

Xucong Lin

List of Publications by Year in descending order

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78
papers

1,621
citations

236925

25
h-index

377865

34
g-index

79
all docs

79
docs citations

79
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of pyrethroid pesticide residues in vegetables by pressurized capillary electrochromatography. <i>Talanta</i> , 2006, 69, 97-102.	5.5	93
2	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, 4611-4617.	3.7	53
3	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, 5320-5326.	3.7	46
4	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, 4671-4677.	3.7	46
5	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, 365-371.	3.7	43
6	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.	3.7	43
7	On-line coupling of pressurized capillary electrochromatography with end-column amperometric detection for analysis of estrogens. <i>Electrophoresis</i> , 2005, 26, 2342-2350.	2.4	42
8	End-column chemiluminescence detection for pressurized capillary electrochromatographic analysis of norepinephrine and epinephrine. <i>Journal of Chromatography A</i> , 2007, 1170, 118-121.	3.7	40
9	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, 4055-4065.	2.4	39
10	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, 801-806.	3.7	38
11	Separation of structurally related estrogens using isocratic elution pressurized capillary electrochromatography. <i>Journal of Chromatography A</i> , 2005, 1092, 258-262.	3.7	37
12	Urea-formaldehyde monolithic column for hydrophilic in-tube solid-phase microextraction of aminoglycosides. <i>Journal of Chromatography A</i> , 2017, 1485, 24-31.	3.7	34
13	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.	5.5	34
14	Development of a new method for analysis of Sudan dyes by pressurized CEC with amperometric detection. <i>Electrophoresis</i> , 2007, 28, 1696-1703.	2.4	32
15	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, 3011-3017.	2.5	31
16	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.	2.4	31
17	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.	3.7	31
18	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</i> , The, 2018, 143, 5210-5217.	3.5	30

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19	Preparation and evaluation of a sulfoalkylbetaine-based zwitterionic monolithic column for CEC of polar analytes. <i>Electrophoresis</i> , 2009, 30, 2702-2710.	2.4	29
20	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.	5.8	29
21	On-Column Coaxial Flow Chemiluminescence Detection for Underivatized Amino Acids by Pressurized Capillary Electrochromatography Using a Monolithic Column. <i>Analytical Chemistry</i> , 2006, 78, 5322-5328.	6.5	27
22	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, 100-108.	3.7	27
23	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.	5.5	27
24	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, 928-935.	2.4	26
25	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.	5.5	26
26	Electroneutral silica-based hybrid monolith for hydrophilic interaction capillary electrochromatography. <i>Journal of Chromatography A</i> , 2012, 1260, 174-182.	3.7	25
27	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.	3.7	25
28	PVC matrix membrane sensor for fluorescent determination of phosphate. <i>Talanta</i> , 2006, 70, 32-36.	5.5	24
29	Rapid capillary electrochromatographic profiling of phytohormones on a hydrophilic interaction/strong anion-exchange mixed-mode monolith. <i>Analyst</i> , 2013, 138, 635-641.	3.5	24
30	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, 3383-3391.	2.5	23
31	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, 104-111.	3.7	23
32	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.	2.3	23
33	Heteroporous 3D covalent organic framework-based magnetic nanospheres for sensitive detection of bisphenol A. <i>Talanta</i> , 2021, 231, 122343.	5.5	23
34	Preparation and characterization of a molecularly imprinted monolithic column for pressure-assisted CEC separation of nitroimidazole drugs. <i>Electrophoresis</i> , 2010, 31, 2822-2830.	2.4	20
35	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.	3.7	20
36	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.	3.7	20

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37	Quantification of domoic acid in shellfish tissues by pressurized capillary electrochromatography. <i>Journal of Separation Science</i> , 2009, 32, 2117-2122.	2.5	19
38	Pressurized capillary electrochromatography with indirect amperometric detection for analysis of organophosphorus pesticide residues. <i>Analyst, The</i> , 2010, 135, 2150.	3.5	19
39	Biomimetic Synthesis of Ag ₂ 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.	3.3	19
40	Phenylaminopropyl silica monolithic column for pressure assisted capillary electrochromatography. <i>Journal of Chromatography A</i> , 2006, 1117, 170-175.	3.7	18
41	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.	5.5	18
42	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.	3.5	17
43	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.	2.5	17
44	Dipyridyl-immobilized ionic liquid type hybrid silica monolith for hydrophilic interaction electrochromatography. <i>Electrophoresis</i> , 2013, 34, 3091-3099.	2.4	16
45	Capillary liquid chromatography using a hydrophilic/cation-exchange monolithic column with a dynamically modified cationic surfactant. <i>Journal of Chromatography A</i> , 2009, 1216, 7728-7731.	3.7	15
46	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.	2.7	15
47	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.	9.4	15
48	Separation of Polar and Basic Compounds in Hydrophilic Interaction Pressurized CEC Using Diethylenetriaminopropyl Silica Monolithic Columns. <i>Chromatographia</i> , 2006, 64, 267-272.	1.3	14
49	Analysis of Phenoxy-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, 615-621.	1.4	14
50	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.	2.8	14
51	Glycin-bonded silica monolithic column as zwitterionic stationary phase for hydrophilic interaction pressurized capillary electrochromatography. <i>Journal of Separation Science</i> , 2009, 32, 2767-2775.	2.5	13
52	Analysis of phenolic xenoestrogens by pressurized CEC with amperometric detection. <i>Electrophoresis</i> , 2010, 31, 1011-1018.	2.4	13
53	Polyhedral oligomeric silsesquioxane (POSS)-based multifunctional organic-silica hybrid monoliths. <i>Analyst, The</i> , 2013, 138, 5555.	3.5	13
54	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.	3.7	12

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55	A facile versatile polymeric monolith for multiple separations. <i>Analyst, The</i> , 2013, 138, 771-774.	3.5	11
56	Triamine β -bonded stationary phase for open tubular capillary electrochromatography. <i>Journal of Separation Science</i> , 2010, 33, 3184-3193.	2.5	10
57	Gold Nanoparticle-Decorated Porous Silica for Surface-Enhanced Raman Scattering-Based Detection of Trace Molecules in Liquid Phase. <i>ACS Applied Nano Materials</i> , 2022, 5, 527-536.	5.0	10
58	Evaluation of band broadening in chemiluminescence detection coupled to pressurized capillary electrochromatography with an off β -column coaxial flow interface. <i>Electrophoresis</i> , 2008, 29, 401-409.	2.4	9
59	Phenylalanine functionalized zwitterionic monolith for hydrophobic interaction electrochromatography. <i>Electrophoresis</i> , 2013, 34, 3293-3299.	2.4	9
60	Quinine β -modified polymer monolithic column with reversed β -phase /strong anion β -exchange mixed β -mode for pressurized capillary electrochromatography. <i>Electrophoresis</i> , 2018, 39, 1504-1511.	2.4	9
61	Sensitive detection of the okadaic acid marine toxin in shellfish by Au@Pt NPs/horseradish peroxidase dual catalysis immunoassay. <i>Analytical Methods</i> , 2022, 14, 1261-1267.	2.7	9
62	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.	3.5	8
63	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, 1324-1331.	2.8	7
64	Highly efficient preparation of β -CD-based chiral monolithic column by β -one-pot β -hydroxymethyl polycondensation for enantioseparation in capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1616, 460781.	3.7	7
65	Facile preparation of stainless steel microextraction fiber via in situ growth of metal β -organic framework UiO β 66 and its application to sensitive analysis of polycyclic musks. <i>Journal of Separation Science</i> , 2020, 43, 2240-2246.	2.5	7
66	Towards highly specific aptamer-affinity monolithic column by efficient UV light-initiated polymerization in β -one-pot β . <i>Analytica Chimica Acta</i> , 2021, 1165, 338517.	5.4	7
67	Phenylaminopropyl β -functionalized stationary phase for open β -tubular capillary electrochromatography of alkaloids and aromatic acids. <i>Journal of Separation Science</i> , 2011, 34, 2337-2344.	2.5	6
68	Sensitive amperometric detection for capillary electrophoresis of phenol carbamates with in β -line thermal hydrolysis strategy. <i>Electrophoresis</i> , 2019, 40, 1648-1655.	2.4	6
69	Online specific recognition of mycotoxins using aptamer-grafted ionic affinity monolith with mixed-mode mechanism. <i>Journal of Chromatography A</i> , 2021, 1639, 461930.	3.7	6
70	Preparation of a neutral porous monolith and its evaluation in pressurized capillary electrochromatography with neutral and charged solutes. <i>Electrophoresis</i> , 2010, 31, 1674-1680.	2.4	5
71	Sensitive capillary electrophoretic profiling of nicotine and nornicotine in mushrooms with amperometric detection. <i>Electrophoresis</i> , 2013, 34, 2033-2040.	2.4	5
72	Sensitive profiling of trace neurotoxin domoic acid by pressurized capillary electrochromatography with laser-induced fluorescence detection. <i>RSC Advances</i> , 2017, 7, 53778-53784.	3.6	5

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73	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> , 2022, 15, 5173-5182.	10.4	5
74	Silica-based zwitterionic monolithic stationary phase for separation of neutral and ionized solutes using pressurized CEC. <i>Journal of Separation Science</i> , 2010, 33, 1625-1632.	2.5	4
75	Off-Column Amperometric Detection for Pressurized Capillary Electrochromatography. <i>Chromatographia</i> , 2010, 71, 659-665.	1.3	3
76	A polymer monolith for hydrophilic and dynamically surfactant-modified reversed-phase capillary electrochromatography. <i>RSC Advances</i> , 2013, 3, 21888.	3.6	3
77	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.	5.4	3
78	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.	5.0	1