

Silica Xerogel as a Continuous Column Support for High Chromatography

Analytical Chemistry

68, 2709-2712

DOI: [10.1021/ac951247v](https://doi.org/10.1021/ac951247v)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Protein Separation with Flow-Through Chromatography. Separation and Purification Reviews, 1997, 26, 215-253.	0.8	6
2	Electrochemistry in solids prepared by sol-gel processes. Mikrochimica Acta, 1997, 127, 131-147.	5.0	60
3	New packing materials for protein chromatography. Biomedical Applications, 1997, 699, 3-27.	1.7	83
4	Advances in capillary electrochromatography. Electrophoresis, 1997, 18, 2162-2174.	2.4	114
5	Capillary electrochromatography: A review. Journal of Separation Science, 1997, 9, 357-372.	1.0	110
6	Sintered octadecylsilica as monolithic column packing in capillary electrochromatography and micro high-performance liquid chromatography. Journal of Chromatography A, 1998, 806, 251-263.	3.7	192
7	Capillary electrochromatography. Analyst, The, 1998, 123, 87-102.	3.5	151
8	Preparation and Characterization of Monolithic Porous Capillary Columns Loaded with Chromatographic Particles. Analytical Chemistry, 1998, 70, 5103-5107.	6.5	175
9	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. 1. Fine Control of Porous Properties and Surface Chemistry. Analytical Chemistry, 1998, 70, 2288-2295.	6.5	389
10	Liquid Chromatography: Theory and Methodology. Analytical Chemistry, 1998, 70, 591-644.	6.5	68
11	Molded Rigid Monolithic Porous Polymers: An Inexpensive, Efficient, and Versatile Alternative to Beads for the Design of Materials for Numerous Applications. Industrial & Engineering Chemistry Research, 1999, 38, 34-48.	3.7	237
12	Continuous superporous agarose beds for chromatography and electrophoresis. Journal of Chromatography A, 1999, 832, 29-39.	3.7	56
13	Monolithic columns containing sol-gel bonded octadecylsilica for capillary electrochromatography. Journal of Chromatography A, 1999, 837, 35-50.	3.7	115
14	(Normal-phase) capillary chromatography using acrylic polymer-based continuous beds. Journal of Chromatography A, 1999, 837, 25-33.	3.7	67
15	Network modeling of the convective flow and diffusion of molecules adsorbing in monoliths and in porous particles packed in a chromatographic column. Journal of Chromatography A, 1999, 852, 3-23.	3.7	168
16	Recent developments in microcolumn liquid chromatography. Journal of Chromatography A, 1999, 856, 117-143.	3.7	175
17	Capillary columns with in situ formed porous monolithic packing for micro high-performance liquid chromatography and capillary electrochromatography. Journal of Chromatography A, 1999, 855, 273-290.	3.7	462
18	Electrochromatography: The Hope and the Promise. Microchemical Journal, 1999, 61, 6-11.	4.5	2

#	ARTICLE	IF	CITATIONS
19	Capillary electrochromatography using a fluoropolymer as the chromatographic support material. <i>Electrophoresis</i> , 1999, 20, 37-42.	2.4	19
20	In situ crosslinked polybutadiene-encapsulated zirconia as a monolithic column for fast solvating gas chromatography. <i>Journal of Separation Science</i> , 1999, 11, 415-420.	1.0	12
21	Sol-Gel Strategies for the Preparation of Selective Materials for Chemical Analysis. <i>Critical Reviews in Analytical Chemistry</i> , 1999, 29, 289-311.	3.5	125
22	Standard and Capillary Chromatography, Including Electrochromatography, on Continuous Polymer Beds (Monoliths), Based on Water-Soluble Monomers. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1205-1214.	3.7	71
23	Continuous-bed columns containing sol-gel bonded octadecylsilica for capillary liquid chromatography. <i>Journal of Separation Science</i> , 2000, 12, 6-12.	1.0	23
24	Monolithic Silica Columns for HPLC, Micro-HPLC, and CEC. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 111-116.	1.4	299
25	Monolithic Stationary Phases for Capillary Electrochromatography Based on Synthetic Polymers: Designs and Applications. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 3-18.	1.4	157
26	Preparation of Fritless Packed Silica Columns for Capillary Electrochromatography. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 89-92.	1.4	69
27	A New Monolithic-Type HPLC Column For Fast Separations. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 93-99.	1.4	306
28	A simple procedure for the preparation of fritless columns by entrapping conventional high performance liquid chromatography sorbents. <i>Electrophoresis</i> , 2000, 21, 3093-3101.	2.4	37
29	A new easy-to-prepare homogeneous continuous electrochromatographic bed for enantiomer recognition. <i>Electrophoresis</i> , 2000, 21, 3116-3125.	2.4	91
30	Enantiomer separation by capillary electrochromatography on a cyclodextrin-modified monolith. <i>Electrophoresis</i> , 2000, 21, 3152-3159.	2.4	83
31	Capillary electrochromatography on silica columns: factors influencing performance. <i>Journal of Chromatography A</i> , 2000, 892, 279-290.	3.7	39
32	Stationary phases for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2000, 887, 313-326.	3.7	63
33	Design of the monolithic polymers used in capillary electrochromatography columns. <i>Journal of Chromatography A</i> , 2000, 887, 3-29.	3.7	241
34	Packing columns for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2000, 887, 43-53.	3.7	101
35	Current developments in electrophoretic and chromatographic separation methods on microfabricated devices. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 352-363.	11.4	176
36	Electroosmosis- and Pressure-Driven Chromatography in Chips Using Continuous Beds. <i>Analytical Chemistry</i> , 2000, 72, 81-87.	6.5	235

#	ARTICLE	IF	CITATIONS
37	Performance of a Monolithic Silica Column in a Capillary under Pressure-Driven and Electrodriven Conditions. <i>Analytical Chemistry</i> , 2000, 72, 1275-1280.	6.5	316
38	Solâ€Gel Monolithic Columns with Reversed Electroosmotic Flow for Capillary Electrochromatography. <i>Analytical Chemistry</i> , 2000, 72, 4090-4099.	6.5	210
39	Structure, chemistry, and applications of sol-gel derived materials. , 2001, , 163-194.		9
40	Peer Reviewed: Monolithic LC Columns. <i>Analytical Chemistry</i> , 2001, 73, 420 A-429 A.	6.5	413
41	Packed Bed Columns. <i>Journal of Chromatography Library</i> , 2001, 62, 111-164.	0.1	9
42	Capillary Electrochromatography on Monolithic Silica Columns. <i>Journal of Chromatography Library</i> , 2001, 62, 165-181.	0.1	4
43	Synthesis of a Thermally Stable Silica/p-Anisidine Solâ€Gel Powdered Material. <i>Journal of Colloid and Interface Science</i> , 2001, 241, 413-416.	9.4	22
44	Stationary phases for capillary electrophoresis and capillary electrochromatography. <i>Electrophoresis</i> , 2001, 22, 612-628.	2.4	90
45	Enantioseparations by capillary electrochromatography. <i>Electrophoresis</i> , 2001, 22, 3131-3151.	2.4	157
46	Theory of capillary electrochromatography. <i>Journal of Chromatography A</i> , 2001, 916, 3-23.	3.7	122
47	Novel monolithic columns with templated porosity. <i>Journal of Chromatography A</i> , 2001, 924, 223-232.	3.7	70
48	Preparation and characterization of monolithic polymer columns for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2001, 923, 215-227.	3.7	100
49	Continuous superporous agarose beds in radial flow columns. <i>Journal of Chromatography A</i> , 2001, 925, 69-78.	3.7	49
50	Capillary electrochromatography in anion-exchange and normal-phase mode using monolithic stationary phases. <i>Journal of Chromatography A</i> , 2001, 925, 265-277.	3.7	110
51	New synthetic ways for the preparation of high-performance liquid chromatography supports. <i>Journal of Chromatography A</i> , 2001, 918, 233-266.	3.7	150
52	Control method for integrity of continuous beds. <i>Journal of Chromatography A</i> , 2001, 908, 179-184.	3.7	23
53	Capillary Column Technology: Continuous Polymer Monoliths. <i>Journal of Chromatography Library</i> , 2001, , 183-240.	0.1	10
54	Capillary electrochromatography based on molecular imprinting. <i>Techniques and Instrumentation in Analytical Chemistry</i> , 2001, 23, 377-393.	0.0	6

#	ARTICLE	IF	CITATIONS
55	Capillary Electrochromatography on Monolithic Silica Columns.. Analytical Sciences, 2002, 18, 89-92.	1.6	25
56	Porous Polymer Monoliths: An Alternative to Classical Beads. Advances in Biochemical Engineering/Biotechnology, 2002, 76, 87-125.	1.1	27
57	Capillary Electrochromatography: A Rapidly Emerging Separation Method. Advances in Biochemical Engineering/Biotechnology, 2002, 76, 1-47.	1.1	14
58	Solâ€Gel Capillary Microextraction. Analytical Chemistry, 2002, 74, 752-761.	6.5	149
59	Chapter 32 New polymeric extraction materials. Comprehensive Analytical Chemistry, 2002, 37, 1023-1080.	1.3	3
60	Bonded-phase photopolymerized sol-gel monoliths for reversed phase capillary electrochromatography. Journal of Separation Science, 2002, 25, 3-9.	2.5	57
61	Starburst dendrimers as macromolecular pore-templates for stationary phases in capillary chromatography. Journal of Separation Science, 2002, 25, 1252-1256.	2.5	15
62	High-speed gradient parallel liquid chromatography/tandem mass spectrometry with fully automated sample preparation for bioanalysis: 30 seconds per sample from plasma. Rapid Communications in Mass Spectrometry, 2002, 16, 1116-1123.	1.5	95
63	Properties and applications of proteins encapsulated within solâ€gel derived materials. Analytica Chimica Acta, 2002, 461, 1-36.	5.4	483
64	Repeatability and reproducibility of retention data and band profiles on six batches of monolithic columns. Journal of Chromatography A, 2002, 960, 19-49.	3.7	181
65	Methacrylate monolithic columns of 320 Î¼m I.D. for capillary liquid chromatography. Journal of Chromatography A, 2002, 946, 99-106.	3.7	98
66	Monolithic silica columns for high-efficiency chromatographic separations. Journal of Chromatography A, 2002, 965, 35-49.	3.7	478
67	Monolithic stationary phases for liquid chromatography and capillary electrochromatography. Journal of Chromatography A, 2002, 954, 5-32.	3.7	353
68	Monolithic columns for liquid chromatography. Analytical and Bioanalytical Chemistry, 2003, 376, 298-301.	3.7	53
69	Methacrylate monolithic columns for capillary liquid chromatography polymerized using ammonium peroxodisulfate as initiator. Journal of Separation Science, 2003, 26, 1623-1628.	2.5	45
70	Electrochromatography with a 2.7 mm inner diameter monolithic column. Journal of Chromatography A, 2003, 983, 255-262.	3.7	13
71	Monolithic Stationary Phases for the Separation of Small Molecules. Journal of Chromatography Library, 2003, 67, 373-387.	0.1	1
73	Monolithic Silica Columns for Capillary Liquid Chromatography. Journal of Chromatography Library, 2003, , 173-196.	0.1	11

#	ARTICLE	IF	CITATIONS
74	Large Scale Separations. Journal of Chromatography Library, 2003, , 561-599.	0.1	3
75	Monolithic Continuous Beds Prepared from Water-Soluble Acrylamide-Based Monomers. Journal of Chromatography Library, 2003, 67, 143-172.	0.1	4
76	The sol-gel encapsulation of enzymes. Biocatalysis and Biotransformation, 2004, 22, 145-170.	2.0	353
77	Potential of silica monolithic columns in peptide separations. Journal of Chromatography A, 2004, 1030, 187-194.	3.7	43
78	Characterization of some physical and chromatographic properties of monolithic poly(styrene-co-divinylbenzene) columns. Journal of Chromatography A, 2004, 1030, 201-208.	3.7	105
79	Small-angle Scattering Studies of Adsorption and of Capillary Condensation in Porous Solids. Particle and Particle Systems Characterization, 2004, 21, 80-100.	2.3	38
80	Polar stationary phases for capillary electrochromatography. Electrophoresis, 2004, 25, 4095-4109.	2.4	28
81	Reduced-bore monolithic silica column modified with C8-TEOS for reversed-phase electrochromatography. Journal of Separation Science, 2004, 27, 725-728.	2.5	10
82	Preparation and HPLC applications of rigid macroporous organic polymer monoliths. Journal of Separation Science, 2004, 27, 747-766.	2.5	225
83	Monoliths for fast bioseparation and bioconversion and their applications in biotechnology. Journal of Separation Science, 2004, 27, 767-778.	2.5	160
84	Organic polymer monoliths as stationary phases for capillary HPLC. Journal of Separation Science, 2004, 27, 1419-1430.	2.5	180
85	Applications of silica-based monolithic HPLC columns. Journal of Separation Science, 2004, 27, 843-852.	2.5	385
86	Preparation and characterization of long methacrylate monolithic column for capillary liquid chromatography. Journal of Chromatography A, 2004, 1052, 205-209.	3.7	25
87	Preparation and evaluation of zirconia-coated silica monolith for capillary electrochromatography. Talanta, 2004, 63, 593-598.	5.5	40
88	Continuous beds (monoliths): stationary phases for liquid chromatography formed using the hydrophobic interaction-based phase separation mechanism. Journal of Proteomics, 2004, 59, 1-48.	2.4	40
89	Capillary liquid chromatographic determination of cellular flavins. Journal of Chromatography A, 2004, 1053, 71-78.	3.7	16
90	Control of pore formation in macroporous polymers synthesized by single-step I^{137} -radiation-initiated polymerization and cross-linking. Polymer, 2005, 46, 2862-2871.	3.8	82
91	Preparation and evaluation of poly(polyethylene glycol methyl ether acrylate-co-polyethylene glycol) Tj ETQq1 1 0.784314 rgBT /Overlo	3.7	46

#	ARTICLE	IF	CITATIONS
92	Octyl-type monolithic columns of 530 $\hat{1}$ / ₄ m i.d. for capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2005, 1062, 183-188.	3.7	39
93	Homogeneous gels for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2005, 1079, 50-58.	3.7	15
94	Two-dimensional separation system of coupling capillary liquid chromatography to capillary electrophoresis for analysis of <i>Escherichia coli</i> metabolites. <i>Electrophoresis</i> , 2005, 26, 3468-3478.	2.4	24
95	Silica monolithic columns: Synthesis, characterisation and applications to the analysis of biological molecules. <i>Journal of Separation Science</i> , 2005, 28, 1628-1641.	2.5	85
96	Silica sol-gel monolithic materials and their use in a variety of applications. <i>Journal of Separation Science</i> , 2005, 28, 1893-1908.	2.5	95
97	Convective Interaction Media [®] (CIM) \hat{A} Short layer monolithic chromatographic stationary phases. <i>Biotechnology Annual Review</i> , 2005, 11, 281-333.	2.1	60
98	A New Preparation Method for Well-Controlled 3D Skeletal Epoxy Resin-Based Polymer Monoliths. <i>Macromolecules</i> , 2005, 38, 9901-9903.	4.8	101
99	Chapter 3 Peptide and protein separations by capillary electrophoresis and electrochromatography. <i>Comprehensive Analytical Chemistry</i> , 2005, 46, 149-252.	1.3	3
100	Efficient Polymer Monolith for Strong Cation-Exchange Capillary Liquid Chromatography of Peptides. <i>Analytical Chemistry</i> , 2006, 78, 3509-3518.	6.5	84
101	Reversed \hat{A} Phase Liquid Chromatography with Electrokinetic Flow Analysis System. <i>Instrumentation Science and Technology</i> , 2006, 34, 743-753.	1.8	5
102	Monolithic Materials: Promises, Challenges, Achievements. <i>Analytical Chemistry</i> , 2006, 78, 2100-2107.	6.5	347
103	Fast and Efficient Separations Using Reversed Phase Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 949-988.	1.0	26
104	Properties of Monolithic Silica Columns for HPLC. <i>Analytical Sciences</i> , 2006, 22, 491-501.	1.6	80
105	Monolithic poly(p-methylstyrene-co-1,2-bis(p-vinylphenyl)ethane) capillary columns as novel styrene stationary phases for biopolymer separation. <i>Journal of Chromatography A</i> , 2006, 1117, 56-66.	3.7	54
106	Monolithic organic polymeric columns for capillary liquid chromatography and electrochromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 841, 79-87.	2.3	70
107	Preparation of a monolithic column for weak cation exchange chromatography and its application in the separation of biopolymers. <i>Journal of Separation Science</i> , 2006, 29, 5-13.	2.5	29
108	Affinity monolith chromatography. <i>Journal of Separation Science</i> , 2006, 29, 1686-1704.	2.5	194
109	Stationary Phases. , 2006, , 75-138.		2

#	ARTICLE	IF	CITATIONS
110	Hydrophilic Interaction Chromatography Using Methacrylate-Based Monolithic Capillary Column for the Separation of Polar Analytes. <i>Analytical Chemistry</i> , 2007, 79, 1243-1250.	6.5	177
111	Developments in ion chromatography using monolithic columns. <i>Journal of Separation Science</i> , 2007, 30, 1628-1645.	2.5	52
112	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
113	Alkylated poly(styrene- <i>co</i> -divinylbenzene) monolithic columns for HPLC and CEC separation of phenolic acids. <i>Journal of Separation Science</i> , 2007, 30, 3018-3026.	2.5	38
114	Comparison between monolithic conventional size, microbore and capillary poly(p-methylstyrene- <i>co</i> -1,2-bis(p-vinylphenyl)ethane) high-performance liquid chromatography columns. <i>Journal of Chromatography A</i> , 2007, 1146, 216-224.	3.7	41
115	Preparation and characterization of polyethyleneimine modified ion-exchanger based on poly(methacrylate- <i>co</i> -ethylene dimethacrylate) monolith. <i>Journal of Chromatography A</i> , 2007, 1147, 24-29.	3.7	46
116	Pressurized capillary electrochromatographic analysis of water-soluble vitamins by combining with on-line concentration technique. <i>Journal of Chromatography A</i> , 2007, 1154, 416-422.	3.7	20
117	Micro-magnetic particles frit for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2007, 1157, 304-308.	3.7	16
118	Monolithic columns in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1168, 101-168.	3.7	758
119	Understanding and design of existing and future chromatographic support formats. <i>Journal of Chromatography A</i> , 2007, 1168, 73-99.	3.7	58
120	High-performance liquid chromatography with contactless conductivity detection for the determination of peptides and proteins using a monolithic capillary column. <i>Journal of Chromatography A</i> , 2007, 1176, 185-191.	3.7	28
121	The suitability of DEAE-Cl active groups on customized poly(GMA- <i>co</i> -EDMA) continuous stationary phase for fast enzyme-free isolation of plasmid DNA. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 853, 38-46.	2.3	26
122	Preparation and characterization of long alkyl chain methacrylate-based monolithic column for capillary chromatography. <i>Journal of Proteomics</i> , 2007, 70, 39-45.	2.4	45
123	Preparation of 3-dimensional skeletal polymer via control of reaction-induced phase separation in epoxy/poly(ethylene glycol) blends. <i>Polymer Bulletin</i> , 2008, 61, 671-677.	3.3	11
124	On-line concentration and pressurized capillary electrochromatographic analysis of phytohormones in corn. <i>Journal of Separation Science</i> , 2008, 31, 859-864.	2.5	17
125	Mixed-mode reversed-phase and ion-exchange monolithic columns for micro-HPLC. <i>Journal of Separation Science</i> , 2008, 31, 2774-2783.	2.5	24
126	Recent development of monolithic stationary phases with emphasis on microscale chromatographic separation. <i>Journal of Chromatography A</i> , 2008, 1184, 369-392.	3.7	251
127	Separation efficiencies in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2008, 1184, 474-503.	3.7	395

#	ARTICLE	IF	CITATIONS
128	Chromatographic characterisation of monolithic capillary columns for liquid chromatography based on methyltrimethoxysilane as sole precursor. <i>Journal of Chromatography A</i> , 2008, 1191, 282-291.	3.7	16
129	Investigation of Chromatographic Behavior and Porous Properties of Butyl Methacrylate Monolithic Columns. <i>Materials and Manufacturing Processes</i> , 2008, 23, 591-596.	4.7	1
130	17 Capillary electrochromatography of pharmaceuticals. <i>Separation Science and Technology</i> , 2008, 9, 439-476.	0.2	0
131	Chapter 8 Capillary-Based Separation Techniques. <i>Comprehensive Analytical Chemistry</i> , 2008, 51, 231-255.	1.3	0
132	Membrane Chromatography. , 2008, , 25-63.		2
133	Monolithic silica xerogel capillary column for separations in capillary LC and pressurized CEC. <i>Electrophoresis</i> , 2009, 30, 1071-1076.	2.4	8
134	CEC: Selected developments that caught my eye since the year 2000. <i>Electrophoresis</i> , 2009, 30, S68-82.	2.4	46
135	Pressurized CEC with gradient elution for separation of flavonoids from corn. <i>Journal of Separation Science</i> , 2009, 32, 388-393.	2.5	21
136	My favorite materials: Porous polymer monoliths. <i>Journal of Separation Science</i> , 2009, 32, 3-9.	2.5	30
137	Polymeric strong cationâ€xchange monolithic column for capillary liquid chromatography of peptides and proteins. <i>Journal of Separation Science</i> , 2009, 32, 2565-2573.	2.5	24
138	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
139	Novel zwitterionic polyphosphorylcholine monolithic column for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 2439-2448.	3.7	75
140	High capacity organic monoliths for the simultaneous application to biopolymer chromatography and the separation of small molecules. <i>Journal of Chromatography A</i> , 2009, 1216, 6303-6309.	3.7	73
141	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
142	Analytical Chemistry with Silica Sol-Gels: Traditional Routes to New Materials for Chemical Analysis. <i>Annual Review of Analytical Chemistry</i> , 2009, 2, 121-143.	5.4	168
143	Accelerating the Quality Control of Pharmaceuticals Using Monolithic Stationary Phases: A Review of Recent HPLC Applications. <i>Journal of Chromatographic Science</i> , 2009, 47, 443-451.	1.4	17
144	Ion Exchange Resin Bead Decoupled High-Pressure Electroosmotic Pump. <i>Analytical Chemistry</i> , 2009, 81, 5102-5106.	6.5	9
145	Rice husk derived silica aerogel as chromatographic packing material for colour separation of purple orchid (<i>Cattleya bowringiana</i>) flower. <i>Materials Research Innovations</i> , 2009, 13, 334-336.	2.3	1

#	ARTICLE	IF	CITATIONS
146	Monolithic Stationary Phases in HPLC. <i>Chromatographic Science</i> , 2010, , 3-45.	0.1	1
147	A Fast Way to Make a Monolithic Column for a High Pressure Electroosmotic Pump. <i>Analytical Sciences</i> , 2010, 26, 921-923.	1.6	5
148	Silicate-entrapped porous coatings for preparing high-efficiency solid-phase microextraction sorbents. <i>Analytica Chimica Acta</i> , 2010, 669, 39-44.	5.4	11
149	A strong inorganic acid-initiated methacrylate polymerization strategy for room temperature preparation of monolithic columns for capillary electrochromatography. <i>Electrophoresis</i> , 2010, 31, 1666-1673.	2.4	11
150	In situ SAXS observation on metal-salt-derived alumina sol-gel system accompanied by phase separation. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 303-308.	9.4	23
151	Porous polymer monoliths: Amazingly wide variety of techniques enabling their preparation. <i>Journal of Chromatography A</i> , 2010, 1217, 902-924.	3.7	526
152	Intact protein separation by chromatographic and/or electrophoretic techniques for top-down proteomics. <i>Journal of Chromatography A</i> , 2011, 1218, 8760-8776.	3.7	76
153	Recent advances in silica-based monoliths: Preparations, characterizations and applications. <i>Journal of Separation Science</i> , 2011, 34, 1945-1957.	2.5	39
155	Preparation of aligned porous silica monolithic capillary columns and their evaluation for HPLC. <i>Analytical Methods</i> , 2012, 4, 3942.	2.7	16
156	Highly crosslinked polymeric monoliths for reversed-phase capillary liquid chromatography of small molecules. <i>Journal of Chromatography A</i> , 2012, 1227, 96-104.	3.7	41
157	Preparation and characterization of alkyl methacrylate-based monolithic columns for capillary gas chromatography applications. <i>Journal of Chromatography A</i> , 2013, 1301, 200-208.	3.7	12
158	Preparation and evaluation of a novel molecularly imprinted hybrid composite monolithic column for on-line solid-phase extraction coupled with HPLC to detect trace fluoroquinolone residues in milk. <i>Analytical Methods</i> , 2013, 5, 1848.	2.7	36
159	Prepared Polymethacrylate-Based Monoliths for the Separation of Cations by Non-Suppressed Capillary Ion Chromatography. <i>Journal of Chromatographic Science</i> , 2014, 52, 442-446.	1.4	1
160	Preparation and characterization of poly(triallyl isocyanurate-co-trimethylolpropane triacrylate) monolith and its applications in the separation of small molecules by liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1333, 79-86.	3.7	23
161	Electroosmotic Pumps with Frits Synthesized from Potassium Silicate. <i>PLoS ONE</i> , 2015, 10, e0144065.	2.5	5
162	Ionic liquid as porogen in the preparation of a polymer-based monolith for the separation of protein by high performance liquid chromatography. <i>Analytical Methods</i> , 2015, 7, 607-613.	2.7	18
163	Fe/Al binary oxide aerogels and xerogels for catalytic oxidation of aqueous contaminants. <i>Separation and Purification Technology</i> , 2015, 156, 1035-1040.	7.9	7
164	Preparation of a restricted access material-macroporous hybrid monolithic column for on-line solid-phase extraction of the sulfonamides residues from honey. <i>Analytical Methods</i> , 2015, 7, 1563-1571.	2.7	15

#	ARTICLE	IF	CITATIONS
165	Recent Progress in Monolithic Silica Columns for High-Speed and High-Selectivity Separations. Annual Review of Analytical Chemistry, 2016, 9, 317-342.	5.4	36
166	Synthesis of the Coumarin-Containing Porous Silica as Column Packing Material. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 154-164.	3.7	2
167	Kinetic and Mass Transfer Model for Separation of Protein Using Ceramic Monoliths as a Stationary Phase. Chemical Engineering Communications, 2017, 204, 750-760.	2.6	1
168	Monolithic columns: A historical overview. Electrophoresis, 2017, 38, 2810-2820.	2.4	43
169	Mitigation of anomalous expansion of carbon xerogels and controllability of mean-pore-size by changes in mold geometry. Journal of Non-Crystalline Solids, 2017, 458, 22-27.	3.1	6
171	Pressure drop in liquid chromatography. Journal of Separation Science, 2019, 42, 72-88.	2.5	8
172	Metal-organic framework gels and monoliths. Chemical Science, 2020, 11, 310-323.	7.4	173
173	Silica aerogels with tailored chemical functionality. Materials and Design, 2020, 193, 108833.	7.0	53
174	Affinity monolith chromatography: A review of general principles and recent developments. Electrophoresis, 2021, 42, 2577-2598.	2.4	25
175	Capillary liquid chromatographic determination of cellular flavins. Journal of Chromatography A, 2004, 1053, 71-78.	3.7	10
176	Organic Monolith Column Technology for Capillary Liquid Chromatography. Advances in Chromatography, 2012, 50, 237-280.	1.0	3
177	UHPLC-MS(/MS) Analysis of Pesticides in Food. , 2014, , 17-50.		1
178	Macroporous Polymeric Materials. , 2009, , 237-263.		0
180	Monolithic stationary phases preparation for use in chromatographic and electromigration techniques: The state-of-the-art. Microchemical Journal, 2023, 190, 108598.	4.5	3