

X Chris Le

List of Publications by Year in Descending Order

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

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	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	7.8	1
309	The CRISPR-Cas toolbox for analytical and diagnostic assay development. <i>Chemical Society Reviews</i> , 2021 , 50, 11844-11869	58.5	16
308	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	6	1
307	Binding-Mediated Formation of Ribonucleoprotein Corona for Efficient Delivery and Control of CRISPR/Cas9. <i>Angewandte Chemie</i> , 2021 , 133, 11204-11209	3.6	
306	Discovery and Identification of Arsenolipids Using a Precursor-Finder Strategy and Data-Independent Mass Spectrometry. <i>Environmental Science & Technology</i> , 2021 , 55, 3836-3844	10.3	4
305	CRISPR Technique Incorporated with Single-Cell RNA Sequencing for Studying Hepatitis B Infection. <i>Analytical Chemistry</i> , 2021 , 93, 10756-10761	7.8	1
304	Binding-Mediated Formation of Ribonucleoprotein Corona for Efficient Delivery and Control of CRISPR/Cas9. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11104-11109	16.4	8
303	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	7.6	4
302	CRISPR technology incorporating amplification strategies: molecular assays for nucleic acids, proteins, and small molecules. <i>Chemical Science</i> , 2021 , 12, 4683-4698	9.4	40
301	Integrating Reverse Transcription Recombinase Polymerase Amplification with CRISPR Technology for the One-Tube Assay of RNA. <i>Analytical Chemistry</i> , 2021 , 93, 12808-12816	7.8	12
300	CRISPR/Cas12a-mediated gold nanoparticle aggregation for colorimetric detection of SARS-CoV-2. <i>Chemical Communications</i> , 2021 , 57, 6871-6874	5.8	24
299	Aptamer binding assays and molecular interaction studies using fluorescence anisotropy - A review. <i>Analytica Chimica Acta</i> , 2020 , 1125, 267-278	6.6	14
298	Molecular Diagnosis of COVID-19: Challenges and Research Needs. <i>Analytical Chemistry</i> , 2020 , 92, 10196-10209	7.155	
297	Arsenic species in electronic cigarettes: Determination and potential health risk. <i>Journal of Environmental Sciences</i> , 2020 , 91, 168-176	6.4	10
296	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	16.7	12
295	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	7.8	8
294	Signal Amplification in Living Cells: A Review of microRNA Detection and Imaging. <i>Analytical Chemistry</i> , 2020 , 92, 292-308	7.8	77

293	-Hydroxyarylamine -Acetyltransferases Catalyze Acetylation of 3-Amino-4-Hydroxyphenylarsonic Acid in the 4-Hydroxy-3-Nitrobenzene arsonic Acid Transformation Pathway of sp. Strain CZ-1. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	5
292	Arsenic speciation analysis: A review with an emphasis on chromatographic separations. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 123, 115770	14.6	35
291	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	7.8	72
290	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	12.9	23
289	Biotransformation of arsenic-containing roxarsone by an aerobic soil bacterium <i>Enterobacter</i> sp. CZ-1. <i>Environmental Pollution</i> , 2019 , 247, 482-487	9.3	17
288	Fluorescence imaging of Cu(I) in endoplasmic reticulum of live cells and tissue. <i>Science China Chemistry</i> , 2019 , 62, 887-888	7.9	7
287	Arsenic in drinking waterRecent examples and updates from Southeast Asia. <i>Current Opinion in Environmental Science and Health</i> , 2019 , 7, 126-135	8.1	38
286	Beacon-mediated exponential amplification reaction (BEAR) using a single enzyme and primer. <i>Chemical Communications</i> , 2019 , 55, 10677-10680	5.8	1
285	Nucleic acid aptamers improving fluorescence anisotropy and fluorescence polarization assays for small molecules. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 401-409	14.6	28
284	Transfer of arsenic from poultry feed to poultry litter: A mass balance study. <i>Science of the Total Environment</i> , 2018 , 630, 302-307	10.2	12
283	Visualization of fingerprints made easy with dye solution on cellulose membrane. <i>Science China Chemistry</i> , 2018 , 61, 375-376	7.9	5
282	Characterization of Mechanisms of Glutathione Conjugation with Halobenzoquinones in Solution and HepG2 Cells. <i>Environmental Science & Technology</i> , 2018 , 52, 2898-2908	10.3	13
281	Metabolism of a Phenylarsenical in Human Hepatic Cells and Identification of a New Arsenic Metabolite. <i>Environmental Science & Technology</i> , 2018 , 52, 1386-1392	10.3	8
280	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	16.4	124
279	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	9.3	21
278	Arsenic speciation in hair and nails of acute promyelocytic leukemia (APL) patients undergoing arsenic trioxide treatment. <i>Talanta</i> , 2018 , 184, 446-451	6.2	16
277	Antibody-Bridged Beacon for Homogeneous Detection of Small Molecules. <i>Analytical Chemistry</i> , 2018 , 90, 9667-9672	7.8	13
276	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	3.9	16

275	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	3.6	3
274	Reduction of Background Generated from Template-Template Hybridizations in the Exponential Amplification Reaction. <i>Analytical Chemistry</i> , 2018 , 90, 11033-11039	7.8	33
273	Binding-Induced Molecular Amplifier as a Universal Detection Platform for Biomolecules and Biomolecular Interaction. <i>Analytical Chemistry</i> , 2018 , 90, 8651-8657	7.8	16
272	Quantitative synthesis of protein-DNA conjugates with 1 : 1 stoichiometry. <i>Chemical Communications</i> , 2018 , 54, 7491-7494	5.8	10
271	Speciation of arsenic – A review of phenylarsenicals and related arsenic metabolites. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 104, 171-182	14.6	35
270	DNAzyme-Mediated Assays for Amplified Detection of Nucleic Acids and Proteins. <i>Analytical Chemistry</i> , 2018 , 90, 190-207	7.8	127
269	Effect of copper on the translocation and transformation of polychlorinated biphenyls in rice. <i>Chemosphere</i> , 2018 , 193, 514-520	8.4	5
268	Binding-Induced DNA Dissociation Assay for Small Molecules: Sensing Aflatoxin B1. <i>ACS Sensors</i> , 2018 , 3, 2590-2596	9.2	16
267	Multidrug Resistance Protein 1 (MRP1)-Mediated Cellular Protection and Transport of Methylated Arsenic Metabolites Differs between Human Cell Lines. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 1096-1105	4	7
266	ATPase activity tightly regulates RecA nucleofilaments to promote homologous recombination. <i>Cell Discovery</i> , 2017 , 3, 16053	22.3	22
265	A microRNA-initiated DNAzyme motor operating in living cells. <i>Nature Communications</i> , 2017 , 8, 14378	17.4	322
264	Titelbild: Methylated Phenylarsenical Metabolites Discovered in Chicken Liver (Angew. Chem. 24/2017). <i>Angewandte Chemie</i> , 2017 , 129, 6779-6779	3.6	1
263	Establishment and characterization of arsenic trioxide resistant KB/ATO cells. <i>Acta Pharmaceutica Sinica B</i> , 2017 , 7, 564-570	15.5	12
262	Methylated Phenylarsenical Metabolites Discovered in Chicken Liver. <i>Angewandte Chemie</i> , 2017 , 129, 6877-6881	3.6	4
261	Methylated Phenylarsenical Metabolites Discovered in Chicken Liver. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6773-6777	16.4	32
260	Keep swimming but stop peeing in the pools. <i>Journal of Environmental Sciences</i> , 2017 , 53, 322-325	6.4	4
259	Arsenic biotransformation and an arsenite S-adenosylmethionine methyltransferase in plankton. <i>Journal of Environmental Sciences</i> , 2017 , 61, 118-121	6.4	3
258	Metabolomics analysis of TiO nanoparticles induced toxicological effects on rice (<i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2017 , 230, 302-310	9.3	104

257	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	3.6	1
256	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	6.4	83
255	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	5.6	16
254	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	5.7	13
253	Biological and behavioral factors modify urinary arsenic metabolic profiles in a U.S. population. <i>Environmental Health</i> , 2016 , 15, 62	6	30
252	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	6.4	10
251	An improved SELEX technique for selection of DNA aptamers binding to M-type 11 of <i>Streptococcus pyogenes</i> . <i>Methods</i> , 2016 , 97, 51-7	4.6	27
250	Amplified binding-induced homogeneous assay through catalytic cycling of analyte for ultrasensitive protein detection. <i>Chemical Communications</i> , 2016 , 52, 1816-9	5.8	18
249	Arsenic Metabolites, Including N-Acetyl-4-hydroxy-m-arsanilic Acid, in Chicken Litter from a Roxarsone-Feeding Study Involving 1600 Chickens. <i>Environmental Science & Technology</i> , 2016 , 50, 6737-43	10.3	50
248	Rapid growth of environmental research in China. <i>Journal of Environmental Sciences</i> , 2016 , 39, 1-3	6.4	7
247	Targeted Enlargement of Aptamer Functionalized Gold Nanoparticles for Quantitative Protein Analysis. <i>Proteomes</i> , 2016 , 5,	4.6	12
246	Arsenic Species in Chicken Breast: Temporal Variations of Metabolites, Elimination Kinetics, and Residual Concentrations. <i>Environmental Health Perspectives</i> , 2016 , 124, 1174-81	8.4	44
245	Arsenobetaine: the ongoing mystery. <i>National Science Review</i> , 2016 , 3, 451-458	10.8	38
244	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	6.4	35
243	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	6.4	23
242	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, 972-80	4	4
241	Identification of Methylated Dithioarsenicals in the Urine of Rats Fed with Sodium Arsenite. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1480-7	4	14
240	Study of the effects of bisphenol A using human fetal lung fibroblasts. <i>Journal of Environmental Sciences</i> , 2016 , 48, 6-10	6.4	3

239	p-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	16.4	25
238	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	6	27
237	Kinetics of Proximity-Induced Intramolecular DNA Strand Displacement. <i>Analytical Chemistry</i> , 2016 , 88, 8152-7	7.8	43
236	Universal strategy to engineer catalytic DNA hairpin assemblies for protein analysis. <i>Analytical Chemistry</i> , 2015 , 87, 8063-6	7.8	72
235	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	6.6	30
234	N-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, 1560-9	5.7	21
233	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	9.4	42
232	Characterization of arsenic hepatobiliary transport using sandwich-cultured human hepatocytes. <i>Toxicological Sciences</i> , 2015 , 145, 307-20	4.4	17
231	Rice: Reducing arsenic content by controlling water irrigation. <i>Journal of Environmental Sciences</i> , 2015 , 30, 129-31	6.4	20
230	Studying developmental neurotoxic effects of bisphenol A (BPA) using embryonic stem cells. <i>Journal of Environmental Sciences</i> , 2015 , 36, 173-7	6.4	9
229	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	3.1	12
228	Is there a silver lining? Aggregation and photo-transformation of silver nanoparticles in environmental waters. <i>Journal of Environmental Sciences</i> , 2015 , 34, 259-62	6.4	13
227	Genotoxic effects of microcystins mediated by nitric oxide and mitochondria. <i>Journal of Environmental Sciences</i> , 2015 , 31, 206-8	6.4	4
226	Cyanobacterial bloom dynamics in Lake Taihu. <i>Journal of Environmental Sciences</i> , 2015 , 32, 249-51	6.4	7
225	Cadmium in soybeans and the relevance to human exposure. <i>Journal of Environmental Sciences</i> , 2015 , 37, 157-62	6.4	13
224	Therapeutic and analytical applications of arsenic binding to proteins. <i>Metallomics</i> , 2015 , 7, 39-55	4.5	50
223	Aptamers facilitating amplified detection of biomolecules. <i>Analytical Chemistry</i> , 2015 , 87, 274-92	7.8	142
222	Binding-Induced DNA Nanomachines Triggered by Proteins and Nucleic Acids. <i>Angewandte Chemie</i> , 2015 , 127, 14534-14538	3.6	21

221	Binding-Induced DNA Nanomachines Triggered by Proteins and Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14326-30	16.4	133
220	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, 434052	6.7	17
219	Cardiovascular disease and arsenic exposure in Inner Mongolia, China: a case control study. <i>Environmental Health</i> , 2015 , 14, 35	6	35
218	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, 83-6	6.4	9
217	Removal of nanoparticles by coagulation. <i>Journal of Environmental Sciences</i> , 2015 , 38, 168-71	6.4	14
216	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. <i>Free Radical Biology and Medicine</i> , 2014 , 67, 171-87	7.8	21
215	Aptamer binding assays for proteins: the thrombin example--a review. <i>Analytica Chimica Acta</i> , 2014 , 837, 1-15	6.6	264
214	Sequential strand displacement beacon for detection of DNA coverage on functionalized gold nanoparticles. <i>Analytical Chemistry</i> , 2014 , 86, 6138-43	7.8	16
213	Biomarkers of arsenic exposure and effects in a Canadian rural population exposed through groundwater consumption. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014 , 24, 127-34	6.7	17
212	Liquid chromatography combined with atomic and molecular mass spectrometry for speciation of arsenic in chicken liver. <i>Journal of Chromatography A</i> , 2014 , 1370, 40-9	4.5	39
211	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, 156-61	4.5	36
210	Probe and Control of Cell-Cell Interactions Using Bioengineered Tools 2014 , 349-370		
209	Uptake and speciation of vanadium in the benthic invertebrate <i>Hyalomma azteca</i> . <i>Environmental Science & Technology</i> , 2014 , 48, 731-8	10.3	16
208	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> , 2014 , 86, 168-79	4.3	38
207	Polymeric micelles for GSH-triggered delivery of arsenic species to cancer cells. <i>Biomaterials</i> , 2014 , 35, 7088-100	15.6	41
206	Characterization of intracellular inclusions in the urothelium of mice exposed to inorganic arsenic. <i>Toxicological Sciences</i> , 2014 , 137, 36-46	4.4	14
205	Glutathione-mediated detoxification of halobenzoquinone drinking water disinfection byproducts in T24 cells. <i>Toxicological Sciences</i> , 2014 , 141, 335-43	4.4	27
204	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	3.3	29

203	Rolling circle amplification: a versatile tool for chemical biology, materials science and medicine. <i>Chemical Society Reviews</i> , 2014 , 43, 3324-41	58.5	625
202	Formation of methylated oxyarsenicals and thioarsenicals in wild-type and arsenic (+3 oxidation state) methyltransferase knockout mice exposed to arsenate. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 1885-91	4.4	21
201	Arsenic speciation in saliva of acute promyelocytic leukemia patients undergoing arsenic trioxide treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 1903-11	4.4	27
200	Assembling DNA through affinity binding to achieve ultrasensitive protein detection. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10698-705	16.4	115
199	Inhibition of nucleotide excision repair by arsenic. <i>Science Bulletin</i> , 2013 , 58, 214-221		9
198	Yoctomole detection of proteins using solid phase binding-induced DNA assembly. <i>Methods</i> , 2013 , 64, 322-30	4.6	12
197	Binding-induced formation of DNA three-way junctions and its application to protein detection and DNA strand displacement. <i>Analytical Chemistry</i> , 2013 , 85, 10835-41	7.8	70
196	"One-pot" fabrication of clickable monoliths for enzyme reactors. <i>Chemical Communications</i> , 2013 , 49, 1407-9	5.8	25
195	DNA-mediated homogeneous binding assays for nucleic acids and proteins. <i>Chemical Reviews</i> , 2013 , 113, 2812-41	68.1	328
194	Biological and behavioral factors modify biomarkers of arsenic exposure in a U.S. population. <i>Environmental Research</i> , 2013 , 126, 134-44	7.9	30
193	Arsenic speciation in the blood of arsenite-treated F344 rats. <i>Chemical Research in Toxicology</i> , 2013 , 26, 952-62	4	35
192	Arsenic binding to proteins. <i>Chemical Reviews</i> , 2013 , 113, 7769-92	68.1	458
191	Dynamic DNA assemblies mediated by binding-induced DNA strand displacement. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2443-6	16.4	154
190	Thermal stability of DNA functionalized gold nanoparticles. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1790-7	6.3	88
189	Multidrug resistance protein 1 (ABCC1) confers resistance to arsenic compounds in human myeloid leukemic HL-60 cells. <i>Archives of Toxicology</i> , 2013 , 87, 1013-23	5.8	9
188	DNA-Assemblierung mittels Affinitätsbindung für die ultraempfindliche Proteindetektion. <i>Angewandte Chemie</i> , 2013 , 125, 10894-10902	3.6	12
187	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	1.3	54
186	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, 155-9	4.4	7

185	DNase-mediated single-cycle selection of aptamers for proteins blotted on a membrane. <i>Analytical Chemistry</i> , 2012 , 84, 7603-6	7.8	29
184	Binding-induced DNA assembly and its application to yoctomole detection of proteins. <i>Analytical Chemistry</i> , 2012 , 84, 877-84	7.8	63
183	A Molecular Translator that Acts by Binding-Induced DNA Strand Displacement for a Homogeneous Protein Assay. <i>Angewandte Chemie</i> , 2012 , 124, 9451-9454	3.6	9
182	A molecular translator that acts by binding-induced DNA strand displacement for a homogeneous protein assay. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9317-20	16.4	90
181	Urine Sample Collection and Handling 2012 , 123-142		2
180	Arsenic urinary speciation in Mthfr deficient mice injected with sodium arsenate. <i>Toxicology Letters</i> , 2012 , 215, 214-8	4.4	9
179	Applications of aptamer affinity chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 41, 46-57	14.6	55
178	Enzyme Digestion for Speciation of Arsenic 2012 , 421-433		0
177	Binding-induced fluorescence turn-on assay using aptamer-functionalized silver nanocluster DNA probes. <i>Analytical Chemistry</i> , 2012 , 84, 5170-4	7.8	285
176	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	18.3	10
175	DNA Damage, Repair, and Genome Instability (Including Affinity Techniques) 2012 , 231-260		
174	Mesoporöse Materialien in der Peptidomanalyse. <i>Angewandte Chemie</i> , 2012 , 124, 3576-3577	3.6	
173	Mesoporous materials in peptidome analysis. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3518-20	16.4	17
172	Concomitant induction of heme oxygenase-1 attenuates the cytotoxicity of arsenic species from lumbricus extract in human liver HepG2 cells. <i>Chemistry and Biodiversity</i> , 2012 , 9, 739-54	2.5	6
171	Electrospray Mass Spectrometry of Arsenic Compounds and Thiol-Arsenic Complexes 2011 ,		1
170	Competitive protection of aptamer-functionalized gold nanoparticles by controlling the DNA assembly. <i>Analytical Chemistry</i> , 2011 , 83, 6464-7	7.8	24
169	Aptamer capturing of enzymes on magnetic beads to enhance assay specificity and sensitivity. <i>Analytical Chemistry</i> , 2011 , 83, 9234-6	7.8	58
168	Monomethylarsenic diglutathione transport by the human multidrug resistance protein 1 (MRP1/ABCC1). <i>Drug Metabolism and Disposition</i> , 2011 , 39, 2298-304	4	35

167	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	4.4	7
166	Selection and analytical applications of aptamers binding microbial pathogens. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1587-1597	14.6	85
165	DNA aptamers binding to multiple prevalent M-types of <i>Streptococcus pyogenes</i> . <i>Analytical Chemistry</i> , 2011 , 83, 3640-7	7.8	71
164	Comparative toxicity of arsenic metabolites in human bladder cancer EJ-1 cells. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1586-96	4	106
163	First feasibility experiment for the EXL project with prototype detectors at the ESR storage ring. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 634, 77-84	1.2	27
162	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, 320-6	4.4	46
161	Electrospray ionization mass spectrometry characterization of interactions of newly identified water disinfection byproducts halobenzoquinones with oligodeoxynucleotides. <i>Environmental Science & Technology</i> , 2010 , 44, 9557-63	10.3	28
160	New method and detection of high concentrations of monomethylarsonous acid detected in contaminated groundwater. <i>Environmental Science & Technology</i> , 2010 , 44, 5875-80	10.3	20
159	Detection of <i>Escherichia coli</i> O157:H7 using gold nanoparticle labeling and inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 3399-403	7.8	124
158	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, 3986-91	10.3	22
157	A review on arsenic concentrations in Canadian drinking water. <i>Environmental Reviews</i> , 2010 , 18, 291-307	4.5	41
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1	Arsenic Compounds in Water ⁷		