

Xucong Lin

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.

77 papers	1,345 citations	23 h-index	31 g-index
79 ext. papers	1,485 ext. citations	4.3 avg, IF	4.51 L-index

#	Paper	IF	Citations
77	Aptamer-functionalized metal-organic framework-coated nanofibers with multi-affinity sites for highly sensitive, selective recognition of ultra-trace microcystin-LR. <i>Talanta</i> , 2022 , 236, 122880	6.2	2
76	Towards highly specific aptamer-affinity monolithic column by efficient UV light-initiated polymerization in "one-pot". <i>Analytica Chimica Acta</i> , 2021 , 1165, 338517	6.6	1
75	Online specific recognition of mycotoxins using aptamer-grafted ionic affinity monolith with mixed-mode mechanism. <i>Journal of Chromatography A</i> , 2021 , 1639, 461930	4.5	4
74	Heteroporous 3D covalent organic framework-based magnetic nanospheres for sensitive detection of bisphenol A. <i>Talanta</i> , 2021 , 231, 122343	6.2	2
73	In situ photo-initiated polymerized oligonucleotide-functionalized hydrophilic capillary affinity monolith for highly selective in-tube microextraction of ochratoxin A mycotoxin. <i>Mikrochimica Acta</i> , 2021 , 188, 341	5.8	0
72	Aptamer-functionalized metal-organic framework-based electrospun nanofibrous composite coating fiber for specific recognition of ultratrace microcystin in water. <i>Journal of Chromatography A</i> , 2021 , 1656, 462542	4.5	2
71	Facile DNA adsorption enabling ammonium-based hydrophilic affinity monolithic column for high-performance online selective microextraction of ochratoxin A. <i>Analytica Chimica Acta</i> , 2021 , 1185, 339077	6.6	
70	A facile aptamer immobilization strategy to fabricate a robust affinity monolith for highly specific in-tube solid-phase microextraction. <i>Analyst, The</i> , 2021 , 146, 5732-5739	5	2
69	Towards online specific recognition and sensitive analysis of bisphenol A by using AuNPs@aptamer hybrid-silica affinity monolithic column with LC-MS. <i>Talanta</i> , 2020 , 219, 121275	6.2	17
68	Towards high-efficient online specific discrimination of zearalenone by using gold nanoparticles@aptamer-based affinity monolithic column. <i>Journal of Chromatography A</i> , 2020 , 1620, 461026	4.5	15
67	Integration of fluorescence/photoacoustic imaging and targeted chemo/photothermal therapy with Ag ₂ Se@BSA-RGD nanodots. <i>New Journal of Chemistry</i> , 2020 , 44, 4850-4857	3.6	5
66	Facile preparation of stainless steel microextraction fiber via in situ growth of metal-organic framework UiO-66 and its application to sensitive analysis of polycyclic musks. <i>Journal of Separation Science</i> , 2020 , 43, 2240-2246	3.4	2
65	Highly efficient preparation of ECD-based chiral monolithic column by "one-pot" hydroxymethyl polycondensation for enantioseparation in capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1616, 460781	4.5	3
64	Photocatalytic reduction for graphene oxide by PbTiO ₃ with high polarizability and its electrocatalytic application in pyrrole detection. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 502-509	8.3	7
63	Online high-efficient specific detection of zearalenone in rice by using high-loading aptamer affinity hydrophilic monolithic column coupled with HPLC. <i>Talanta</i> , 2020 , 219, 121309	6.2	14
62	Highly hydrophilic polyhedral oligomeric silsesquioxane (POSS)-containing aptamer-modified affinity hybrid monolith for efficient on-column discrimination with low nonspecific adsorption. <i>Analyst, The</i> , 2019 , 144, 1555-1564	5	13
61	Preparation of aptamer-bound polyamine affinity monolithic column via a facile triazine-bridged strategy and application to on-column specific discrimination of ochratoxin A. <i>Journal of Separation Science</i> , 2019 , 42, 2272-2279	3.4	13

60	Preparation and evaluation of highly hydrophilic aptamer-based hybrid affinity monolith for on-column specific discrimination of ochratoxin A. <i>Talanta</i> , 2019 , 200, 193-202	6.2	24
59	Sensitive amperometric detection for capillary electrophoresis of phenol carbamates with in-line thermal hydrolysis strategy. <i>Electrophoresis</i> , 2019 , 40, 1648-1655	3.6	3
58	Silver nanoparticles-coated monolithic column for in-tube solid-phase microextraction of monounsaturated fatty acid methyl esters. <i>Journal of Chromatography A</i> , 2019 , 1585, 19-26	4.5	18
57	Biomimetic Synthesis of Ag Se Quantum Dots with Enhanced Photothermal Properties and as "Gatekeepers" to Cap Mesoporous Silica Nanoparticles for Chemo-Photothermal Therapy. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 155-161	4.5	12
56	An aptamer@AuNP-modified POSS-polyethylenimine hybrid affinity monolith with a high aptamer coverage density for sensitive and selective recognition of ochratoxin A. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1965-1972	7.3	24
55	Quinine-modified polymer monolithic column with reversed-phase /strong anion-exchange mixed-mode for pressurized capillary electrochromatography. <i>Electrophoresis</i> , 2018 , 39, 1504-1511	3.6	6
54	A facile AuNPs@aptamer-modified mercaptosiloxane-based hybrid affinity monolith with an unusually high coverage density of aptamer for on-column selective extraction of ochratoxin A. <i>Analyst, The</i> , 2018 , 143, 5210-5217	5	25
53	Aptamer-based polyhedral oligomeric silsesquioxane (POSS)-containing hybrid affinity monolith prepared via a "one-pot" process for selective extraction of ochratoxin A. <i>Journal of Chromatography A</i> , 2018 , 1563, 37-46	4.5	35
52	Urea-formaldehyde monolithic column for hydrophilic in-tube solid-phase microextraction of aminoglycosides. <i>Journal of Chromatography A</i> , 2017 , 1485, 24-31	4.5	24
51	Detection of trans-fatty acids by high performance liquid chromatography coupled with in-tube solid-phase microextraction using hydrophobic polymeric monolith. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1040, 214-221	3.2	19
50	Sodium hyaluronate-functionalized urea-formaldehyde monolithic column for hydrophilic in-tube solid-phase microextraction of melamine. <i>Journal of Chromatography A</i> , 2017 , 1515, 54-61	4.5	14
49	Sensitive profiling of trace neurotoxin domoic acid by pressurized capillary electrochromatography with laser-induced fluorescence detection. <i>RSC Advances</i> , 2017 , 7, 53778-53784	3.7	5
48	Rapid fabrication of ionic liquid-functionalized monolithic column via in-situ urea-formaldehyde polycondensation for pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2016 , 1449, 100-8	4.5	26
47	Polyhedral oligomeric silsesquioxane (POSS)-based multifunctional organic-silica hybrid monoliths. <i>Analyst, The</i> , 2013 , 138, 5555-8	5	13
46	Vinylbenzyl quaternary ammonium-based polymeric monolith with hydrophilic interaction/strong anion exchange mixed-mode for pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2013 , 1316, 104-11	4.5	21
45	Rapid capillary electrochromatographic profiling of phytohormones on a hydrophilic interaction/strong anion-exchange mixed-mode monolith. <i>Analyst, The</i> , 2013 , 138, 635-41	5	23
44	A facile versatile polymeric monolith for multiple separations. <i>Analyst, The</i> , 2013 , 138, 771-4	5	10
43	Dipyridyl-immobilized ionic liquid type hybrid silica monolith for hydrophilic interaction electrochromatography. <i>Electrophoresis</i> , 2013 , 34, 3091-9	3.6	16

42	Phenylalanine functionalized zwitterionic monolith for hydrophobic interaction electrochromatography. <i>Electrophoresis</i> , 2013 , 34, 3293-9	3.6	6
41	A polymer monolith for hydrophilic and dynamically surfactant-modified reversed-phase capillary electrochromatography. <i>RSC Advances</i> , 2013 , 3, 21888	3.7	3
40	Sensitive capillary electrophoretic profiling of nicotine and nornicotine in mushrooms with amperometric detection. <i>Electrophoresis</i> , 2013 , 34, 2033-40	3.6	5
39	Electroneutral silica-based hybrid monolith for hydrophilic interaction capillary electrochromatography. <i>Journal of Chromatography A</i> , 2012 , 1260, 174-82	4.5	25
38	Preparation and characterization of hybrid-silica monolithic column with mixed-mode of hydrophilic and strong anion-exchange interactions for pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2012 , 1239, 56-63	4.5	31
37	Phenylaminopropyl-functionalized stationary phase for open-tubular capillary electrochromatography of alkaloids and aromatic acids. <i>Journal of Separation Science</i> , 2011 , 34, 2337-44	3.4	6
36	Branched polyethyleneimine-bonded tentacle-type polymer stationary phase for peptides and proteins separations by open-tubular capillary electrochromatography. <i>Journal of Separation Science</i> , 2011 , 34, 3383-91	3.4	22
35	Novel highly hydrophilic methacrylate-based monolithic column with mixed-mode of hydrophilic and strong cation-exchange interactions for pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 4671-7	4.5	45
34	Separation and determination of structurally related free bile acids by pressurized capillary electrochromatography coupled to laser induced fluorescence detection. <i>Analytical Methods</i> , 2010 , 2, 1927	3.2	15
33	Off-Column Amperometric Detection for Pressurized Capillary Electrochromatography. <i>Chromatographia</i> , 2010 , 71, 659-665	2.1	3
32	Pressurized capillary electrochromatography with indirect amperometric detection for analysis of organophosphorus pesticide residues. <i>Analyst</i> , 2010 , 135, 2150-6	5	18
31	Analysis of phenolic xenoestrogens by pressurized CEC with amperometric detection. <i>Electrophoresis</i> , 2010 , 31, 1011-8	3.6	12
30	Preparation of a neutral porous monolith and its evaluation in pressurized capillary electrochromatography with neutral and charged solutes. <i>Electrophoresis</i> , 2010 , 31, 1674-80	3.6	5
29	Preparation and characterization of a molecularly imprinted monolithic column for pressure-assisted CEC separation of nitroimidazole drugs. <i>Electrophoresis</i> , 2010 , 31, 2822-30	3.6	20
28	Sulfoalkylbetaine-based monolithic column with mixed-mode of hydrophilic interaction and strong anion-exchange stationary phase for capillary electrochromatography. <i>Electrophoresis</i> , 2010 , 31, 2997-3005	3.6	31
27	Silica-based zwitterionic monolithic stationary phase for separation of neutral and ionized solutes using pressurized CEC. <i>Journal of Separation Science</i> , 2010 , 33, 1625-32	3.4	4
26	Triamine-bonded stationary phase for open tubular capillary electrochromatography. <i>Journal of Separation Science</i> , 2010 , 33, 3184-93	3.4	10
25	Rapid analysis of trace levels of flavins by pressurized capillary electrochromatography-laser induced fluorescence detection with sulfonated N-octadecyl methacrylate monolith. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 1324-31	3.5	7

24	Preparation and evaluation of a sulfoalkylbetaine-based zwitterionic monolithic column for CEC of polar analytes. <i>Electrophoresis</i> , 2009 , 30, 2702-10	3.6	26
23	Quantification of domoic acid in shellfish tissues by pressurized capillary electrochromatography. <i>Journal of Separation Science</i> , 2009 , 32, 2117-22	3.4	15
22	Glycin-bonded silica monolithic column as zwitterionic stationary phase for hydrophilic interaction pressurized capillary electrochromatography. <i>Journal of Separation Science</i> , 2009 , 32, 2767-75	3.4	12
21	Preparation of a mixed-mode hydrophilic interaction/anion-exchange polymeric monolithic stationary phase for capillary liquid chromatography of polar analytes. <i>Journal of Chromatography A</i> , 2009 , 1216, 801-6	4.5	38
20	Preparation and evaluation of a neutral methacrylate-based monolithic column for hydrophilic interaction stationary phase by pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 4611-7	4.5	47
19	Investigation of enantiomer recognition of molecularly imprinted polymeric monoliths in pressurized capillary electrochromatography screening the amino acids and their derivatives. <i>Journal of Chromatography A</i> , 2009 , 1216, 5320-6	4.5	44
18	Capillary liquid chromatography using a hydrophilic/cation-exchange monolithic column with a dynamically modified cationic surfactant. <i>Journal of Chromatography A</i> , 2009 , 1216, 7728-31	4.5	14
17	Analysis of phenoxyl-type N-methylcarbamate pesticide residues in vegetables by capillary zone electrophoresis with pre-column hydrolysis and amperometric detection. <i>Journal of Chromatographic Science</i> , 2008 , 46, 615-21	1.4	12
16	Evaluation of band broadening in chemiluminescence detection coupled to pressurized capillary electrochromatography with an off-column coaxial flow interface. <i>Electrophoresis</i> , 2008 , 29, 401-9	3.6	8
15	Monolithic column with double mixed-modes of hydrophilic interaction/cation-exchange and reverse-phase/cation-exchange stationary phase for pressurized capillary electrochromatography. <i>Electrophoresis</i> , 2008 , 29, 928-35	3.6	23
14	Methacrylate-based monolithic column with mixed-mode hydrophilic interaction/strong cation-exchange stationary phase for capillary liquid chromatography and pressure-assisted CEC. <i>Electrophoresis</i> , 2008 , 29, 4055-65	3.6	38
13	Electrochromatographic characterization of methacrylate-based monolith with mixed mode of hydrophilic and weak electrostatic interactions by pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2008 , 1190, 365-71	4.5	41
12	Development of a new method for analysis of Sudan dyes by pressurized CEC with amperometric detection. <i>Electrophoresis</i> , 2007 , 28, 1696-703	3.6	29
11	Separation and determination of five major opium alkaloids with mixed mode of hydrophilic/cation-exchange monolith by pressurized capillary electrochromatography. <i>Journal of Separation Science</i> , 2007 , 30, 3011-7	3.4	31
10	End-column chemiluminescence detection for pressurized capillary electrochromatographic analysis of norepinephrine and epinephrine. <i>Journal of Chromatography A</i> , 2007 , 1170, 118-21	4.5	35
9	On-column coaxial flow chemiluminescence detection for underivatized amino acids by pressurized capillary electrochromatography using a monolithic column. <i>Analytical Chemistry</i> , 2006 , 78, 5322-8	7.8	25
8	Determination of pyrethroid pesticide residues in vegetables by pressurized capillary electrochromatography. <i>Talanta</i> , 2006 , 69, 97-102	6.2	86
7	PVC matrix membrane sensor for fluorescent determination of phosphate. <i>Talanta</i> , 2006 , 70, 32-6	6.2	23

6	Phenylaminopropyl silica monolithic column for pressure assisted capillary electrochromatography. <i>Journal of Chromatography A</i> , 2006 , 1117, 170-5	4.5	17
5	Separation of Polar and Basic Compounds in Hydrophilic Interaction Pressurized CEC Using Diethylenetriaminopropyl Silica Monolithic Columns. <i>Chromatographia</i> , 2006 , 64, 267-272	2.1	13
4	Separation of structurally related estrogens using isocratic elution pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2005 , 1092, 258-62	4.5	35
3	On-line coupling of pressurized capillary electrochromatography with end-column amperometric detection for analysis of estrogens. <i>Electrophoresis</i> , 2005 , 26, 2342-50	3.6	39
2	Gold Nanoparticle-Decorated Porous Silica for Surface-Enhanced Raman Scattering-Based Detection of Trace Molecules in Liquid Phase. <i>ACS Applied Nano Materials</i> ,	5.6	2
1	Develop potential multi-target drugs by self-assembly of quercetin with amino acids and metal ion to achieve significant efficacy in anti-Alzheimer's disease. <i>Nano Research</i> ,1	10	1