detection of Escherichia coli O157:H7 using gold nanoparticle labeling and inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 3399-403	7.8	124
281	Ultrasensitive detection of proteins by amplification of affinity aptamers. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 1576-80	16.4	122
280	Ultrasensitive assays for proteins. <i>Analyst, The</i> , <b>2007</b> , 132, 724-37	5	118
279	Aptamer-linked assay for thrombin using gold nanoparticle amplification and inductively coupled plasma-mass spectrometry detection. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 7484-9	7.8	117
278	Selection of aptamers against live bacterial cells. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 7812-9	7.8	117
277	Assembling DNA through affinity binding to achieve ultrasensitive protein detection. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 10698-705	16.4	115
276	Novel nuclear and mitochondrial glycosylases revealed by disruption of the mouse Nth1 gene encoding an endonuclease III homolog for repair of thymine glycols. <i>EMBO Journal</i> , <b>2002</b> , 21, 3486-93	13	115

275	Arsenic-induced bladder cancer in an animal model. <i>Toxicology and Applied Pharmacology</i> , <b>2007</b> , 222, 258-63	4.6	114
274	Sample Preparation and Storage Can Change Arsenic Speciation in Human Urine. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 1988-1997	5.5	111
273	DMPS-arsenic challenge test. II. Modulation of arsenic species, including monomethylarsonous acid (MMA(III)), excreted in human urine. <i>Toxicology and Applied Pharmacology</i> , <b>2000</b> , 165, 74-83	4.6	110
272	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> , <b>1992</b> , 64, 667-672	7.8	109
271	Comparative toxicity of arsenic metabolites in human bladder cancer EJ-1 cells. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 1586-96	4	106
270	Peer Reviewed: Arsenic Speciation. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 26 A-33 A	7.8	106
269	Metabolomics analysis of TiO nanoparticles induced toxicological effects on rice ( <i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , <b>2017</b> , 230, 302-310	9.3	104
268	Antimony speciation and contamination of waters in the Xikuangshan antimony mining and smelting area, China. <i>Environmental Geochemistry and Health</i> , <b>2010</b> , 32, 401-13	4.7	104
267	Aptamer-based affinity chromatographic assays for thrombin. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 7586-93	7.8	103
266	Aptamer-modified monolithic capillary chromatography for protein separation and detection. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 3915-20	7.8	101
265	Binding of dimethylarsinous acid to cys-13alpha of rat hemoglobin is responsible for the retention of arsenic in rat blood. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 27-37	4	101
264	Arsenic speciation in urine from acute promyelocytic leukemia patients undergoing arsenic trioxide treatment. <i>Chemical Research in Toxicology</i> , <b>2004</b> , 17, 95-103	4	97
263	Detection of human immunodeficiency virus type 1 reverse transcriptase using aptamers as probes in affinity capillary electrophoresis. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 6070-6	7.8	96
262	Interaction of trivalent arsenicals with metallothionein. <i>Chemical Research in Toxicology</i> , <b>2003</b> , 16, 873-80		95
261	Short-column liquid chromatography with hydride generation atomic fluorescence detection for the speciation of arsenic. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 1926-33	7.8	95
260	Speciation of Arsenic Compounds Using High-Performance Liquid Chromatography at Elevated Temperature and Selective Hydride Generation Atomic Fluorescence Detection. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 4501-4506	7.8	92
259	Tunable aptamer capillary electrophoresis and its application to protein analysis. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 34-5	16.4	91
258	A molecular translator that acts by binding-induced DNA strand displacement for a homogeneous protein assay. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9317-20	16.4	90

257	Thermal stability of DNA functionalized gold nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2013</b> , 24, 1790-7	6.3	88
256	Selection and analytical applications of aptamers binding microbial pathogens. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 1587-1597	14.6	85
255	Comparative cytotoxicity of fourteen trivalent and pentavalent arsenic species determined using real-time cell sensing. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 49, 113-124	6.4	83
254	Speciation of arsenic compounds by HPLC with hydride generation atomic absorption spectrometry and inductively coupled plasma mass spectrometry detection. <i>Talanta</i> , <b>1994</b> , 41, 495-502	6.2	83
253	Chronic arsenic exposure and oxidative stress: OGG1 expression and arsenic exposure, nail selenium, and skin hyperkeratosis in Inner Mongolia. <i>Environmental Health Perspectives</i> , <b>2006</b> , 114, 835-41	8.4	80
252	Use of quantum dots in the development of assays for cancer biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397, 3213-24	4.4	79
251	Volatile arsenic species released from Escherichia coli expressing the AsIII S-adenosylmethionine methyltransferase gene. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 3201-6	10.3	79
250	Signal Amplification in Living Cells: A Review of microRNA Detection and Imaging. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 292-308	7.8	77
249	Universal strategy to engineer catalytic DNA hairpin assemblies for protein analysis. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8063-6	7.8	72
248	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> , <b>2020</b> , 92, 16204-16212	7.8	72
247	DNA aptamers binding to multiple prevalent M-types of Streptococcus pyogenes. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 3640-7	7.8	71
246	Studies of protein-DNA interactions by capillary electrophoresis/laser-induced fluorescence polarization. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 5583-9	7.8	71
245	Binding-induced formation of DNA three-way junctions and its application to protein detection and DNA strand displacement. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 10835-41	7.8	70
244	Speciation of arsenic compounds in some marine organisms. <i>Environmental Science &amp; Technology</i> , <b>1994</b> , 28, 1598-604	10.3	68
243	Evidence for toxicity differences between inorganic arsenite and thioarsenicals in human bladder cancer cells. <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 238, 133-40	4.6	66
242	Speciation of arsenic using solid phase extraction cartridges. <i>Journal of Environmental Monitoring</i> , <b>2001</b> , 3, 81-5		65
241	Binding-induced DNA assembly and its application to yoctomole detection of proteins. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 877-84	7.8	63
240	Effect of cysteine on the speciation of arsenic by using hydride generation atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>1994</b> , 285, 277-285	6.6	62

239	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> , <b>2010</b> , 244, 99-105	4.6	59
238	Attenuation of DNA damage-induced p53 expression by arsenic: a possible mechanism for arsenic co-carcinogenesis. <i>Molecular Carcinogenesis</i> , <b>2008</b> , 47, 508-18	5	59
237	Aptamer capturing of enzymes on magnetic beads to enhance assay specificity and sensitivity. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 9234-6	7.8	58
236	Monitoring biosynthetic transformations of N-acetyllactosamine using fluorescently labeled oligosaccharides and capillary electrophoretic separation. <i>Analytical Biochemistry</i> , <b>1995</b> , 227, 368-76	3.1	57
235	Speciation of arsenic compounds by using ion-pair chromatography with atomic spectrometry and mass spectrometry detection. <i>Journal of Chromatography A</i> , <b>1997</b> , 764, 55-64	4.5	56
234	Arsenic-induced congenital malformations in genetically susceptible Folate binding protein-2 knockout mice. <i>Toxicology and Applied Pharmacology</i> , <b>2001</b> , 177, 238-46	4.6	56
233	Applications of aptamer affinity chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 41, 46-57	14.6	55
232	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> , <b>2012</b> , 875, 8-28	1.3	54
231	Reduction of interferences in the determination of germanium by hydride generation and atomic emission spectrometry. <i>Analytica Chimica Acta</i> , <b>1990</b> , 229, 239-247	6.6	52
230	Arsenic on the hands of children after playing in playgrounds. <i>Environmental Health Perspectives</i> , <b>2004</b> , 112, 1375-80	8.4	51
229	A new continuous hydride generator for the determination of arsenic, Antimony and tin by hydride generation atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>1992</b> , 258, 307-315	6.6	51
228	Therapeutic and analytical applications of arsenic binding to proteins. <i>Metallomics</i> , <b>2015</b> , 7, 39-55	4.5	50
227	Arsenic Metabolites, Including N-Acetyl-4-hydroxy-m-arsanilic Acid, in Chicken Litter from a Roxarone-Feeding Study Involving 1600 Chickens. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 6737-43	10.3	50
226	Arsenic speciation analysis in human saliva. <i>Clinical Chemistry</i> , <b>2008</b> , 54, 163-71	5.5	50
225	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> , <b>2001</b> , 64, 473-84	3.2	50
224	Fluorescence polarization studies of affinity interactions in capillary electrophoresis. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4183-9	7.8	50
223	Bioanalytical applications of aptamer and molecular-beacon probes in fluorescence-affinity assays. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2009</b> , 28, 878-892	14.6	46
222	Mouse arsenic (+3 oxidation state) methyltransferase genotype affects metabolism and tissue dosimetry of arsenicals after arsenite administration in drinking water. <i>Toxicological Sciences</i> , <b>2011</b> , 124, 320-6	4.4	46

221	Identification of arsenic-binding proteins in human cells by affinity chromatography and mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 4144-52	7.8	45
220	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> , <b>2009</b> , 106, 12849-54	11.5	45
219	Speciation analysis of arsenic in groundwater from Inner Mongolia with an emphasis on acid-leachable particulate arsenic. <i>Analytica Chimica Acta</i> , <b>2006</b> , 555, 181-187	6.6	45
218	Analysis by capillary electrophoresis-laser-induced fluorescence detection of oligosaccharides produced from enzyme reactions. <i>Journal of Chromatography A</i> , <b>1995</b> , 716, 215-20	4.5	45
217	Determination of urinary arsenic and impact of dietary arsenic intake. <i>Talanta</i> , <b>1993</b> , 40, 185-93	6.2	45
216	Increased mortality associated with well-water arsenic exposure in Inner Mongolia, China. <i>International Journal of Environmental Research and Public Health</i> , <b>2009</b> , 6, 1107-23	4.6	44
215	Differential cytotoxic effects of arsenic compounds in human acute promyelocytic leukemia cells. <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 239, 64-70	4.6	44
214	Arsenic Species in Chicken Breast: Temporal Variations of Metabolites, Elimination Kinetics, and Residual Concentrations. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 1174-81	8.4	44
213	Differentiation and detection of PDGF isomers and their receptors by tunable aptamer capillary electrophoresis. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 7795-800	7.8	43
212	Effects of dietary folate intake and folate binding protein-1 (Folbp1) on urinary speciation of sodium arsenate in mice. <i>Toxicology Letters</i> , <b>2003</b> , 145, 167-74	4.4	43
211	Kinetics of Proximity-Induced Intramolecular DNA Strand Displacement. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8152-7	7.8	43
210	Constructing real-time, wash-free, and reiterative sensors for cell surface proteins using binding-induced dynamic DNA assembly. <i>Chemical Science</i> , <b>2015</b> , 6, 5729-5733	9.4	42
209	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> , <b>2009</b> , 6, 1010-25	4.6	42
208	Human urinary arsenic excretion after one-time ingestion of seaweed, crab, and shrimp. <i>Clinical Chemistry</i> , <b>1994</b> , 40, 617-24	5.5	42
207	Polymeric micelles for GSH-triggered delivery of arsenic species to cancer cells. <i>Biomaterials</i> , <b>2014</b> , 35, 7088-100	15.6	41
206	A review on arsenic concentrations in Canadian drinking water. <i>Environmental Reviews</i> , <b>2010</b> , 18, 291-307	4.5	41
205	CRISPR technology incorporating amplification strategies: molecular assays for nucleic acids, proteins, and small molecules. <i>Chemical Science</i> , <b>2021</b> , 12, 4683-4698	9.4	40
204	Liquid chromatography combined with atomic and molecular mass spectrometry for speciation of arsenic in chicken liver. <i>Journal of Chromatography A</i> , <b>2014</b> , 1370, 40-9	4.5	39



203	Arsenic in drinking waterRecent examples and updates from Southeast Asia. <i>Current Opinion in Environmental Science and Health</i> , <b>2019</b> , 7, 126-135	8.1	38
202	A novel pathway for arsenic elimination: human multidrug resistance protein 4 (MRP4/ABCC4) mediates cellular export of dimethylarsinic acid (DMAV) and the diglutathione conjugate of monomethylarsonous acid (MMAIII). <i>Molecular Pharmacology</i> , <b>2014</b> , 86, 168-79	4.3	38
201	Fluorescence polarization detection for affinity capillary electrophoresis. <i>Electrophoresis</i> , <b>2002</b> , 23, 903-8.6	3.6	38
200	Arsenobetaine: the ongoing mystery. <i>National Science Review</i> , <b>2016</b> , 3, 451-458	10.8	38
199	Assays for cytokines using aptamers. <i>Methods</i> , <b>2006</b> , 38, 324-30	4.6	37
198	Speciation of dimethylarsinous acid and trimethylarsine oxide in urine from rats fed with dimethylarsinic acid and dimercaptopropane sulfonate. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 6463-8	7.8	37
197	Competitive immunoassay for staphylococcal enterotoxin A using capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , <b>1999</b> , 853, 545-53	4.5	37
196	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> , <b>2014</b> , 1359, 156-61	4.5	36
195	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> , <b>1992</b> , 6, 161-171	3.1	36
194	Cardiovascular disease and arsenic exposure in Inner Mongolia, China: a case control study. <i>Environmental Health</i> , <b>2015</b> , 14, 35	6	35
193	Arsenic speciation in the blood of arsenite-treated F344 rats. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 952-62	4	35
192	Monomethylarsenic diglutathione transport by the human multidrug resistance protein 1 (MRP1/ABCC1). <i>Drug Metabolism and Disposition</i> , <b>2011</b> , 39, 2298-304	4	35
191	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> , <b>2005</b> , 10, 95-104	2.6	35
190	Arsenic speciation analysis: A review with an emphasis on chromatographic separations. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 123, 115770	14.6	35
189	Methylated and thiolated arsenic species for environmental and health research - A review on synthesis and characterization. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 49, 7-27	6.4	35
188	Speciation of arsenic A review of phenylarsenicals and related arsenic metabolites. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 104, 171-182	14.6	35
187	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> , <b>1998</b> , 53, 899-909	3.1	34
186	Enhancement of immunocomplex detection and application to assays for DNA adduct of benzo[a]pyrene. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 247-54	7.8	34



185	Reduction of Background Generated from Template-Template Hybridizations in the Exponential Amplification Reaction. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11033-11039	7.8	33
184	Quantum dots enhanced ultrasensitive detection of DNA adducts. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 10285-98	9.8	33
183	Competitive immunoassay for cyclosporine using capillary electrophoresis with laser induced fluorescence polarization detection. <i>Biomedical Applications</i> , <b>1998</b> , 714, 59-67		33
182	Ultrasensitive protein-DNA binding assays. <i>Current Opinion in Biotechnology</i> , <b>2003</b> , 14, 65-73	11.4	33
181	Migration time correction for the analysis of derivatized amino acids and oligosaccharides by micellar capillary electrochromatography. <i>Journal of Chromatography A</i> , <b>2000</b> , 869, 375-84	4.5	33
180	Methylated Phenylarsenical Metabolites Discovered in Chicken Liver. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6773-6777	16.4	32
179	DNA-driven focusing for protein-DNA binding assays using capillary electrophoresis. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 4985-90	7.8	32
178	Complementary chromatography separation combined with hydride generation-inductively coupled plasma mass spectrometry for arsenic speciation in human urine. <i>Analytica Chimica Acta</i> , <b>2010</b> , 675, 71-5	6.6	31
177	Study of interactions between arsenicals and thioredoxins (human and E. coli) using mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 3658-66	2.2	31
176	Effect of arsenosugar ingestion on urinary arsenic speciation. <i>Clinical Chemistry</i> , <b>1998</b> , 44, 539-50	5.5	31
175	Enzyme-assisted extraction and liquid chromatography mass spectrometry for the determination of arsenic species in chicken meat. <i>Analytica Chimica Acta</i> , <b>2015</b> , 888, 1-9	6.6	30
174	Biological and behavioral factors modify urinary arsenic metabolic profiles in a U.S. population. <i>Environmental Health</i> , <b>2016</b> , 15, 62	6	30
173	Biological and behavioral factors modify biomarkers of arsenic exposure in a U.S. population. <i>Environmental Research</i> , <b>2013</b> , 126, 134-44	7.9	30
172	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> , <b>2014</b> , 11, 2037-2050	2.3	29
171	DNase-mediated single-cycle selection of aptamers for proteins blotted on a membrane. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7603-6	7.8	29
170	Low pressure chromatographic separation of inorganic arsenic species using solid phase extraction cartridges. <i>Talanta</i> , <b>1998</b> , 47, 787-96	6.2	29
169	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> , <b>2006</b> , 27, 433-41	3.6	29
168	Electrospray ionization mass spectrometry characterization of interactions of newly identified water disinfection byproducts halobenzoquinones with oligodeoxynucleotides. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 9557-63	10.3	28

167	Single cell studies of enzymatic hydrolysis of a tetramethylrhodamine labeled triglucoside in yeast. <i>Glycobiology</i> , <b>1999</b> , 9, 219-25	5.8	28
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140	Characterization of natural organic matter in water for optimizing water treatment and minimizing disinfection by-product formation. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 42, 1-5	6.4	23
139	ATPase activity tightly regulates RecA nucleofilaments to promote homologous recombination. <i>Cell Discovery</i> , <b>2017</b> , 3, 16053	22.3	22
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