

CITATION REPORT

List of articles citing

Octadecylsilylated porous silica rods as separation media for reversed-phase liquid chromatography

DOI: 10.1021/ac960281m

Analytical Chemistry, 1996, 68, 3498-501.

Source: <https://exaly.com/paper-pdf/26714241/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
837	Effect of skeleton size on the performance of octadecylsilylated continuous porous silica columns in reversed-phase liquid chromatography. 1997 , 762, 135-46		301
836	Designing monolithic double-pore silica for high-speed liquid chromatography. 1998 , 797, 133-137		154
835	Sintered octadecylsilica as monolithic column packing in capillary electrochromatography and micro high-performance liquid chromatography. 1998 , 806, 251-63		180
834	Performance of an octadecylsilylated continuous porous silica column in polypeptide separations. 1998 , 828, 83-90		109
833	Structure Design of Double-Pore Silica and Its Application to HPLC. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 163-169	2.3	84
832	Effect of domain size on the performance of octadecylsilylated continuous porous silica columns in reversed-phase liquid chromatography. 1998 , 797, 121-131		257
831	Chromatographic Properties of Miniaturized Silica Rod Columns. 1998 , 21, 477-479		80
830	SilicaROD™A new challenge in fast high-performance liquid chromatography separations. 1998 , 17, 50-53		110
829	Molded rigid polymer monoliths as separation media for capillary electrochromatography. 1. Fine control of porous properties and surface chemistry. <i>Analytical Chemistry</i> , 1998 , 70, 2288-95	7.8	370
828	Liquid Chromatography: Theory and Methodology. <i>Analytical Chemistry</i> , 1998 , 70, 591-644	7.8	62
827	Molded Rigid Monolithic Porous Polymers: An Inexpensive, Efficient, and Versatile Alternative to Beads for the Design of Materials for Numerous Applications. 1999 , 38, 34-48		220
826	Packing materials and separation efficiencies in capillary electrochromatography. 1999 , 18, 291-301		43
825	Comparative study on the column performance of microparticulate 5- μ m C18-bonded and monolithic C18-bonded reversed-phase columns in high-performance liquid chromatography. 1999 , 832, 11-16		93
824	Continuous superporous agarose beds for chromatography and electrophoresis. 1999 , 832, 29-39		49
823	Separation of oligonucleotides on novel monolithic columns with ion-exchange functional surfaces. 1999 , 852, 297-304		127
822	Monolithic columns containing sol-gel bonded octadecylsilica for capillary electrochromatography. 1999 , 837, 35-50		110
821	Network modeling of the convective flow and diffusion of molecules adsorbing in monoliths and in porous particles packed in a chromatographic column. 1999 , 852, 3-23		161

820	Recent developments in microcolumn liquid chromatography. 1999 , 856, 117-43		163
819	Capillary columns with in situ formed porous monolithic packing for micro high-performance liquid chromatography and capillary electrochromatography. 1999 , 855, 273-90		435
818	Modeling and simulation of the dynamic behavior of monoliths. Effects of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles. 1999 , 865, 13-25		80
817	Silicate entrapped columns--new columns designed for capillary electrochromatography. <i>Electrophoresis</i> , 1999 , 20, 50-6	3.6	139
816	In situ crosslinked polybutadiene-encapsulated zirconia as a monolithic column for fast solvating gas chromatography. 1999 , 11, 415-420		12
815	Reversed-Phase Electrochromatography of Proteins on Modified Continuous Beds Using Normal-Flow and Counterflow Gradients. Theoretical and Practical Considerations. <i>Analytical Chemistry</i> , 1999 , 71, 1621-1627	7.8	127
814	Fast analytical-scale separations by capillary electrophoresis and liquid chromatography. 1999 , 99, 3081-132		64
813	Applications for Sol-Gel-Derived Materials in Medicine and Biology. 2000 , 5, 52-57		0
812	Tailoring Mesopores in Monolithic Macroporous Silica for HPLC. 2000 , 23, 106-110		103
811	Monolithic Silica Columns for HPLC, Micro-HPLC, and CEC. 2000 , 23, 111-116		276
810	An Introduction to Monolithic Disks as Stationary Phases for High Performance Biochromatography. 2000 , 23, 27-38		86
809	Monolithic Stationary Phases for Capillary Electrochromatography Based on Synthetic Polymers: Designs and Applications. 2000 , 23, 3-18		139
808	Preparation of Fritless Packed Silica Columns for Capillary Electrochromatography. 2000 , 23, 89-92		63
807	A New Monolithic-Type HPLC Column For Fast Separations. 2000 , 23, 93-99		278
806	A simple procedure for the preparation of fritless columns by entrapping conventional high performance liquid chromatography sorbents. <i>Electrophoresis</i> , 2000 , 21, 3093-101	3.6	36
805	A new easy-to-prepare homogeneous continuous electrochromatographic bed for enantiomer recognition. <i>Electrophoresis</i> , 2000 , 21, 3116-25	3.6	86
804	Enantiomer separation by capillary electrochromatography on a cyclodextrin-modified monolith. <i>Electrophoresis</i> , 2000 , 21, 3152-9	3.6	79
803	Recent progress in enantiomer separation by capillary electrochromatography. <i>Electrophoresis</i> , 2000 , 21, 4136-58	3.6	75

802	Effect of pore size on speed of chiral separations using packed capillary column SFC. 2000 , 12, 475-481		2
801	Perfusion chromatography: an emergent technique for the analysis of food proteins. 2000 , 880, 169-87		59
800	Stationary phases for capillary electrochromatography. 2000 , 887, 313-26		57
799	Design of the monolithic polymers used in capillary electrochromatography columns. 2000 , 887, 3-29		220
798	Advances in column technology and instrumentation in capillary electrochromatography. 2000 , 892, 257-78		67
797	Packing columns for capillary electrochromatography. 2000 , 887, 43-53		94
796	Electroosmosis- and pressure-driven chromatography in chips using continuous beds. <i>Analytical Chemistry</i> , 2000 , 72, 81-7	7.8	197
795	Performance of a monolithic silica column in a capillary under pressure-driven and electrodriven conditions. <i>Analytical Chemistry</i> , 2000 , 72, 1275-80	7.8	304
794	Fritless capillary columns for HPLC and CEC prepared by immobilizing the stationary phase in an organic polymer matrix. <i>Analytical Chemistry</i> , 2000 , 72, 3605-10	7.8	68
793	Sol-gel monolithic columns with reversed electroosmotic flow for capillary electrochromatography. <i>Analytical Chemistry</i> , 2000 , 72, 4090-9	7.8	202
792	High-performance liquid chromatography-electrospray ionization mass spectrometry of single- and double-stranded nucleic acids using monolithic capillary columns. <i>Analytical Chemistry</i> , 2000 , 72, 4386-93	7.8	265
791	Peak broadening in protein chromatography with monoliths at very fast separations. <i>Analytical Chemistry</i> , 2000 , 72, 4853-8	7.8	73
790	Quantitative analysis of pharmaceuticals in biological fluids using high-performance liquid chromatography coupled to mass spectrometry: a review. 2001 , 31, 599-617		45
789	High-performance liquid chromatography-electrospray ionization mass spectrometry using monolithic capillary columns for proteomic studies. <i>Analytical Chemistry</i> , 2001 , 73, 2390-6	7.8	194
788	Application of monoliths as supports for affinity chromatography and fast enzymatic conversion. 2001 , 49, 153-74		100
787	Affinity monoliths generated by in situ polymerization of the ligand. <i>Analytical Chemistry</i> , 2001 , 73, 5126-32		56
786	Bimodal Porous Silica Prepared from Water Glass by Inducing Phase Separation.. 2001 , 109, 577-579		13
785	Capillary Electrochromatography on Monolithic Silica Columns. 2001 , 62, 165-181		2

784	Silica and other materials as supports in liquid chromatography. Chromatographic tests and their importance for evaluating these supports. Part I. 2001 , 53, S113-S131		70
783	Chromatographic characterization of macroporous monolithic silica prepared via sol-gel process. 2001 , 187-188, 273-279		49
782	Direct analysis of pharmaceutical compounds in human plasma with chromatographic resolution using an alkyl-bonded silica rod column. 2001 , 15, 986-93		71
781	High-speed liquid chromatography/tandem mass spectrometry using a monolithic column for high-throughput bioanalysis. 2001 , 15, 1113-9		86
780	Preparation and characterization of monolithic polymer columns for capillary electrochromatography. 2001 , 923, 215-27		97
779	Capillary electrochromatography in anion-exchange and normal-phase mode using monolithic stationary phases. 2001 , 925, 265-77		104
778	New synthetic ways for the preparation of high-performance liquid chromatography supports. 2001 , 918, 233-66		135
777	Silica/Alumina Catalyst with Bimodal Pore Structure Prepared by Phase Separation in Sol-Gel Process. 2001 , 200, 197-202		59
776	Monoliths as stationary phases for separation of proteins and polynucleotides and enzymatic conversion. 2001 , 752, 191-205		179
775	Capillary Column Technology: Continuous Polymer Monoliths. 2001 , 183-240		7
774	Chromatographic reactors based on biological activity. 2002 , 76, 165-210		3
773	On-line trypsin-encapsulated enzyme reactor by the sol-gel method integrated into capillary electrophoresis. <i>Analytical Chemistry</i> , 2002 , 74, 2943-9	7.8	142
772	Mass transfer properties of monoliths. 2002 , 37, 1545-1565		78
771	A protein-encapsulation technique by the sol-gel method for the preparation of monolithic columns for capillary electrochromatography. <i>Analytical Chemistry</i> , 2002 , 74, 1915-21	7.8	156
770	Porous polymer monoliths: an alternative to classical beads. 2002 , 76, 87-125		23
769	Capillary electrochromatography: a rapidly emerging separation method. 2002 , 76, 1-47		10
768	Short monolithic columns as stationary phases for biochromatography. 2002 , 76, 49-85		35
767	Adsorption, Liquid Separation. 2002 ,		0

766	The Moment Equations of Chromatography for Monolithic Stationary Phases. 2002 , 106, 8898-8909		89
765	Characterization of silica-based monoliths with bimodal pore size distribution. <i>Analytical Chemistry</i> , 2002 , 74, 2470-7	7.8	144
764	Chapter 32 New polymeric extraction materials. 2002 , 37, 1023-1080		3
763	Recent advances in use of LC/MS/MS for quantitative high-throughput bioanalytical support of drug discovery. 2002 , 2, 53-66		111
762	Functionalized glycidyl methacrylate based polymers as stationary phases for protein retention. 2002 , 27, 1-10		11
761	Physically adsorbed chiral stationary phase of avidin on monolithic silica column for capillary electrochromatography and capillary liquid chromatography. <i>Electrophoresis</i> , 2002 , 23, 2973-81	3.6	86
760	Towards a microchip-based chromatographic platform. Part 1: Evaluation of sol-gel phases for capillary electrochromatography. <i>Electrophoresis</i> , 2002 , 23, 3487-95	3.6	43
759	Bonded-phase photopolymerized sol-gel monoliths for reversed phase capillary electrochromatography. 2002 , 25, 3-9		54
758	Starburst dendrimers as macromolecular pore-templates for stationary phases in capillary chromatography. 2002 , 25, 1252-1256		13
757	Recent progress in adsorbed stationary phases for capillary electrochromatography. <i>Electrophoresis</i> , 2002 , 23, 3954-72	3.6	48
756	The potential of serially coupled alkyl-bonded silica monolithic columns for high resolution separations of pharmaceutical compounds in biological fluids. 2002 , 55, 177-184		16
755	The analysis of basic pharmaceutical compounds by capillary electrochromatography using continuous bed stationary phase. 2002 , 55, 203-209		15
754	Characterization of plant oils on a monolithic silica column by high-performance liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry. 2002 , 56, S69-S73		17
753	Monolithic silica rod liquid chromatography with ultraviolet or fluorescence detection for metabolite analysis of cytochrome P450 marker reactions. 2002 , 780, 205-15		10
752	Capillary monoliths for the analysis of nucleic acids by high-performance liquid chromatography-electrospray ionization mass spectrometry. 2002 , 21, 166-174		87
751	Analysis of a basic drug by on-line solid-phase extraction liquid chromatography/tandem mass spectrometry using a mixed mode sorbent. 2002 , 16, 805-13		24
750	High-speed gradient parallel liquid chromatography/tandem mass spectrometry with fully automated sample preparation for bioanalysis: 30 seconds per sample from plasma. 2002 , 16, 1116-23		87
749	Studies on azaspiracid biotoxins. I. Ultrafast high-resolution liquid chromatography/mass spectrometry separations using monolithic columns. 2002 , 16, 2298-305		36

748	Effect of preparatory conditions on the performance of photopolymerized sol-gel monoliths for capillary electrochromatography. 2002 , 961, 45-51		50
747	Band dispersion in chromatography--a universal expression for the contribution from the mobile zone. 2002 , 960, 7-18		112
746	Comparison of the adsorption equilibrium of a few low-molecular mass compounds on a monolithic and a packed column in reversed-phase liquid chromatography. 2002 , 978, 81-107		105
745	Properties and applications of proteins encapsulated within sol-gel derived materials. 2002 , 461, 1-36		445
744	Repeatability and reproducibility of retention data and band profiles on six batches of monolithic columns. 2002 , 960, 19-49		168
743	Urea-formaldehyde resin monolith as a new packing material for affinity chromatography. 2002 , 943, 209-18		30
742	Methacrylate monolithic columns of 320 microm I.D. for capillary liquid chromatography. 2002 , 946, 99-106		94
741	Monolithic silica columns for high-efficiency chromatographic separations. 2002 , 965, 35-49		453
740	Monolithic stationary phases for liquid chromatography and capillary electrochromatography. 2002 , 954, 5-32		332
739	Monolithic silica columns with various skeleton sizes and through-pore sizes for capillary liquid chromatography. 2002 , 961, 53-63		260
738	Adsorption equilibria of butyl- and amylbenzene on monolithic silica-based columns. 2002 , 957, 111-26		47
737	Micropreparative fractionation of DNA fragments on metathesis-based monoliths: influence of stoichiometry on separation. 2002 , 959, 121-9		51
736	Abnormal phenomenon of the dependence of the retention factors for uncharged species on applied voltage in capillary electrochromatography. 2003 , 57, 777-781		4
735	Monolithic ODS-silica gel column for determination of hydrogen, sodium, ammonium and potassium in acid rain by ion chromatography. 2003 , 57, 19-22		28
734	Monolithic columns for liquid chromatography. 2003 , 376, 298-301		50
733	Monolithic silica columns with chemically bonded beta-cyclodextrin as a stationary phase for enantiomer separations of chiral pharmaceuticals. 2003 , 377, 892-901		64
732	Capillary electrochromatography with monolithic silica column: I. Preparation of silica monoliths having surface-bound octadecyl moieties and their chromatographic characterization and applications to the separation of neutral and charged species. <i>Electrophoresis</i> , 2003 , 24, 408-20	3.6	60
731	Advances in capillary electrochromatography and micro-high performance liquid chromatography monolithic columns for separation science. <i>Electrophoresis</i> , 2003 , 24, 917-44	3.6	203

730	Separation of selected humic degradation compounds by capillary electrochromatography with monolithic and packed columns. <i>Electrophoresis</i> , 2003 , 24, 958-69	3.6	27
729	Towards a microchip-based chromatographic platform. Part 2: sol-gel phases modified with polyelectrolyte multilayers for capillary electrochromatography. <i>Electrophoresis</i> , 2003 , 24, 1261-70	3.6	22
728	Characterization of polymer monolithic stationary phases for capillary HPLC. 2003 , 26, 1005-1016		89
727	Methacrylate monolithic columns for capillary liquid chromatography polymerized using ammonium peroxodisulfate as initiator. 2003 , 26, 1623-1628		43
726	Preparation and characterization of monolithic columns for capillary electrochromatography with weak electroosmotic flow. 2003 , 26, 331-336		28
725	Electrochromatography with a 2.7 mm inner diameter monolithic column. 2003 , 983, 255-62		12
724	Study of the mass transfer kinetics in a monolithic column. 2003 , 983, 51-71		84
723	Monolithic octadecylsilyl-silica gel column for the high-speed ion chromatographic determination of acidity. 2003 , 997, 183-90		23
722	Determination of glutamine and serine in rat cerebrospinal fluid using capillary electrochromatography with a modified photopolymerized sol-gel monolithic column. 2003 , 1004, 209-15		21
721	(Micellar) electrokinetic chromatography: an interesting solution for the liquid phase separation dilemma. 2003 , 1000, 935-51		19
720	Silica gel-based monoliths prepared by the sol-gel method: facts and figures. 2003 , 1000, 801-18		286
719	Reversed-phase porous silica rods, an alternative approach to high-performance liquid chromatographic separation using the sequential injection chromatography technique. 2003 , 1015, 239-44		50
718	Monolithic columns—new concept of separation in the sequential injection technique. 2003 , 499, 205-214		117
717	Coupling of monolithic columns with sequential injection technique: A new separation approach in flow methods. 2003 , 494, 133-140		46
716	Investigation of structure and enantioselectivity of BSA-encapsulated sol-gel columns prepared for capillary electrochromatography. 2003 , 31, 299-309		48
715	Silica-based monoliths for rapid peptide screening by capillary liquid chromatography hyphenated with electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. 2003 , 17, 1180-8		25
714	High-throughput cytochrome p450 inhibition assays by ultrafast gradient liquid chromatography with tandem mass spectrometry using monolithic columns. 2003 , 17, 509-18		50
713	Influence of the particle porosity on chromatographic band profiles. 2003 , 989, 207-19		30

712	Chromatographic performance of monolithic and particulate stationary phases. Hydrodynamics and adsorption capacity. 2003 , 1006, 207-28		152
711	Peptide mapping by reversed-phase high-performance liquid chromatography employing silica rod monoliths. 2003 , 1009, 15-28		32
710	A correlation for the pressure drop in monolithic silica columns. <i>Analytical Chemistry</i> , 2003 , 75, 843-50	7.8	78
709	Applications of monolithic silica capillary columns in proteomics. 2003 , 2, 633-42		42
708	Moment analysis of mass-transfer kinetics in C18-silica monolithic columns. <i>Analytical Chemistry</i> , 2003 , 75, 6975-86	7.8	54
707	Enantioselective hydrolysis of some 2-aryloxyalkanoic acid methyl esters and isosteric analogues using a penicillin G acylase-based HPLC monolithic silica column. <i>Analytical Chemistry</i> , 2003 , 75, 535-42	7.8	47
706	Monolithic Stationary Phases for the Separation of Small Molecules. 2003 , 67, 373-387		1
705	Separation of Peptides and Proteins. 2003 , 67, 389-415		
704	Historical Review. 2003 , 67, 1-15		13
703	Short Monolithic Columns □ Rigid Disks. 2003 , 67, 51-75		7
702	Versatile Double-Templating Synthesis Route to Silica Monoliths Exhibiting a Multimodal Hierarchical Porosity. 2003 , 15, 2354-2361		210
701	Monolithic Silica Columns for Capillary Liquid Chromatography. 2003 , 173-196		10
700	Fast HPLC with a silica-based monolithic ODS column. 2003 , 41, 209-14		21
699	Large Scale Separations. 2003 , 561-599		1
698	Chapter 14 On-line sample preparation: High throughput techniques and strategies for method development. 2003 , 505-573		1
697	Monolithic Continuous Beds Prepared from Water-Soluble Acrylamide-Based Monomers. 2003 , 67, 143-172		3
696	Nucleic Acid Analysis. 2003 , 67, 417-456		
695	Three Dimensional Structure and Liquid Transport Behavior of Siloxane Gels with Co-continuous Macropores. 2004 , 847, 454		

694	Phase Separation in Sol-Gel Process of Alkoxide-Derived Silica-Zirconia in the Presence of Polyethylene Oxide. 2004 , 84, 1968-1976		33
693	Evaluation of a monolithic epoxy silica support for penicillin G acylase immobilization. 2004 , 1031, 93-100		74
692	Potential of silica monolithic columns in peptide separations. 2004 , 1030, 187-94		38
691	Characterization of some physical and chromatographic properties of monolithic poly(styrene-co-divinylbenzene) columns. 2004 , 1030, 201-8		102
690	Separation of acidic and basic compounds in capillary electrochromatography with polymethacrylate-based monolithic columns. 2004 , 1035, 265-70		29
689	Monolithic silica columns with chemically bonded tert-butylcarbamoylquinine chiral anion-exchanger selector as a stationary phase for enantiomer separations. 2004 , 1036, 135-43		54
688	Comparison of a three-peptide separation by capillary electrochromatography, voltage-assisted liquid chromatography and nano-high-performance liquid chromatography. 2004 , 1044, 201-10		25
687	Development of a bioreactor based on trypsin immobilized on monolithic support for the on-line digestion and identification of proteins. 2004 , 1045, 99-109		103
686	Penicillin G acylase-based stationary phases: analytical applications. 2004 , 35, 243-58		40
685	Nonlinear electroosmosis in hierarchical monolithic structures. <i>Electrophoresis</i> , 2004 , 25, 2935-45	3.6	19
684	Sequential injection chromatographic determination of paracetamol, caffeine, and acetylsalicylic acid in pharmaceutical tablets. 2004 , 27, 529-36		68
683	Rapid and high-resolution analysis of geometric polyprenol homologues by connected octadecylsilylated monolithic silica columns in high-performance liquid chromatography. 2004 , 27, 293-6		21
682	Preparation and HPLC applications of rigid macroporous organic polymer monoliths. 2004 , 27, 747-66		214
681	Characterization of monolithic columns for HPLC. 2004 , 27, 853-73		103
680	Comparison of monolithic silica and polymethacrylate capillary columns for LC. 2004 , 27, 789-800		53
679	A computational study of the porosity effects in silica monolithic columns. 2004 , 27, 887-96		31
678	Monoliths for fast bioseparation and bioconversion and their applications in biotechnology. 2004 , 27, 767-78		154
677	Organic polymer monoliths as stationary phases for capillary HPLC. 2004 , 27, 1419-30		170

676	Applications of silica-based monolithic HPLC columns. 2004 , 27, 843-52		369
675	Simple 2D-HPLC using a monolithic silica column for peptide separation. 2004 , 27, 897-904		71
674	Capillary columns in liquid chromatography: between conventional columns and microchips. 2004 , 27, 1379-90		86
673	How to utilize the true performance of monolithic silica columns. 2004 , 27, 1292-302		61
672	Peralkylated-beta-cyclodextrin used as gas chromatographic stationary phase prepared by sol-gel technology for capillary column. 2004 , 1059, 111-9		12
671	Generic approach to high throughput ADME screening for lead candidate optimization. 2004 , 238, 107-117		12
670	Assay for the simultaneous determination of acetaminophen-caffeine-butalbital in human serum using a monolithic column. 2004 , 36, 737-41		27
669	Dodecylsulfate-coated monolithic octadecyl-bonded silica stationary phase for high-speed separation of hydrogen, magnesium and calcium in rainwater. 2004 , 1026, 191-4		29
668	Sol-gel stationary phases for capillary electrochromatography. 2004 , 1044, 23-52		103
667	High-performance liquid chromatographic enantioseparations on monolithic silica columns containing a covalently attached 3,5-dimethylphenylcarbamate derivative of cellulose. 2004 , 1042, 55-60		97
666	Capillary high-performance liquid chromatography-electrospray ionization mass spectrometry using monolithic columns and carbon fiber electrospray ionization emitters. 2004 , 1047, 49-57		26
665	High-throughput chromatographic approaches to liquid chromatographic/tandem mass spectrometric bioanalysis to support drug discovery and development. 2004 , 509, 1-9		35
664	Protein-doped monolithic silica columns for capillary liquid chromatography prepared by the sol-gel method: applications to frontal affinity chromatography. <i>Analytical Chemistry</i> , 2004 , 76, 2780-90	7.8	87
663	Influence of the pillar shape on the band broadening and the separation impedance of perfectly ordered 2-D porous chromatographic media. <i>Analytical Chemistry</i> , 2004 , 76, 3716-26	7.8	58
662	Chapter 16 Chromatography of proteins. 2004 , 69, 669-737		4
661	General rules for the optimal external porosity of LC supports. <i>Analytical Chemistry</i> , 2004 , 76, 6707-18	7.8	57
660	Two-dimensional separation method for analysis of <i>Bacillus subtilis</i> metabolites via hyphenation of micro-liquid chromatography and capillary electrophoresis. <i>Analytical Chemistry</i> , 2004 , 76, 1419-28	7.8	43
659	Preparation and application of methacrylate-based cation-exchange monolithic columns for capillary ion chromatography. <i>Analytical Chemistry</i> , 2004 , 76, 7007-12	7.8	115

658	Simple and comprehensive two-dimensional reversed-phase HPLC using monolithic silica columns. <i>Analytical Chemistry</i> , 2004 , 76, 1273-81	7.8	132
657	Continuous beds (monoliths): stationary phases for liquid chromatography formed using the hydrophobic interaction-based phase separation mechanism. 2004 , 59, 1-48		38
656	Phase separation in the solution of water glass and poly(vinyl alcohol). 2004 , 333, 284-290		15
655	Toward optimization of macroporous silica gels for application to capillary or microchip-based CEC and LC. 2004 , 350, 391-396		4
654	RP-Chromatographie an modifizierten Kieselgelen. 2004 , 52, 1215-1216		
653	Rapid separation on monolithic silica-based capillary columns in LC. 2004 , 53, 937-941		3
652	Humidity Control Ability of Silica with Bimodal Pore Structures Prepared from Water Glass. 2004 , 112, 491-495		34
651	Advances in High Throughput Quantitative Drug Discovery Bioanalysis. 2005 , 315-358		3
650	Thermal Properties of Monolithic Silica and Silica-Zirconia with Bimodal Pore Structures. 2005 , 113, 92-96		6
649	Rapid Reversed-phase Separation Using Methacrylate-based C18 Monolithic Capillary Columns at High Flow Rates and Elevated Temperatures. 2005 , 34, 1198-1199		2
648	Control of pore formation in macroporous polymers synthesized by single-step γ -radiation-initiated polymerization and cross-linking. 2005 , 46, 2862-2871		74
647	Chromatographic media for bioseparation. 2005 , 1065, 3-12		201
646	Influence of the packing heterogeneity on the performance of liquid chromatography supports. 2005 , 1073, 53-61		25
645	Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography. 2005 , 1071, 171-8		32
644	Preparation and evaluation of poly(polyethylene glycol methyl ether acrylate-co-polyethylene glycol diacrylate) monolith for protein analysis. 2005 , 1079, 382-91		46
643	Solvent enhanced ion chromatography of alkaline earth and transition metal ions on porous monolithic silica. 2005 , 553, 27-35		21
642	Silica monolithic membrane as separation medium. Summable property of different membranes for high-performance liquid chromatographic separation. 2005 , 1073, 123-6		9
641	Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (in-tube SPME). 2005 , 1062, 1-14		85

640	Metal tubing/frit with a sintered frit of silica particles and a chromatography column with such tubing/frits. 2005 , 1066, 231-7		11
639	Metal oxide monolithic columns. 2005 , 1079, 392-6		41
638	Homogeneous gels for capillary electrochromatography. 2005 , 1079, 50-8		14
637	A first principles explanation for the experimentally observed increase in A-term band broadening in small domain silica monoliths and other chromatographic supports. 2005 , 1077, 28-36		18
636	Comprehensive pore structure characterization of silica monoliths with controlled mesopore size and macropore size by nitrogen sorption, mercury porosimetry, transmission electron microscopy and inverse size exclusion chromatography. 2005 , 1083, 14-22		67
635	Effects of high pressure in liquid chromatography. 2005 , 1090, 16-38		159
634	Rapid and efficient chiral separation of nateglinide and its L-enantiomer on monolithic molecularly imprinted polymers. 2005 , 1090, 68-75		90
633	Evaluation of ring-opening metathesis polymerization (ROMP)-derived monolithic capillary high performance liquid chromatography columns. 2005 , 1090, 81-9		36
632	Amino-Functionalized Monolithic Poly(glycidyl methacrylate-co-divinylbenzene) Ion-Exchange Stationary Phases for the Separation of Oligonucleotides. 2005 , 62, s31-s36		42
631	Bending strength of silica gel with bimodal pores: Effect of variation in mesopore structure. 2005 , 40, 1148-1156		20
630	Electrochromatographic evaluation of a silica monolith capillary column for separation of basic pharmaceuticals. <i>Electrophoresis</i> , 2005 , 26, 790-7	3.6	47
629	Capillary electrochromatography with a neutral monolithic column for classification of analytes and determination of basic drugs in human serum. <i>Electrophoresis</i> , 2005 , 26, 3452-9	3.6	36
628	Two-dimensional separation system of coupling capillary liquid chromatography to capillary electrophoresis for analysis of Escherichia coli metabolites. <i>Electrophoresis</i> , 2005 , 26, 3468-78	3.6	24
627	Analysis of flavonoids in leaves of Adinandra nitida by capillary electrochromatography on monolithic columns with stepwise gradient elution. 2005 , 28, 774-9		24
626	Preparation of monolithic silica column with strong cation-exchange stationary phase for capillary electrochromatography. 2005 , 28, 751-6		48
625	Silica monolithic columns: synthesis, characterisation and applications to the analysis of biological molecules. 2005 , 28, 1628-41		81
624	Comparing monolithic and microparticulate capillary columns for the separation and analysis of peptide mixtures by liquid chromatography-mass spectrometry. 2005 , 28, 1666-74		37
623	Silica sol-gel monolithic materials and their use in a variety of applications. 2005 , 28, 1893-1908		93

622	Convective interaction media short monolithic columns: enabling chromatographic supports for the separation and purification of large biomolecules. 2005 , 28, 1876-92		62
621	Poly(Styrene-Divinylbenzene) Based Media for Liquid Chromatography. 2005 , 28, 1457-1472		39
620	Insight on Structural Change in Sol-Gel-Derived Silica Gel with Aging under Basic Conditions for Mesopore Control. <i>Journal of Sol-Gel Science and Technology</i> , 2005 , 33, 159-167	2.3	17
619	. 2005 ,		16
618	Practical Applications of Monolithic Columns to Pharmaceutical Process Development. 2005 , 28, 341-356		11
617	Application of Monolithic Columns in High Performance Liquid Chromatography. 2005 , 28, 1055-1074		33
616	Metabolomics. 2005 ,		11
615	Convective Interaction Media (CIM)--short layer monolithic chromatographic stationary phases. 2005 , 11, 281-333		52
614	High-Performance Liquid Chromatography for Metabolomics: High-Efficiency Separations Utilizing Monolithic Silica Columns. 2005 , 107-126		1
613	Experimental validation of the tetrahedral skeleton model pressure drop correlation for silica monoliths and the influence of column heterogeneity. <i>Analytical Chemistry</i> , 2005 , 77, 3986-92	7.8	30
612	A New Preparation Method for Well-Controlled 3D Skeletal Epoxy Resin-Based Polymer Monoliths. 2005 , 38, 9901-9903		95
611	Monolithic bioreactor immobilizing trypsin for high-throughput analysis. <i>Analytical Chemistry</i> , 2005 , 77, 1813-8	7.8	81
610	Capillary-scale monolithic immunoaffinity columns for immunoextraction with in-line laser-induced fluorescence detection. <i>Analytical Chemistry</i> , 2005 , 77, 4404-12	7.8	40
609	Silica gel with continuous macropores prepared from water glass in the presence of poly(acrylic acid). 2005 , 351, 331-339		17
608	Exciting new directions in the intersection of functionalized sol-gel materials with electrochemistry. 2005 , 15, 3663		250
607	Chapter 3 Peptide and protein separations by capillary electrophoresis and electrochromatography. 2005 , 46, 149-252		3
606	Latex-coated polymeric monolithic ion-exchange stationary phases. 1. Anion-exchange capillary electrochromatography and in-line sample preconcentration in capillary electrophoresis. <i>Analytical Chemistry</i> , 2005 , 77, 407-16	7.8	113
605	Ordered Macroporous Silica by Ice Templating. 2005 , 17, 683-689		200

604	In Vitro Detection and Quantification of Testosterone Metabolites in Aquatic Organisms. 2005 , 38, 629-640		1
603	Preparation of 20-microm-i.d. silica-based monolithic columns and their performance for proteomics analyses. <i>Analytical Chemistry</i> , 2005 , 77, 5028-35	7.8	132
602	Monolithic capillary-based ion-selective electrodes. <i>Analytical Chemistry</i> , 2005 , 77, 3966-70	7.8	42
601	Efficient polymer monolith for strong cation-exchange capillary liquid chromatography of peptides. <i>Analytical Chemistry</i> , 2006 , 78, 3509-18	7.8	78
600	Synthesis and characterization of SiC materials with hierarchical porosity obtained by replication techniques. 2006 , 8, 3561-6		46
599	Drug Screening Using Microextraction in a Packed Syringe (MEPS)/Mass Spectrometry Utilizing Monolithic-, Polymer-, and Silica-Based Sorbents. 2006 , 29, 829-839		54
598	Preparation of monolithic SiO ₂ /Al ₂ O ₃ cryogels with inter-connected macropores through ice templating. 2006 , 16, 3231-3236		53
597	Catalytic cracking of large molecules over hierarchical zeolites. 2006 , 1769-71		57
596	Plant Metabolomics. 2006 ,		29
595	Reversed-Phase Liquid Chromatography with Electrokinetic Flow Analysis System. 2006 , 34, 743-753		4
594	Monolithic materials: Promises, challenges, achievements. <i>Analytical Chemistry</i> , 2006 , 78, 2101-7	7.8	327
593	Fast and Efficient Separations Using Reversed Phase Liquid Chromatography. 2006 , 29, 949-988		22
592	Performance of monolithic silica capillary columns with increased phase ratios and small-sized domains. <i>Analytical Chemistry</i> , 2006 , 78, 7632-42	7.8	142
591	Epoxy-Based Monoliths. A Novel Hydrophilic Separation Material for Liquid Chromatography of Biomolecules. 2006 , 18, 6308-6315		53
590	Macroporous Monolithic Methylsilsesquioxanes Prepared by a Two-Step Acid/Acid Processing Method. 2006 , 18, 4176-4182		41
589	GC/MS Study of the formation of alkoxysilanes from a sol-gel precursor in a hydrophobic solution: A potential new route to hybrid molecular imprinted polymers. 2006 , 352, 3302-3309		14
588	Properties of monolithic silica columns for HPLC. 2006 , 22, 491-501		74
587	Sol-Gel Process of Oxides Accompanied by Phase Separation. 2006 , 79, 673-691		60

586	Novel Method for DNA Isolation Using High-throughput Monolithic Silica Gel Column in Combination with Anti-chaotropic Effect. 2006 , 35, 1354-1355	1
585	Increased productivity in quantitative bioanalysis using a monolithic column coupled with high-flow direct-injection liquid chromatography/tandem mass spectrometry. 2006 , 20, 1709-14	22
584	Two-dimensional HPLC on-line analysis of phosphopeptides using titania and monolithic columns. 2006 , 350, 292-7	46
583	Experimental and modeling study of adsorption in preparative monolithic silica column. 2006 , 45, 150-160	26
582	Preparation of low flow-resistant methacrylate-based monolithic stationary phases of different hydrophobicity and the application to rapid reversed-phase liquid chromatographic separation of alkylbenzenes at high flow rate and elevated temperature. 2006 , 1106, 106-11	72
581	Preparation and characterisation of anion-exchange latex-coated silica monoliths for capillary electrochromatography. 2006 , 1109, 10-8	70
580	Electrohydrodynamics in hierarchically structured monolithic and particulate fixed beds. 2006 , 1109, 32-50	46
579	Fast, high-efficiency peptide separations on a 50-microm reversed-phase silica monolith in a nanoLC-MS set-up. 2006 , 1120, 165-72	28
578	Application of monolithic (continuous bed) chromatographic columns in phytochemical analysis. 2006 , 1112, 319-30	30
577	Monolithic poly(p-methylstyrene-co-1,2-bis(p-vinylphenyl)ethane) capillary columns as novel styrene stationary phases for biopolymer separation. 2006 , 1117, 56-66	53
576	Mutual consistency between simulated and measured pressure drops in silica monoliths based on geometrical parameters obtained by three-dimensional laser scanning confocal microscope observations. 2006 , 1119, 95-104	21
575	Improved endcapping method of monolithic silica columns. 2006 , 1130, 175-81	28
574	New stationary phases for high-performance liquid chromatography based on poly(methyltetradecylsiloxane) thermally immobilized onto zirconized silica. 2006 , 1122, 114-22	17
573	About the C term in the van Deemter's equation of plate height in monoliths. 2006 , 1126, 86-94	88
572	Future of high pressure liquid chromatography: do we need porosity or do we need pressure?. 2006 , 1130, 158-66	49
571	Reversed-phase liquid chromatography on a microchip with sample injector and monolithic silica column. 2006 , 1132, 90-8	40
570	The limits of the separation power of unidimensional column liquid chromatography. 2006 , 1126, 6-49	147
569	Faster axial band dispersion in a monolithic silica column than in a particle-packed column. 2006 , 1109, 2-9	49

568	Less common applications of monoliths: preconcentration and solid-phase extraction. 2006 , 841, 52-64		184
567	Monolithic organic polymeric columns for capillary liquid chromatography and electrochromatography. 2006 , 841, 79-87		65
566	A study of the efficiency of monolithic silica gel capillary columns for gas chromatography. 2006 , 80, 609-614		7
565	Surfactant-Assisted Ethane-Bridged Silica Coating for Capillary Electrochromatography. 2006 , 65, 95-99		
564	High Performance Liquid Chromatographic Analysis of Pharmaceuticals Using Oil-In-Water Microemulsion Eluent and Monolithic Column. 2006 , 63, 309-314		34
563	Porous microfibers and microhoneycombs synthesized by ice templating. 2006 , 10, 161-171		23
562	Preparation and characterization of CuO/SiO ₂ and NiO/SiO ₂ with bimodal pore structure by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 39, 151-157	2.3	11
561	Simultaneous analysis of cationic, anionic, and neutral compounds using monolithic CEC columns. 2006 , 386, 572-7		11
560	Preparation and characterization of methacrylate-based semi-micro monoliths for high-throughput bioanalysis. 2006 , 386, 566-71		41
559	Application of a monolithic silica capillary adsorbent for the preconcentration of airborne trichloroethylene and tetrachloroethylene. 2006 , 385, 1149-52		4
558	Characteristics and recognition mechanism of monolithic poly(methacrylic acid-ethylene glycol dimethacrylate) column. 2006 , 23, 625-630		2
557	Comprehensive multi-dimensional liquid chromatographic separation in biomedical and pharmaceutical analysis: a review. 2006 , 20, 508-29		79
556	Micellar electrokinetic chromatography and capillary electrochromatography of nitroaromatic explosives in seawater. <i>Electrophoresis</i> , 2006 , 27, 778-86	3.6	30
555	Less common applications of monoliths: I. Microscale protein mapping with proteolytic enzymes immobilized on monolithic supports. <i>Electrophoresis</i> , 2006 , 27, 947-61	3.6	132
554	Monolithic media in microfluidic devices for proteomics. <i>Electrophoresis</i> , 2006 , 27, 3547-58	3.6	43
553	Hybrid silica monolithic column for capillary electrochromatography with enhanced cathodic electroosmotic flow. <i>Electrophoresis</i> , 2006 , 27, 4266-72	3.6	30
552	Preparation of a monolithic column for weak cation exchange chromatography and its application in the separation of biopolymers. 2006 , 29, 5-13		26
551	Silica-based monolithic columns with mixed-mode reversed-phase/weak anion-exchange selectivity principle for high-performance liquid chromatography. 2006 , 29, 966-78		51

550	Spherical ordered mesoporous silicas and silica monoliths as stationary phases for liquid chromatography. 2006 , 29, 844-55	88
549	Enantiomer separation on monolithic silica HPLC columns using chemically bonded methylated and methylated/acetylated 6-O-tert-butyldimethylsilylated beta-cyclodextrin. 2006 , 29, 1561-70	17
548	Preparation of particle-fixed silica monoliths used in capillary electrochromatography. 2006 , 29, 2098-102	9
547	Monolithic poly(glycidyl methacrylate-co-divinylbenzene) capillary columns functionalized to strong anion exchangers for nucleotide and oligonucleotide separation. 2006 , 29, 2478-84	52
546	Affinity monolith chromatography. 2006 , 29, 1686-704	179
545	Monolithic stationary phases for fast ion chromatography and capillary electrochromatography of inorganic ions. 2006 , 29, 1705-19	51
544	A discussion of the possible ways to improve the performance of silica monoliths using a kinetic plot analysis of experimental and computational plate height data. 2006 , 29, 1675-85	30
543	Fast analysis in liquid chromatography using small particle size and high pressure. 2006 , 29, 1836-48	262
542	Short communication performance of octadecylsilylated monolithic silica capillary columns of 530 microm inner diameter in HPLC. 2006 , 29, 2471-7	43
541	Stationary Phases. 2006 , 75-138	2
540	Enhanced sequence coverage in tryptic fragment analysis by two-dimensional HPLC/MS using a monolithic silica capillary column. 2006 , 70, 2154-9	12
539	Octadecylated silica monolith capillary column with integrated nanoelectrospray ionization emitter for highly efficient proteome analysis. 2006 , 5, 454-61	75
538	High-Performance Liquid Chromatography of Biological Macromolecules. 2006 ,	
537	Application of Fast Reversed Phase Liquid Chromatography for Analysis of Pharmaceutical Related Boronic Acid and Boronic Pinacol Ester Functionalized Compounds. 2006 , 29, 661-672	10
536	A new fast method for nanoLC-MALDI-TOF/TOF-MS analysis using monolithic columns for peptide preconcentration and separation in proteomic studies. 2007 , 6, 636-43	23
535	CHROMATOGRAPHY: LIQUID Monolithic Columns. 2007 , 1-7	
534	On-line 1D and 2D porous layer open tubular/LC-ESI-MS using 10-microm-i.d. poly(styrene-divinylbenzene) columns for ultrasensitive proteomic analysis. <i>Analytical Chemistry</i> , 2007 , 79, 6174-81	7.8 107
533	Development of Capillary Columns with High Resolution and Selectivity Based on Silica Materials. 2007 , 56, 607-616	0

532	[Development of high efficiency separation method for biomolecules]. 2007 , 127, 2015-25		0
531	Functional Porous Materials via Sol-Gel with Phase Separation. 2007 , 115, 169-175		9
530	Chromatography-Based Separation of Proteins, Peptides, and Amino Acids. 585-610		1
529	Liquid Chromatography of Synthetic Polymers under Limiting Conditions of Insolubility III. 2007 , 258, 198-215		8
528	Size-Exclusion Effect and Protein Repellency of Concentrated Polymer Brushes Prepared by Surface-Initiated Living Radical Polymerization. 2007 , 248, 189-198		21
527	Synthesis of Monolithic Al ₂ O ₃ with Well-Defined Macropores and Mesostructured Skeletons via the Sol-Gel Process Accompanied by Phase Separation. 2007 , 19, 3393-3398		176
526	Hydrophilic interaction chromatography using methacrylate-based monolithic capillary column for the separation of polar analytes. <i>Analytical Chemistry</i> , 2007 , 79, 1243-50	7.8	170
525	Ultratrace LC/MS proteomic analysis using 10-microm-i.d. Porous layer open tubular poly(styrene-divinylbenzene) capillary columns. <i>Analytical Chemistry</i> , 2007 , 79, 938-46	7.8	136
524	Generation of Hierarchical Meso- and Macroporous Carbon from Mesophase Pitch by Spinodal Decomposition using Polymer Templates. 2007 , 19, 4012-4017		142
523	Separation of basic and acidic compounds by capillary electrochromatography using monolithic silica capillary columns with zwitterionic stationary phase. 2007 , 30, 891-9		23
522	Preparation and application of monolithic beds in the separation of selected natural biologically important compounds. 2007 , 30, 55-66		24
521	Rapid analysis of triazolopyrimidine sulfoanilide herbicides in waters and soils by high-performance liquid chromatography with UV detection using a C18 monolithic column. 2007 , 30, 8-14		24
520	Controlling the surface chemistry and chromatographic properties of methacrylate-ester-based monolithic capillary columns via photografting. 2007 , 30, 407-13		76
519	Fabrication of a poly(styrene-octadecene-divinylbenzene) monolithic column and its comparison with a poly(styrene-divinylbenzene) monolithic column for the separation of proteins. 2007 , 30, 1005-12		20
518	Recent development of monolithic materials as matrices in microcolumn separation systems. 2007 , 30, 792-803		55
517	Developments in ion chromatography using monolithic columns. 2007 , 30, 1628-45		49
516	Optimization of the porous structure and polarity of polymethacrylate-based monolithic capillary columns for the LC-MS separation of enzymatic digests. 2007 , 30, 2814-20		67
515	Alkylated poly(styrene-divinylbenzene) monolithic columns for mu-HPLC and CEC separation of phenolic acids. 2007 , 30, 3018-26		37

514	Real space observation of silica monoliths in the formation process. 2007 , 30, 2881-7	13
513	Monolith-based immobilized enzyme reactors: recent developments and applications for proteome analysis. 2007 , 30, 3050-9	81
512	Separation behavior of electron-beam curing derived, acrylate-based monoliths. 2007 , 30, 2821-7	19
511	CEC separation of aromatic compounds and proteins on hexylamine-functionalized N-acryloxysuccinimide monoliths. 2007 , 30, 3000-10	27
510	Three-dimensional observation of macroporous silica gels and the study on structural formation mechanism. 2007 , 300, 245-252	11
509	Impact of pore structural parameters on column performance and resolution of reversed-phase monolithic silica columns for peptides and proteins. 2007 , 1144, 72-84	21
508	Pore structural characterization of monolithic silica columns by inverse size-exclusion chromatography. 2007 , 1144, 14-29	36
507	Recent developments in liquid chromatography—impact on qualitative and quantitative performance. 2007 , 1149, 20-9	132
506	Monolithic silica columns of various format in automated sample clean-up/multidimensional liquid chromatography/mass spectrometry for peptidomics. 2007 , 1144, 97-101	27
505	Use of monolithic supports in proteomics technology. 2007 , 1144, 2-13	82
504	Preparation of high efficiency and highly retentive monolithic silica capillary columns for reversed-phase chromatography by chemical modification by polymerization of octadecyl methacrylate. 2007 , 1156, 35-44	68
503	Ground, sieved, and C18 modified monolithic silica particles for packing material of microcolumn high-performance liquid chromatography. 2007 , 1144, 269-74	21
502	Comparison between monolithic conventional size, microbore and capillary poly(p-methylstyrene-co-1,2-bis(p-vinylphenyl)ethane) high-performance liquid chromatography columns Synthesis, application, long-term stability and reproducibility. 2007 , 1146, 216-24	37
501	Preparation and characterization of polyethyleneimine modified ion-exchanger based on poly(methacrylate-co-ethylene dimethacrylate) monolith. 2007 , 1147, 24-9	44
500	In situ functionalization of N-acryloxysuccinimide-based monolith for reversed-phase electrochromatography. 2007 , 1149, 368-76	41
499	Pressurized capillary electrochromatographic analysis of water-soluble vitamins by combining with on-line concentration technique. 2007 , 1154, 416-22	18
498	Monolithic columns in high-performance liquid chromatography. 2007 , 1168, 101-68; discussion 100	716
497	Study of a monolithic silica capillary column coated with poly(octadecyl methacrylate) for the reversed-phase liquid chromatographic separation of some polar and non-polar compounds. 2007 , 1175, 7-15	40

496	Efficiency of methacrylate monolithic columns in reversed-phase liquid chromatographic separations. 2007 , 1175, 81-8	82
495	High-performance liquid chromatography with contactless conductivity detection for the determination of peptides and proteins using a monolithic capillary column. 2007 , 1176, 185-91	27
494	Development and validation of a high-throughput high-performance liquid chromatographic assay for the determination of caffeine in food samples using a monolithic column. 2007 , 581, 89-94	52
493	Rapid determination of Papaver somniferum alkaloids in process streams using monolithic column high-performance liquid chromatography with chemiluminescence detection. 2007 , 597, 19-23	41
492	Structural control of mesoporous aluminosilicate nanoparticles in a binary surfactant system assisted by hydrolysis and ordered assembly. 2007 , 102, 212-222	17
491	The suitability of DEAE-Cl active groups on customized poly(GMA-co-EDMA) continuous stationary phase for fast enzyme-free isolation of plasmid DNA. 2007 , 853, 38-46	23
490	Surface interaction of well-defined, concentrated poly(2-hydroxyethyl methacrylate) brushes with proteins. 2007 , 45, 4795-4803	54
489	Fe ³⁺ immobilized metal affinity chromatography with silica monolithic capillary column for phosphoproteome analysis. 2007 , 7, 351-60	72
488	Preparation and characterization of long alkyl chain methacrylate-based monolithic column for capillary chromatography. 2007 , 70, 39-45	44
487	Dispersion effects in preparative polymethacrylate monoliths operated in radial-flow columns. 2007 , 70, 87-94	23
486	Experimental characterization and modelling of analytical monolithic column. 2007 , 70, 95-105	16
485	Preface Journal of Biochemical and Biophysical Methods - Volume 70, Issue 1. 2007 , 70, 1	
484	Bending strength of silica gel with bimodal pores. 2007 , 42, 523-531	5
483	Fast separation of light hydrocarbons by gas chromatography on monolithic capillary columns based on silica gel. 2007 , 62, 313-318	12
482	Strength and elasticity of bimodal porous silica prepared from water glass. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 43, 275-282	2.3 5
481	Preparation and characterization of Cu/SiO ₂ catalyst by co-gelation process. 2007 , 42, 8320-8325	4
480	Alkoxy-derived multiscale porous TiO ₂ gels probed by ultra-small-angle X-ray scattering and small-angle X-ray scattering. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 46, 63-69	2.3 4
479	Zeolite beta monoliths with hierarchical porosity by the transformation of bimodal pore silica gel. 2008 , 15, 643-646	25

- 478 A novel way for preparing high surface area silica monolith with bimodal pore structure. **2008**, 43, 887-891 27
- 477 Preparation of 3-dimensional skeletal polymer via control of reaction-induced phase separation in epoxy/poly(ethylene glycol) blends. **2008**, 61, 671-677 11
- 476 Poly(glycerin 1,3-dimethacrylate)-based monolith with a bicontinuous structure tailored as HPLC column by photoinitiated in situ radical polymerization via viscoelastic phase separation. **2008**, 46, 4651-4673 23
- 475 On-line concentration and pressurized capillary electrochromatographic analysis of phytohormones in corn. **2008**, 31, 859-64 16
- 474 Single-step approach to beta-cyclodextrin-bonded silica as monolithic stationary phases for CEC. **2008**, 31, 1819-27 30
- 473 Mixed-mode reversed-phase and ion-exchange monolithic columns for micro-HPLC. **2008**, 31, 2774-83 20
- 472 Methacrylate-based short monolithic columns: enabling tools for rapid and efficient analyses of biomolecules and nanoparticles. **2008**, 31, 1867-80 46
- 471 Structure and performance of silica-based monolithic HPLC columns. **2008**, 31, 2551-9 44
- 470 Pressure-assisted capillary electrochromatography with electrospray ionization-mass spectrometry based on silica-based monolithic column for rapid analysis of narcotics. *Electrophoresis*, **2008**, 29, 936-43^{3.6} 20
- 469 Highly efficient peptide separations in proteomics Part 1. Unidimensional high performance liquid chromatography. **2008**, 866, 48-63 83
- 468 One-step rapid determination and purification of puerarin from *Radix puerariae* by n-octylamine-modified poly(methacrylate-co-ethylene dimethacrylate) monolith. **2008**, 871, 1-6 13
- 467 Novel bimodal porous N-(2-aminoethyl)-3-aminopropyltrimethoxysilane-silica monolithic capillary microextraction and its application to the fractionation of aluminum in rainwater and fruit juice by electrothermal vaporization inductively coupled plasma mass spectrometry. **2008**, 63, 9-18 44
- 466 Performance of simulated moving bed with conventional and monolith columns. **2008**, 63, 324-333 12
- 465 Silica aerogel; synthesis, properties and characterization. **2008**, 199, 10-26 866
- 464 Preparation of porous titanium phosphate glass-ceramics for NH₃ gas adsorption with self-cleaning ability. **2008**, 28, 267-270 21
- 463 Less common applications of monoliths. III. Gas chromatography. **2008**, 1184, 281-95 84
- 462 Recent development of monolithic stationary phases with emphasis on microscale chromatographic separation. **2008**, 1184, 369-92 242
- 461 Characterization and applications of reversed-phase column selectivity based on the hydrophobic-subtraction model. **2008**, 1191, 2-20 63

460	Particle packed columns and monolithic columns in high-performance liquid chromatography-comparison and critical appraisal. 2008 , 1184, 393-415	279
459	Separation efficiencies in hydrophilic interaction chromatography. 2008 , 1184, 474-503	366
458	Preparation of monolithic silica columns for high-performance liquid chromatography. 2008 , 1191, 231-52	209
457	p-tert-Butylcalix[8]arene-bonded silica monoliths for liquid chromatography. 2008 , 1188, 199-207	15
456	Chromatographic characterisation of monolithic capillary columns for liquid chromatography based on methyltrimethoxysilane as sole precursor. 2008 , 1191, 282-91	15
455	Textural characterization of native and n-alkyl-bonded silica monoliths by mercury intrusion/extrusion, inverse size exclusion chromatography and nitrogen adsorption. 2008 , 1191, 57-66	40
454	Structural radial heterogeneity of a silica-based wide-bore monolithic column. 2008 , 1193, 97-103	50
453	Capillary electrochromatographic separation of racemates on a norvancomycin-bonded monolithic column under reversed-phase conditions. 2008 , 1208, 232-8	16
452	In-line system containing porous polymer monoliths for protein digestion with immobilized pepsin, peptide preconcentration and nano-liquid chromatography separation coupled to electrospray ionization mass spectroscopy. 2008 , 1188, 88-96	57
451	Selected Contemporary Topics in Sol-Gel Electro-Chemistry. 2008 , 155-186	
450	Multiscale Templating of Siloxane Gels via Polymerization-Induced Phase Separation. 2008 , 20, 1108-1115	67
449	Crystalline ZrO ₂ Monoliths with Well-Defined Macropores and Mesostructured Skeletons Prepared by Combining the Alkoxy-Derived Sol-Gel Process Accompanied by Phase Separation and the Solvothermal Process. 2008 , 20, 2165-2173	99
448	17 Capillary electrochromatography of pharmaceuticals. 2008 , 9, 439-476	
447	Individualized silica nanohelices and nanotubes: tuning inorganic nanostructures using lipidic self-assemblies. 2008 , 8, 1929-35	100
446	Determination methods for biologically active compounds by ultra-performance liquid chromatography coupled with mass spectrometry: application to the analyses of pharmaceuticals, foods, plants, environments, metabolomics, and metabolomics. 2008 , 46, 233-47	44
445	Toward efficient nanoporous catalysts: controlling site-isolation and concentration of grafted catalytic sites on nanoporous materials with solvents and colorimetric elucidation of their site-isolation. 2008 , 130, 218-28	125
444	Hard Templates for Soft Materials: Creating Nanostructured Organic Materials \square 2008 , 20, 738-755	342
443	Development of phosphopeptide enrichment techniques for phosphoproteome analysis. 2008 , 133, 1128-38	112

442	Turbulence as a source of excessive baseline noise during high-speed isocratic and gradient separations using absorption detection. <i>Analytical Chemistry</i> , 2008 , 80, 1679-88	7.8	6
441	Chromatographic Separations. 2008 , 265-285		0
440	A novel chip device based on wired capillary packed with high performance polymer-based monolith for HPLC: reproducibility in preparation processes to obtain long columns. 2008 , 24, 149-54		17
439	Membrane Chromatography. 2008 , 25-63		2
438	Development of High-Throughput Analysis System Using Highly-Functional Organic Polymer Monoliths. 2008 , 57, 517-529		2
437	Functionalized Inorganic Monolithic Microreactors for High Productivity in Fine Chemicals Catalytic Synthesis. 2009 , 121, 5069-5072		31
436	CEC: selected developments that caught my eye since the year 2000. <i>Electrophoresis</i> , 2009 , 30 Suppl 1, S68-82	3.6	43
435	Porous polymers: enabling solutions for energy applications. 2009 , 30, 221-36		168
434	In-column preparation of a brush-type chiral stationary phase using click chemistry and a silica monolith. 2009 , 32, 21-8		41
433	Pressurized CEC with gradient elution for separation of flavonoids from corn. 2009 , 32, 388-93		19
432	Polymer-based monolithic columns in capillary format tailored by using controlled in situ polymerization. 2009 , 32, 341-58		46
431	My favorite materials: porous polymer monoliths. 2009 , 32, 3-9		30
430	Performance of wide-pore monolithic silica column in protein separation. 2009 , 32, 2747-51		6
429	Fused-core, sub-2 microm packings, and monolithic HPLC columns: a comparative evaluation. 2009 , 32, 2723-31		61
428	Glycin-bonded silica monolithic column as zwitterionic stationary phase for hydrophilic interaction pressurized capillary electrochromatography. 2009 , 32, 2767-75		12
427	Monolithic silica capillary columns having immobilized lectins and surface bound polar functionalities for lectin affinity and normal phase nano-LC and CEC of glycoconjugates, respectively. 2009 , 32, 1642-53		23
426	Interpretive optimisation of organic solvent content and flow-rate in the separation of beta-blockers with a Chromolith RP-18e column. 2009 , 32, 2793-803		13
425	Highly cross-linked polymeric capillary monoliths for the separation of low, medium, and high molecular weight analytes. 2009 , 32, 2521-9		48

4 ²⁴	Modeling the effect of species retention on the band broadening in perfectly ordered silica monolithic column mimics with variable external porosity and intra-skeleton diffusivity. 2009 , 32, 2707-22	9
4 ²³	Preparation and characterization of sizable macroporous epoxy resin-based monolithic supports for flow-through systems. 2009 , 32, 2608-18	7
4 ²²	Polymeric strong cation-exchange monolithic column for capillary liquid chromatography of peptides and proteins. 2009 , 32, 2565-73	23
4 ²¹	Functionalized inorganic monolithic microreactors for high productivity in fine chemicals catalytic synthesis. 2009 , 48, 4969-72	124
4 ²⁰	Comparison study of porous, fused-core, and monolithic silica-based C18 HPLC columns for Celestoderm-V Ointment analysis. 2009 , 50, 815-22	31
4 ¹⁹	Investigation of biomembrane-drug interactions of different biomembranes by capillary electrophoresis. 2009 , 54, 2033-2037	1
4 ¹⁸	Immobilized monolithic enzyme reactors for application in proteomics and pharmaceuticals. 2009 , 395, 1583-8	20
4 ¹⁷	Study of triacontyl-functionalized monolithic silica capillary column for reversed-phase capillary liquid chromatography. 2009 , 1216, 2597-600	13
4 ¹⁶	Different alkyl dimethacrylate mediated stearyl methacrylate monoliths for improving separation efficiency of typical alkylbenzenes and proteins. 2009 , 1216, 3098-106	56
4 ¹⁵	Structural characterization of hierarchically porous alumina aerogel and xerogel monoliths. 2009 , 338, 506-13	82
4 ¹⁴	Electron beam triggered, free radical polymerization-derived monolithic capillary columns for high-performance liquid chromatography. 2009 , 1216, 2664-70	18
4 ¹³	Ring-opening metathesis polymerization for the preparation of norbornene-based weak cation-exchange monolithic capillary columns. 2009 , 1216, 2651-7	22
4 ¹²	Preparation of a mixed-mode hydrophilic interaction/anion-exchange polymeric monolithic stationary phase for capillary liquid chromatography of polar analytes. 2009 , 1216, 801-6	38
4 ¹¹	Novel zwitterionic polyphosphorylcholine monolithic column for hydrophilic interaction chromatography. 2009 , 1216, 2439-48	67
4 ¹⁰	Monolithic microextraction tips by emulsion photopolymerization. 2009 , 1216, 2282-7	16
4 ⁰⁹	Flow-through pore characteristics of monolithic silicas and their impact on column performance in high-performance liquid chromatography. 2009 , 1216, 2625-36	44
4 ⁰⁸	Development of an epoxy-based monolith used for the affinity capturing of Escherichia coli bacteria. 2009 , 1216, 3794-801	36
4 ⁰⁷	Effect of the presence of an ordered micro-pillar array on the formation of silica monoliths. 2009 , 1216, 7360-7	27

406	Mass transfer kinetic mechanism in monolithic columns and application to the characterization of new research monolithic samples with different average pore sizes. 2009 , 1216, 4752-67		61
405	Synthesis and characterization of a new boronate affinity monolithic capillary for specific capture of cis-diol-containing compounds. 2009 , 1216, 4768-74		128
404	Sol-gel synthesis of macro-mesoporous titania monoliths and their applications to chromatographic separation media for organophosphate compounds. 2009 , 1216, 7375-83		92
403	High capacity organic monoliths for the simultaneous application to biopolymer chromatography and the separation of small molecules. 2009 , 1216, 6303-9		72
402	Capillary liquid chromatography using a hydrophilic/cation-exchange monolithic column with a dynamically modified cationic surfactant. 2009 , 1216, 7728-31		14
401	Influence of the polymerisation time on the porous and chromatographic properties of monolithic poly(1,2-bis(p-vinylphenyl))ethane capillary columns. 2009 , 1216, 7747-54		77
400	Hybrid organic-inorganic silica monolith with hydrophobic/strong cation-exchange functional groups as a sorbent for micro-solid phase extraction. 2009 , 1216, 7739-46		60
399	Synthesis of hydrophilic boronate affinity monolithic capillary for specific capture of glycoproteins by capillary liquid chromatography. 2009 , 1216, 8421-5		104
398	Recent advances in immobilized enzymatic reactors and their applications in proteome analysis. 2009 , 632, 1-8		102
397	Capillary microextraction (CME) and its application to trace elements analysis and their speciation. 2009 , 650, 23-32		29
396	Rapid Analysis of Nitrate and Nitrite by Ion-Interaction Chromatography on a Monolithic Column. 2009 , 70, 1017-1022		8
395	Gradient elution in microchannel electrochromatography. <i>Analytical Chemistry</i> , 2009 , 81, 3851-7	7.8	9
394	Experimental investigation of the band broadening arising from short-range interchannel heterogeneities in chromatographic beds under the condition of identical external porosity. <i>Analytical Chemistry</i> , 2009 , 81, 705-15	7.8	18
393	Accelerating the quality control of pharmaceuticals using monolithic stationary phases: a review of recent HPLC applications. 2009 , 47, 443-51		14
392	Polymer microchips integrating solid-phase extraction and high-performance liquid chromatography using reversed-phase polymethacrylate monoliths. <i>Analytical Chemistry</i> , 2009 , 81, 2545-54	7.8	98
391	Development of an automatic solid phase extraction and liquid chromatography mass spectrometry method by using a monolithic column for the analysis of Cyclosporin A in human plasma. 2009 , 79, 280-3		17
390	Hierarchically Porous Monolithic LiFePO ₄ /Carbon Composite Electrode Materials for High Power Lithium Ion Batteries. 2009 , 21, 5300-5306		173
389	Macroporous Monolithic Polymers: Preparation and Applications. <i>Materials</i> , 2009 , 2, 2429-2466	3.5	40

388	Non-oxidic nanoscale composites: single-crystalline titanium carbide nanocubes in hierarchical porous carbon monoliths. 2009 , 11, 3300-4	2
387	Integration of biomolecules into analytical systems by means of silica sol-gel technology. 2009 , 25, 969-78	9
386	Rice husk derived silica aerogel as chromatographic packing material for colour separation of purple orchid (<i>Cattleya bowringiana</i>) flower. 2009 , 13, 334-336	1
385	Methacrylate-ester-based reversed phase monolithic columns for high speed separation prepared by low temperature UV photo-polymerization. 2009 , 25, 1107-13	25
384	Elongation and orientation of macropores by shear stress in silica-polymer composite I. Effects of shear time and shear rate. 2009 , 117, 873-877	
383	The Use of Capillary Electrochromatography for Natural Product Analysis □Theoretical Background and Recent Applications. 2010 , 14, 1769-1780	9
382	Sol-Gel Electrochemistry:. 2010 , 211-304	5
381	Monolithic Stationary Phases in HPLC. 2010 , 3-45	1
380	Micro-HPLC. 2010 , 77-100	
379	Enantiomeric separation by capillary electrochromatography on a sulfated poly β-cyclodextrin modified silica-based monolith. 2010 , 26, 943-7	23
378	Twisted Nanotubes Formed from Ultrashort Amphiphilic Peptide I3K and Their Templating for the Fabrication of Silica Nanotubes. 2010 , 22, 5165-5173	99
377	New trends in fast and high-resolution liquid chromatography: a critical comparison of existing approaches. 2010 , 397, 1069-82	237
376	Towards porous polymer monoliths for the efficient, retention-independent performance in the isocratic separation of small molecules by means of nano-liquid chromatography. 2010 , 1217, 7514-22	91
375	Fabrication of ceramic components with hierarchical porosity. 2010 , 45, 5425-5455	175
374	Hierarchically porous Fe ₂ O ₃ /CuO composite monoliths: Synthesis and characterization. 2010 , 19, 589-592	2
373	Co-continuous monolithic titania prepared by organic polymer monolith as pore template. 2010 , 64, 177-180	5
372	Rapid Separation of Proteins by Capillary HPLC on a Short Polymethacrylate-based Strong Cation-exchange Monolithic Column. 2010 , 28, 567-572	5
371	A strong inorganic acid-initiated methacrylate polymerization strategy for room temperature preparation of monolithic columns for capillary electrochromatography. <i>Electrophoresis</i> , 2010 , 31, 1666- 73 ³⁶	10

370	Bioaffinity chromatography on monolithic supports. 2010 , 33, 422-38	88
369	Preparation, characterisation and modification of carbon-based monolithic rods for chromatographic applications. 2010 , 33, 1231-43	22
368	A novel route to prepare highly reactive and versatile chromatographic monoliths. 2010 , 31, 1785-90	19
367	In situ SAXS observation on metal-salt-derived alumina sol-gel system accompanied by phase separation. 2010 , 352, 303-8	20
366	Synthesis of high-silica and low-silica zeolite monoliths with trimodal pores. 2010 , 132, 538-542	22
365	Development and application of mass spectrometric methods for the analysis of progranulin N-glycosylation. 2010 , 73, 1479-90	26
364	Monoliths with chiral surface functionalization for enantioselective capillary electrochromatography. 2010 , 53, 1091-123	60
363	Macroporous periodic mesoporous organosilicas with diethylbenzene bridging groups. 2010 , 130, 180-188	23
362	Micro-bore titanium housed polymer monoliths for reversed-phase liquid chromatography of small molecules. 2010 , 1217, 2138-46	33
361	Porous polymer monoliths: amazingly wide variety of techniques enabling their preparation. 2010 , 1217, 902-24	499
360	Fast separation of low molecular weight analytes on structurally optimized polymeric capillary monoliths. 2010 , 1217, 3223-30	56
359	Chiral silica-based monoliths in chromatography and capillary electrochromatography. 2010 , 1217, 941-52	54
358	Performance of columns packed with the new shell Kinetex-C18 particles in gradient elution chromatography. 2010 , 1217, 1604-15	129
357	Preparation of chitosan functionalized monolithic silica column for hydrophilic interaction liquid chromatography. 2010 , 1217, 4958-64	29
356	On the optimization of the shell thickness of superficially porous particles. 2010 , 1217, 6373-81	37
355	A simple cladding process to apply monolithic silica rods in high performance liquid chromatography. 2010 , 1217, 7172-6	6
354	Hypercrosslinking: new approach to porous polymer monolithic capillary columns with large surface area for the highly efficient separation of small molecules. 2010 , 1217, 8212-21	139
353	. 2010 ,	3

352	. 2010 ,		6
351	Recent development in high-throughput bioanalytical support for in vitro ADMET profiling. 2010 , 6, 321-36		28
350	Sol-Gel Synthesis of Non-Silica Monolithic Materials. <i>Materials</i> , 2010 , 3, 2815-2833	3.5	67
349	A capillary monolithic trypsin reactor for efficient protein digestion in online and offline coupling to ESI and MALDI mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 1434-43	7.8	72
348	Today's Chromatographers and their Discoveries (2000-2008). 2010 , 101-198		
347	History and Developments in Chromatographic Column Technology and Validation to 2001. 2010 , 199-267		
346	Fabrication and chromatographic performance of porous-shell pillar-array columns. <i>Analytical Chemistry</i> , 2010 , 82, 7208-17	7.8	39
345	Bottom-up Approach toward Titanosilicate Mesoporous Pillared Planar Nanochannels for Nanofluidic Applications. 2010 , 22, 5687-5694		39
344	Efficient separation of small molecules using a large surface area hypercrosslinked monolithic polymer capillary column. <i>Analytical Chemistry</i> , 2010 , 82, 1621-3	7.8	136
343	Chip electrophoresis with mass spectrometric detection in record speed. 2010 , 10, 1227-30		33
342	Evanescent wave-initiated photopolymerisation as a new way to create monolithic open-tubular capillary columns: use as enzymatic microreactor for on-line protein digestion. 2010 , 135, 477-81		29
341	Monolithic porous layer open tubular (monoPLOT) columns for low pressure liquid chromatography of proteins. 2011 , 3, 537-543		25
340	MIXED-MODE MONOLITHIC SILICA AS A CHROMATOGRAPHIC SEPARATION MEDIUM. 2011 , 34, 500-510		2
339	Thermoresponsive polymer brush on monolithic-silica-rod for the high-speed separation of bioactive compounds. 2011 , 27, 10830-9		49
338	Monolithic silica with HPLC separation and solid phase extraction materials for determination of drugs in biological materials. 2011 , 3, 2189		18
337	Synthesis Concepts and Preparation of Silica Monoliths. 2011 , 9-33		2
336	Silica Monoliths in Solid-Phase Extraction and Solid-Phase Microextraction. 2011 , 319-334		
335	Characterization of the Pore Structure of Monolithic Silicas. 2011 , 47-80		1

334	Methods of sample preparation for determination of veterinary residues in food matrices by porous monolith microextraction-based techniques. 2011 , 3, 1246	22
333	A rapid synthetic method for organic polymer-based monoliths in a room temperature ionic liquid medium via microwave-assisted vinylization and polymerization. 2011 , 13, 296-299	41
332	A sustainable synthesis of nitrogen-doped carbon aerogels. 2011 , 13, 2428	172
331	Monolithic phases for ion chromatography. 2011 , 4, 197-226	28
330	Hierarchically Porous Silica Prepared from Ionic Liquid and Polymeric Bicontinuous Microemulsion Templates. 2011 , 23, 4824-4831	27
329	Monolithic Silica Columns in Multidimensional LC-MS for Proteomics and Peptidomics. 2011 , 297-317	
328	Sol-Gel Synthesis of Au-Nanoparticle Dispersed Bicontinuous Macroporous Siloxane Gel. 2011 , 18, 032002	3
327	Synthesis of Monolithic Microhoneycombs Equipped with Unique Hierarchical Pore Systems Using Ice Templating. 2011 , 54, 127-135	4
326	Novel liquid-chromatography columns for proteomics research. 2011 , 30, 1809-1818	18
325	Intact protein separation by chromatographic and/or electrophoretic techniques for top-down proteomics. 2011 , 1218, 8760-76	67
324	Analyses of sulfonamide antibiotics in meat samples by on-line concentration capillary electrochromatography-mass spectrometry. 2011 , 1218, 7640-7	47
323	Ionic liquids-assisted fabrication of silica-based monolithic columns. 2011 , 1218, 3699-703	8
322	Preparation and Evaluation of Long Chain Alkyl Methacrylate Monoliths for Capillary Chromatography. 2011 , 74, 1-8	16
321	Potential of poly(styrene-co-divinylbenzene) monolithic columns for the LC-MS analysis of protein digests. 2011 , 399, 1845-52	10
320	Porous polymer monoliths for small molecule separations: advancements and limitations. 2011 , 400, 2289-304	96
319	Development of silica-based stationary phases for high-performance liquid chromatography. 2011 , 399, 3307-22	113
318	Ordered, mesoporous metal phosphonate materials with microporous crystalline walls for selective separation techniques. 2011 , 7, 1827-37	57
317	Monolith as a new sample preparation material: recent devices and applications. 2011 , 34, 901-24	87

316	Kinetic performance optimisation for liquid chromatography: principles and practice. 2011 , 34, 877-87		24
315	Recent advances in silica-based monoliths: preparations, characterizations and applications. 2011 , 34, 1945-57		32
314	Capillary columns for reversed-phase CEC prepared via surface functionalization of polymer monolith with aromatic selectors. 2011 , 34, 2271-8		11
313	Computational study of the relationship between the flow resistance and the microscopic structure of polymer monoliths. 2011 , 34, 2038-46		4
312	Silica-based and organic monolithic capillary columns for LC: recent trends in proteomics. 2011 , 34, 1934-44		8
311	Narrow-bore core-shell particles and monolithic columns in the analysis of silybin diastereoisomers. 2011 , 34, 2206-13		9
310	Monolithic media for applications in affinity chromatography. 2011 , 34, 1958-73		48
309	Size separation and size determination of liposomes. 2011 , 34, 2861-5		8
308	New hierarchically porous titania monoliths for chromatographic separation media. 2011 , 34, 3004-10		25
307	Polydimethylsiloxane-functionalized monolithic silica column for reversed-phase capillary liquid chromatography. 2011 , 34, 3303-9		4
306	Peptide Purification by Reversed-Phase Chromatography. 2011 , 519-548		1
305	Convenient enantioseparation by monolithic imprinted capillary clamped in a chip with electrochemical detection. <i>Electrophoresis</i> , 2011 , 32, 1522-9	3.6	14
304	Enantioselective capillary electrochromatography: recent developments and new trends. <i>Electrophoresis</i> , 2011 , 32, 2583-601	3.6	64
303	Miniaturized biocatalysis on polyacrylate-based capillary monoliths. 2011 , 119, 1450-1458		8
302	Preparation and application of hydrophilic monolithic columns. 2011 , 1218, 2350-61		84
301	Incorporation of carbon nanotubes in porous polymer monolithic capillary columns to enhance the chromatographic separation of small molecules. 2011 , 1218, 2546-52		165
300	Modeling of flow in a polymeric chromatographic monolith. 2011 , 1218, 3466-75		57
299	Measurement of the eddy diffusion term in chromatographic columns. I. Application to the first generation of 4.6mm I.D. monolithic columns. 2011 , 1218, 5216-27		41

298	Preparation and characterization of lauryl methacrylate-based monolithic microbore column for reversed-phase liquid chromatography. 2011 , 1218, 5228-34	40
297	Size separation of colloiddally dispersed nanoparticles using a monolithic capillary column. 2011 , 1218, 5520-6	11
296	Functional silica monoliths with hierarchical uniform porosity as continuous flow catalytic reactors. 2011 , 140, 58-68	91
295	Liquid chromatographic behavior of lanthanides and actinides on monolith supports. 2011 , 99, 275-283	18
294	Preparation and Evaluation of Monolithic Silica Capillary Column for Reversed-Phase Capillary Liquid Chromatography. 2012 , 485, 136-139	
293	Two-dimensional protein separation by the HPLC system with a monolithic column. 2012 , 76, 585-8	9
292	Development of Non-Siliceous Porous Materials and Emerging Applications. 2012 , 85, 415-432	7
291	Fabrication of anisotropic porous silica monoliths by means of magnetically controlled phase separation in sol-gel processes. 2012 , 28, 12655-62	13
290	Preparation and application of lysozyme imprinted monolithic column with dopamine as the functional monomer. 2012 , 22, 707-713	32
289	Preparation and characterization of alkyl methacrylate capillary monolithic columns. 2012 , 16, 271-278	10
288	Synthesis and characterization of new generation open tubular silica capillaries for liquid chromatography. 2012 , 1265, 88-94	37
287	Monoliths with proteins as chiral selectors for enantiomer separation. 2012 , 91, 7-17	49
286	Boron nitride nanotubes and their functionalization via quinuclidine-3-thiol with gold nanoparticles for the development and enhancement of the HPLC performance of HPLC monolithic columns. 2012 , 93, 274-8	24
285	Preparation and characterization of neutral poly(ethylene glycol) methacrylate-based monolith for normal phase liquid chromatography. 2012 , 99, 91-8	11
284	Non-covalent functionalisation of monolithic silica for the development of carbon nanotube HPLC stationary phases. 2012 , 99, 580-5	26
283	Capillary electrochromatography-mass spectrometry determination of melamine and related triazine by-products using poly(divinyl benzene-alkene-vinylbenzyl trimethylammonium chloride) monolithic stationary phases. 2012 , 719, 96-103	40
282	Inorganic monoliths in separation science: a review. 2012 , 750, 28-47	49
281	New monolithic chromatographic supports for macromolecules immobilization: challenges and opportunities. 2012 , 69, 64-76	21

280	Stationary phases for packed-column supercritical fluid chromatography. 2012 , 1250, 157-71		68
279	Polymeric monolithic materials modified with nanoparticles for separation and detection of biomolecules: a review. 2012 , 12, 2904-17		51
278	Profile of native cellulosomal proteins of <i>Clostridium cellulovorans</i> adapted to various carbon sources. 2012 , 2, 37		37
277	Nanocasting nanoporous inorganic and organic materials from polymeric bicontinuous microemulsion templates. 2012 , 44, 131-146		40
276	Preparation of aligned porous silica monolithic capillary columns and their evaluation for HPLC. 2012 , 4, 3942		14
275	Gold Nanoparticle Deposition on Silica Nanohelices: A New Controllable 3D Substrate in Aqueous Suspension for Optical Sensing. 2012 , 116, 23143-23152		26
274	Synthesis of Monolithic Hierarchically Porous Iron-Based Xerogels from Iron(III) Salts via an Epoxide-Mediated Sol-Gel Process. 2012 , 24, 2071-2077		68
273	Selective preparation of macroporous monoliths of conductive titanium oxides $Ti(n)O(2n-1)$ ($n = 2, 3, 4, 6$). 2012 , 134, 10894-8		88
272	Boronate affinity chromatography of cells and biomacromolecules using cryogel matrices. 2012 , 51, 373-81		47
271	LC Automation. 2012 , 613-648		1
270	Recent Developments of Extraction and Micro-extraction Technologies with Porous Monoliths. 2012 , 42, 38-49		29
269	Mixed mode HILIC/anion exchange separations on latex coated silica monoliths. 2012 , 100, 313-9		32
268	Facile preparation of zwitterionic organic-silica hybrid monolithic capillary column with an improved "one-pot" approach for hydrophilic-interaction liquid chromatography (HILIC). <i>Analytical Chemistry</i> , 2012 , 84, 2721-8	7.8	106
267	Facile preparation of SiO_2/TiO_2 composite monolithic capillary column and its application in enrichment of phosphopeptides. <i>Analytical Chemistry</i> , 2012 , 84, 7763-70	7.8	67
266	Zwitterionic silica-based monolithic capillary columns for isocratic and gradient hydrophilic interaction liquid chromatography. 2012 , 1270, 178-85		32
265	Preparation of porous polymer monoliths featuring enhanced surface coverage with gold nanoparticles. 2012 , 1261, 121-8		110
264	Leveraging Advances in HPLC and Sample Preparation to Maximize DMPK Data Quality. 2012 , 1		
263	High Throughput Quantitative Mass Spectrometry. 2012 , 1		

262	Ultra-high performance liquid chromatographic method for the determination of polycyclic aromatic hydrocarbons in a passive environmental sampler. 2012 , 35, 922-8		20
261	Adsorbents and columns in analytical high-performance liquid chromatography: a perspective with regard to development and understanding. 2012 , 35, 1201-12		30
260	Amylose-3,5-dimethylphenylcarbamate immobilized on monolithic silica stationary phases for chiral separations in capillary electrochromatography. <i>Electrophoresis</i> , 2012 , 33, 1613-23	3.6	14
259	Exceptional arsenic adsorption performance of hydrous cerium oxide nanoparticles: Part B. Integration with silica monoliths and dynamic treatment. 2012 , 185-186, 136-143		32
258	The current revolution in column technology: how it began, where is it going?. 2012 , 1228, 2-19		143
257	Quest for organic polymer-based monolithic columns affording enhanced efficiency in high performance liquid chromatography separations of small molecules in isocratic mode. 2012 , 1228, 250-62		139
256	Comparison of the gradient kinetic performance of silica monolithic capillary columns with columns packed with 3 μ m porous and 2.7 μ m fused-core silica particles. 2012 , 1228, 270-5		37
255	Separation of small inorganic anions using methacrylate-based anion-exchange monolithic column prepared by low temperature UV photo-polymerization. 2012 , 1232, 123-7		18
254	Monolithic bed structure for capillary liquid chromatography. 2012 , 1219, 1-14		71
253	New trends in fast liquid chromatography for food and environmental analysis. 2012 , 1228, 298-323		184
252	Measurement of the eddy dispersion term in chromatographic columns: III. Application to new prototypes of 4.6 mm I.D. monolithic columns. 2012 , 1225, 79-90		39
251	Measurement of the eddy dispersion term in chromatographic columns. II. Application to new prototypes of 2.3 and 3.2 mm I.D. monolithic silica columns. 2012 , 1227, 82-95		38
250	Highly crosslinked polymeric monoliths for reversed-phase capillary liquid chromatography of small molecules. 2012 , 1227, 96-104		39
249	Comparison of the fast gradient performance of new prototype silica monolithic columns and columns packed with fully porous and core-shell particles. 2012 , 1236, 28-41		38
248	Band broadening in fast gradient high-performance liquid chromatography: application to the second generation of 4.6 mm I.D. silica monolithic columns. 2012 , 1238, 77-90		33
247	Chemical anchoring of lauryl methacrylate-based reversed phase monolith to 1/16" o.d. polyetheretherketone tubing. 2012 , 1242, 59-66		29
246	High performance liquid chromatographic determination of aflatoxins in chilli, peanut and rice using silica based monolithic column. 2012 , 133, 489-96		56
245	Flower-like surface modification of titania materials by lithium hydroxide solution. 2012 , 374, 291-6		10

244	A meso-macroporous borosilicate monolith prepared by a sol-gel method. 2012 , 151, 250-254		10
243	Synthesis of monolithic HPLC stationary phase with self-assembled molecular recognition sites for 4-aminophenol. 2012 , 123, 493-501		8
242	Comparative study of recent wide-pore materials of different stationary phase morphology, applied for the reversed-phase analysis of recombinant monoclonal antibodies. 2013 , 405, 3137-51		25
241	Preparation of a butyl-silica hybrid monolithic column with a "one-pot" process for bioseparation by capillary liquid chromatography. 2013 , 405, 2265-71		21
240	Monolithic columns in plant proteomics and metabolomics. 2013 , 405, 2107-22		24
239	Towards the chemoenzymatic synthesis of heparan sulfate oligosaccharides: Oxidative cleavage of -nitrophenyl group with ceric ammonium salts. 2013 , 54, 4471-4474		17
238	Preparation and characterization of alkyl methacrylate-based monolithic columns for capillary gas chromatography applications. 2013 , 1301, 200-8		11
237	An insight to chiral monolith for enantioselective nano and micro HPLC: preparation and applications. 2013 , 25, 314-23		19
236	Porous polymer monoliths with large surface area and functional groups prepared via copolymerization of protected functional monomers and hypercrosslinking. 2013 , 1317, 32-8		35
235	A sulfonic-azobenzene-grafted silica amphiphilic material: a versatile stationary phase for mixed-mode chromatography. 2013 , 19, 18004-10		44
234	Advances in the development of organic polymer monolithic columns and their applications in food analysis--a review. 2013 , 1313, 37-53		95
233	Sol-gel synthesis of zinc ferrite-based xerogel monoliths with well-defined macropores. 2013 , 3, 3661		13
232	Fundamentals for LC miniaturization. <i>Analytical Chemistry</i> , 2013 , 85, 543-56	7.8	111
231	Porous polymer monoliths: morphology, porous properties, polymer nanoscale gel structure and their impact on chromatographic performance. 2013 , 1287, 39-58		104
230	Recent developments in high-performance liquid chromatography stationary phases. <i>Analytical Chemistry</i> , 2013 , 85, 579-89	7.8	116
229	Three dimensional macroporous architectures and aerogels built of carbon nanotubes and/or graphene: synthesis and applications. 2013 , 42, 794-830		957
228	Affinity monolith chromatography: a review of principles and recent analytical applications. 2013 , 405, 2133-45		105
227	Large volume injection of aqueous peptide samples on a monolithic silica based zwitterionic-hydrophilic interaction liquid chromatography system for characterization of posttranslational modifications. 2013 , 1317, 129-37		15

226	Facile preparation of a stable and functionalizable hybrid monolith via ring-opening polymerization for capillary liquid chromatography. 2013 , 1301, 131-8	58
225	Improved radiometabolite analysis procedure for positron emission tomography (PET) radioligands using a monolithic column coupled with direct injection micellar/high submicellar liquid chromatography. 2013 , 113, 130-4	9
224	Possibilities of retention prediction in fast gradient liquid chromatography. Part 1: Comparison of separation on packed fully porous, nonporous and monolithic columns. 2013 , 1278, 37-45	5
223	Half-width plots, a simple tool to predict peak shape, reveal column kinetics and characterise chromatographic columns in liquid chromatography: state of the art and new results. 2013 , 1314, 142-53	34
222	Hydrodynamic and dispersion behavior in a non-porous silica monolith through fluid dynamic study of a computational mimic reconstructed from sub-micro-tomographic scans. 2013 , 1274, 65-76	12
221	Hierarchically porous nickel/carbon composite monoliths prepared by sol-gel method from an ionic precursor. 2013 , 176, 64-70	30
220	Coupling ultra high-pressure liquid chromatography with mass spectrometry: constraints and possible applications. 2013 , 1292, 2-18	113
219	Miniaturization and Microfluidics. 2013 , 453-467	2
218	Monolithic column in gas chromatography. 2013 , 775, 25-40	38
217	Advances in monolithic materials for sample preparation in drug and pharmaceutical analysis. 2013 , 45, 182-196	71
216	Investigation of carryover of peptides in nano-liquid chromatography/mass spectrometry using packed and monolithic capillary columns. 2013 , 912, 56-63	29
215	New advances in separation science for metabolomics: resolving chemical diversity in a post-genomic era. 2013 , 113, 2437-68	251
214	Cross-linker effects on the separation efficiency on (poly)methacrylate capillary monolithic columns. Part II. Aqueous normal-phase liquid chromatography. 2013 , 1289, 47-57	39
213	Recent advances in the design of organic polymer monoliths for reversed-phase and hydrophilic interaction chromatography separations of small molecules. 2013 , 405, 2123-31	53
212	High-resolution monolithic columns—a new tool for effective and quick separation. 2013 , 405, 2255-63	14
211	Flow Injection/Sequential Injection Chromatography: A Review of Recent Developments in Low Pressure with High Performance Chemical Separation. 2013 , 46, 1640-1671	25
210	Bimodification of Mesoporous Silicon Oxide by Coupled In Situ Oxidation at the Interface and Ion Exchange and its Catalytic Activity in the Gas-Phase Toluene Oxidation. 2013 , 5, 920-930	13
209	Cross-linker effects on the separation efficiency on (poly)methacrylate capillary monolithic columns. Part I. Reversed-phase liquid chromatography. 2013 , 1274, 97-106	42

208	Application of Hierarchically Porous Titania Monoliths to Chromatographic Separation Media. 2013 , 121-134	
207	Novel Monolithic Capillary Column with Well-Defined Macropores Based on Poly(styrene-co-divinylbenzene). 2013 , 47-60	
206	Determination of chiral jasmonates in flowers by GC/MS after monolithic material sorptive extraction. 2013 , 61, 6288-92	14
205	Chiral benzofurazan-derived derivatization reagents for indirect enantioseparations by HPLC. 2013 , 970, 233-48	6
204	Fabrication of a poly(vinyl alcohol) monolith via thermally impacted non-solvent-induced phase separation. 2013 , 45, 1101-1106	42
203	Thermally modulated cationic copolymer brush on monolithic silica rods for high-speed separation of acidic biomolecules. 2013 , 5, 1442-52	37
202	Facile synthesis of meso/macroporous dual materials with ordered mesopores using highly concentrated emulsions based on a cubic liquid crystal. 2013 , 29, 432-40	19
201	Cellulosome complexes: natural biocatalysts as arming microcompartments of enzymes. 2013 , 23, 370-8	19
200	A one step approach for preparation of an octadecylsilica hybrid monolithic column via a non-hydrolytic sol-gel (NHSG) method. 2013 , 3, 22160	11
199	Low-flow-resistance methacrylate-based polymer monolithic column prepared by low-conversion ultraviolet photopolymerization at low temperature. 2013 , 29, 205-11	8
198	Band Broadening and Kinetics. 2013 , 67-92	
197	Phase-Field Simulation of Polymerization-Induced Phase Separation: I. Effect of Reaction Rate and Coexisting Polymer. 2013 , 46, 709-715	2
196	3 Novel Materials in Solid-Phase Microextraction and Related Sample Preparation Approaches. 2014 , 88-190	
195	Quantification of malachite green in fish feed utilising liquid chromatography-tandem mass spectrometry with a monolithic column. 2014 , 31, 827-32	10
194	Cholesterol-based polymeric monolithic columns for capillary liquid chromatography. 2014 , 1373, 114-23	12
193	Adamantyl-group containing mixed-mode acrylamide-based continuous beds for capillary electrochromatography. Part IV: investigation of the chromatographic efficiency dependent on the retention mode. 2014 , 1349, 80-9	5
192	Preparation of polyhedral oligomeric silsesquioxane-based hybrid monolith by ring-opening polymerization and post-functionalization via thiol-ene click reaction. 2014 , 1342, 70-7	44
191	Carbon Aerogels and Monoliths: Control of Porosity and Nanoarchitecture via Sol-Gel routes. 2014 , 26, 196-210	174

190	Preparation and evaluation of benzyl methacrylate monoliths for capillary chromatography. 2014 , 52, 201-10	14
189	A new approach to the preparation of large surface area poly(styrene-co-divinylbenzene) monoliths via knitting of loose chains using external crosslinkers and application of these monolithic columns for separation of small molecules. 2014 , 55, 340-346	70
188	Chiral cyclodextrin functionalized polymer monolith for the direct enantioselective reversed phase nano liquid chromatographic separation of racemic pharmaceuticals. 2014 , 1345, 115-27	35
187	Core-shell particles: preparation, fundamentals and applications in high performance liquid chromatography. 2014 , 1357, 36-52	301
186	Porous chromium-based ceramic monoliths: oxides (Cr ₂ O ₃), nitrides (CrN), and carbides (Cr ₃ C ₂). 2014 , 2, 745-752	26
185	A novel mixed phospholipid functionalized monolithic column for early screening of drug induced phospholipidosis risk. 2014 , 1367, 99-108	17
184	Porous layer open tubular columns in capillary liquid chromatography. 2014 , 139, 1292-302	39
183	Effective strategies for improving the electrochemical properties of highly porous Si foam anodes in lithium-ion batteries. 2014 , 2, 14195-14200	33
182	Effective and reusable monolith capillary trap of nitrosamine extraction by superheated water from frankfurter sausage. 2014 , 62, 1240-6	10
181	Monolithic silica rods grafted with thermoresponsive anionic polymer brushes for high-speed separation of basic biomolecules and peptides. 2014 , 15, 1204-15	42
180	Preparation and evaluation of open tubular C18-silica monolithic microcartridges for preconcentration of peptides by on-line solid phase extraction capillary electrophoresis. 2014 , 846, 51-9	21
179	Preparation and evaluation of bovine serum albumin immobilized chiral monolithic column for affinity capillary electrochromatography. 2014 , 464, 43-50	21
178	The pore size distribution of the first and the second generation of silica monolithic stationary phases. 2014 , 1359, 112-6	9
177	Single-step approach for fabrication of vancomycin-bonded silica monolith as chiral stationary phase. 2014 , 1358, 208-16	20
176	Preparation and evaluation of monolithic poly(N-vinylcarbazole-co-1,4-divinylbenzene) capillary columns for the separation of small molecules. 2014 , 406, 5897-907	23
175	Preparation of Monolithic Capillary Chromatographic Columns Using Supercritical Fluid as a Porogen Solvent. 2014 , 77, 1009-1017	7
174	Critical differences in chromatographic properties of silica- and polymer-based monoliths. 2014 , 1358, 165-71	33
173	Structure and Morphology of SBA-15 Thin Films on Different Substrates. 2014 , 44, 346-355	3

172	Microscale immobilized enzyme reactors in proteomics: latest developments. 2014 , 1324, 1-10	65
171	Preparation of monolithic fibers for the solid-phase microextraction of chlorophenols in water samples. 2014 , 37, 1185-93	19
170	Applications of monolithic materials for sample preparation. 2014 , 87, 130-41	59
169	Post-Polymerization Modifications of Polymeric Monolithic Columns: A Review. 2014 , 1, 24-53	26
168	Particulate/Cell Separations Using Macroporous Monolithic Matrices. 2014 , 69-88	1
167	Effective use of flexible low-dimensional colloidal particles and colloidal crystals for the control of hierarchically porous materials. 2015 , 123, 853-861	3
166	Aerogel Insulation for Building Applications. 2015 , 1385-1412	16
165	Organic monolith frits encased in polyether ether ketone tubing with improved durability for liquid chromatography. 2015 , 38, 2938-44	6
164	Development of Monolithic Column Materials for the Separation and Analysis of Glycans. 2015 , 2, 20-65	13
163	Separation of small molecules on novel monolithic poly(vinylphosphonic acid/ethylene dimethacrylate) columns. 2015 , 53, 331-7	1
162	Critical effect of pore characteristics on capillary infiltration in mesoporous films. 2015 , 7, 5371-82	48
161	Synthesis of robust hierarchically porous zirconium phosphate monolith for efficient ion adsorption. 2015 , 39, 2444-2450	42
160	Mechanically stable, hierarchically porous Cu ₃ (btc) ₂ (HKUST-1) monoliths via direct conversion of copper(II) hydroxide-based monoliths. 2015 , 51, 3511-4	56
159	Determination of benzimidazole anthelmintics in milk and honey by monolithic fiber-based solid-phase microextraction combined with high-performance liquid chromatography-diode array detection. 2015 , 407, 557-67	16
158	Comparison of the most recent chromatographic approaches applied for fast and high resolution separations: Theory and practice. 2015 , 1408, 1-14	57
157	Hierarchically Porous Polymer Monoliths by Combining Controlled Macro- and Microphase Separation. 2015 , 137, 8896-9	107
156	Ultraporous Mesostructured Silica Nanoparticles. 2015 , 27, 3193-3196	43
155	Pore volume accessibility of particulate and monolithic stationary phases. 2015 , 1396, 54-61	5

154	Possibilities of retention prediction in fast gradient liquid chromatography. Part 3: Short silica monolithic columns. 2015 , 1410, 76-89		10
153	Nano-LC in proteomics: recent advances and approaches. 2015 , 7, 1799-815		89
152	Thermoresponsive hydrophobic copolymer brushes modified porous monolithic silica for high-resolution bioseparation. 2015 , 5, 66155-66167		33
151	A non-destructive test to assess the axial heterogeneity of in situ modified monoliths for HPLC. 2015 , 7, 7177-7185		5
150	Copper-Containing Rod-Shaped Nanosized Silica Particles for Microwave-Assisted Synthesis of Triazoles in Aqueous Solution. 2015 , 3, 2516-2525		15
149	Facile large-scale synthesis of brain-like mesoporous silica nanocomposites via a selective etching process. 2015 , 7, 16442-50		16
148	Radical-mediated step-growth: Preparation of hybrid polymer monolithic columns with fine control of nanostructural and chromatographic characteristics. 2015 , 1412, 112-25		32
147	Separation and analysis of triazine herbicide residues by capillary electrophoresis. 2015 , 29, 835-42		24
146	Direct and Indirect Applications of Sub- and Supercritical Water in Food-Related Analysis. 2015 , 269-302		
145	Monolithic and core-shell columns in comprehensive two-dimensional HPLC: a review. 2015 , 407, 139-51		38
144	High Pressure Fluid Technology for Green Food Processing. 2015 ,		6
143	Advances and recent trends in the field of monolithic columns for chromatography. <i>Analytical Chemistry</i> , 2015 , 87, 250-73	7.8	268
142	Preparation of monolithic fibers based on dual functional monomers for solid-phase microextraction of sudan dyes in tomato sauce and egg yolk samples. 2015 , 7, 551-559		7
141	Recent development of hybrid organic-silica monolithic columns in CEC and capillary LC. <i>Electrophoresis</i> , 2015 , 36, 62-75	3.6	81
140	Immobilized cyclodextrin-based silica vs polymer monoliths for chiral nano liquid chromatographic separation of racemates. 2015 , 132, 301-14		34
139	Monolithic Materials for Bio-Separations. 2016 ,		
138	Bibliography. 2016 , 267-278		
137	Methacrylate Polymer Monoliths for Separation Applications. <i>Materials</i> , 2016 , 9,	3.5	21

136	Disposable microcolumns with welded metal frits. 2016 , 39, 243-6		4
135	Polyether ether ketone encased monolith frits made of polyether ether ketone tubing with a 0.25 mm opening resulting in an improved separation performance in liquid chromatography. 2016 , 39, 1799-803		3
134	Monoliths in capillary electrochromatography and capillary liquid chromatography in conjunction with mass spectrometry. <i>Electrophoresis</i> , 2016 , 37, 880-912	3.6	23
133	Versatile, sensitive liquid chromatography mass spectrometry - Implementation of 10 μ m OT columns suitable for small molecules, peptides and proteins. 2016 , 6, 37507		28
132	Mixed-mode acrylamide-based continuous beds bearing tert-butyl groups for capillary electrochromatography synthesized via complexation of N-tert-butylacrylamide with a water-soluble cyclodextrin. Part I: Retention properties. 2016 , 1477, 114-126		6
131	Optimization of poly(methyl styrene-co-bis(p-vinylbenzyl)dimethylsilane)-based capillary monoliths for separation of low, medium, and high molecular-weight analytes. 2016 , 1443, 126-35		2
130	Amine Gradient Stationary Phases on In-House Built Monolithic Columns for Liquid Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 5941-9	7.8	19
129	Chip-based monolithic microextraction combined with ICP-MS for the determination of bismuth in HepG2 cells. 2016 , 31, 1391-1399		15
128	Core-Shell, Ultrasmall Particles, Monoliths, and Other Support Materials in High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 279-98	7.8	114
127	Silica-based polypeptide-monolithic stationary phase for hydrophilic chromatography and chiral separation. 2016 , 1446, 125-33		22
126	Thermoresponsive-polymer-based materials for temperature-modulated bioanalysis and bioseparations. 2016 , 4, 6381-6397		76
125	Recent Progress in Monolithic Silica Columns for High-Speed and High-Selectivity Separations. 2016 , 9, 317-42		32
124	Polyaniline-polystyrene membrane for simple and efficient retrieval of double-stranded DNA from aqueous media. 2016 , 6, 104566-104574		2
123	Preparation and Evaluation of Poly(N-isopropylacrylamide-co-hexanediol diacrylate-co-ethylene dimethacrylate) Monolithic Column and its Applications in the Separation of Small Molecules. 2016 , 54, 1727-1734		
122	Recent developments in cyclodextrin functionalized monolithic columns for the enantioseparation of chiral drugs. 2016 , 130, 110-125		32
121	Facile "one-pot" synthesis of poly(methacrylic acid)-based hybrid monolith via thiol-ene click reaction for hydrophilic interaction chromatography. 2016 , 1454, 49-57		18
120	Applications of hierarchically structured porous materials from energy storage and conversion, catalysis, photocatalysis, adsorption, separation, and sensing to biomedicine. 2016 , 45, 3479-563		904
119	Synthesis of the Coumarin-Containing Porous Silica as Column Packing Material. 2016 , 26, 154-164		1

118	Recycling of waste amber glass and porcine bone into fast sintered and high strength glass foams. 2016 , 112, 4534-4539		21
117	Porous polymer monoliths: From their fundamental structure to analytical engineering applications. 2016 , 75, 108-117		66
116	Separation of N-derivatized di- and tri-peptide stereoisomers by micro-liquid chromatography using a quinidine-based monolithic column - Analysis of l-carnosine in dietary supplements. 2016 , 1428, 176-84		18
115	Organosilane grafted silica: Quantitative correlation of microscopic surface characters and macroscopic surface properties. 2017 , 399, 565-572		15
114	Solid supports for extraction and preconcentration of proteins and peptides in microfluidic devices: A review. 2017 , 955, 1-26		31
113	Bridged polysilsesquioxane-based wide-bore monolithic capillary columns for hydrophilic interaction chromatography. 2017 , 1479, 204-209		10
112	Modified sol-gel processed silica matrix for gel electrophoresis applications. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 155-164	2.3	3
111	Thermogravimetric characterization of ex situ polymethacrylate (EDMA-co-GMA) monoliths. 2017 , 95, 1345-1351		12
110	Monolithic columns: A historical overview. <i>Electrophoresis</i> , 2017 , 38, 2810-2820	3.6	33
109	Monolithic High-Performance Liquid Chromatography Columns. 2017 , 1-37		2
108	Ionic liquid-regenerated macroporous cellulose monolith: Fabrication, characterization and its protein chromatography. 2017 , 1494, 40-45		11
107	Self-packed core shell nano liquid chromatography columns and silica-based monolithic trap columns for targeted proteomics. 2017 , 1498, 111-119		19
106	Use of monolithic supports for high-throughput protein and peptide separation in proteomics. <i>Electrophoresis</i> , 2017 , 38, 2851-2869	3.6	19
105	Silica nanoparticle monolayers on a macroion modified surface: formation mechanism and stability. 2017 , 19, 22721-22732		17
104	Miniaturization and microfluidics. 2017 , 619-636		2
103	Advances in the development and applications of organic-silica hybrid monoliths. 2017 , 40, 25-48		35
102	Different Stationary Phase Selectivities and Morphologies for Intact Protein Separations. 2017 , 80, 665-687		17
101	Capillary methacrylate-based monoliths by grafting from/to Bay polymerization on a tentacle-type reactive surface for the liquid chromatographic separations of small molecules and intact proteins. 2017 , 1498, 46-55		11

100	Theory and Practice of UHPLC and UHPLCMS. 2017 , 1-38	
99	Porous Monolithic Layers and Mass Spectrometry. 2017 , 141-178	3
98	Templated Synthesis for Nanostructured Materials. 2017 , 201-232	1
97	Advances in monolithic silica columns for high-performance liquid chromatography. 2017 , 8,	2
96	Poly(N-isopropylacrylamide) based thermoresponsive polymer brushes for bioseparation, cellular tissue fabrication, and nano actuators. 2018 , 16, 9-23	41
95	Comparison of commercial organic polymer-based and silica-based monolithic columns using mixtures of analytes differing in size and chemistry. 2018 , 41, 1558-1566	9
94	Hematite/silica nanoparticle bilayers on mica: AFM and electrokinetic characterization. 2018 , 20, 15368-15379	8
93	Complementation of UPLC-Q-TOF-MS and CESI-Q-TOF-MS on identification and determination of peptides from bovine lactoferrin. 2018 , 1084, 150-157	17
92	Batch and continuous synthesis upscaling of powder and monolithic ordered mesoporous silica COK-12. 2018 , 256, 102-110	10
91	Monolithic Silica Capillary Columns with Improved Retention and Selectivity for Amino Acids. <i>Separations</i> , 2018 , 5, 48	3.1 2
90	Preparation of Nanoporous Polymer Membranes Utilizing Water Pressure and Solvent Mixtures. 2018 , 18, 7151-7154	1
89	Comprehensive two-dimensional monolithic liquid chromatography of polar compounds. 2019 , 42, 670-677	3
88	Design of Functional Thermoresponsive Polymer Brushes and Their Application to Bioseparation. 2018 , 75, 143-154	1
87	Preparation and Characterization of Fe ₃ O ₄ @SiO ₂ Nanoparticles Incorporated Polymer Monolithic Column for Gas Chromatography. 2018 , 81, 1043-1051	3
86	Simultaneous Determination of Paracetamol and Chlorzoxazone in Their Combined Pharmaceutical Formulations by Reversed-phase Capillary Liquid Chromatography Using a Polymethacrylate Monolithic Column. 2018 , 56, 819-827	6
85	Editorial: Advanced Stationary Phases for HPLC. 2018 , 5, 3-4	
84	Preparation of an acryloyl β -cyclodextrin-silica hybrid monolithic column and its application in pipette tip solid-phase extraction and HPLC analysis of methyl parathion and fenthion. 2018 , 41, 3508-3514	14
83	Using of Nanomaterials to Enhance the Separation Efficiency of Monolithic Columns. 2018 , 299-322	2

82	Recent advancements in open-tubular liquid chromatography and capillary electrochromatography during 2014-2018. 2019 , 1088, 20-34		37
81	Challenges and Advances in the Fabrication of Monolithic Bioseparation Materials and their Applications in Proteomics Research. 2019 , 31, e1902023		34
80	Applications of monolithic columns in gas chromatography and supercritical fluid chromatography. 2019 , 42, 999-1011		7
79	Simultaneous Capillary Liquid Chromatography Determination of Drugs in Pharmaceutical Preparations Using Tunable Platforms of Polymethacrylate Monolithic Columns Modified with Octadecylamine. 2019 , 82, 1003-1015		5
78	Exploiting the Dynamic Relationship between Peptide Separation Quality and Peptide Coisolation in a Multiple-Peptide Matches-per-Spectrum Approach Offers a Strategy To Optimize Bottom-Up Proteomics Throughput and Depth. <i>Analytical Chemistry</i> , 2019 , 91, 7273-7279	7.8	7
77	Monolithic Spin Column Extraction in LC-MS Bioanalysis. 2019 , 163-173		
76	Online Extraction and Column Switching Techniques in LC-MS Bioanalysis. 2019 , 31-44		0
75	Well-Defined Materials for High-Performance Chromatographic Separation. 2019 , 12, 451-473		6
74	Monoliths: Synthetic routes, functionalization and innovative analytical applications. 2019 , 115, 39-51		29
73	Chromatographic study of the structural properties of mesoporous silica layers deposited on radially elongated pillars. 2019 , 1595, 58-65		3
72	. 2019 ,		6
71	Monolith columns for liquid chromatographic separations of intact proteins: A review of recent advances and applications. 2019 , 1046, 48-68		43
70	Preparation and characteristic of three-dimensional NiCo alloy/carbon composite monoliths with well-defined macropores and mesostructured skeletons. 2019 , 54, 4719-4731		3
69	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. 2019 , 119, 3674-3729		91
68	Phase separation during bulk polymerization of methyl methacrylate. 2019 , 51, 423-431		5
67	Computational modeling of through-thickness flow and pressure drop characteristics in woven matrix porous media. 2020 , 40, 163-183		1
66	Fabrication of permanent silver cement frit at the inlet of micro-columns: a significant progress toward realization of disposable micro-columns. 2020 , 32, 22-27		
65	Silica-Based Monolithic Columns as a Tool in HPLC-An Overview of Application in Analysis of Active Compounds in Biological Samples. 2020 , 25,		2

64	Orderly MOF-Assembled Hybrid Monolithic Stationary Phases for Nano-Flow HPLC. <i>Analytical Chemistry</i> , 2020 , 92, 15757-15765	7.8	8
63	Monolithic Poly(styrene-divinylbenzene) Columns for Supercritical Fluid Chromatography-Mass Spectrometry Analysis of Polypeptide. <i>Analytical Chemistry</i> , 2020 , 92, 11525-11529	7.8	5
62	Hierarchically porous monoliths prepared via sol-gel process accompanied by spinodal decomposition. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 95, 530-550	2.3	17
61	Temperature-responsive chromatography for bioseparations: A review. 2020 , 1138, 191-212		10
60	Monolithic and core-shell particles stationary phase morphologies in protein analysis; peptide mapping of erythropoietin hormone and determination of carbetocin. 2020 , 78, 206-216		5
59	Stationary Phases*. 2020 , 49-157		
58	Comparison of various modes and phase systems for analytical HPLC. 2020 , 8, 1-91		
57	Variation of meso- and macroporous morphologies in resorcinol-formaldehyde (RF) gels tailored via a sol-gel process combined with soft-templating and phase separation. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 95, 801-812	2.3	3
56	Pore expanding effect of hydrophobic agent on 100 nm-sized mesoporous silica particles estimated based on Hansen solubility parameters. 2021 , 609, 125647		3
55	A review of silicon-based aerogel thermal insulation materials: Performance optimization through composition and microstructure. 2021 , 553, 120517		17
54	Advancements in the preparation and application of monolithic silica columns for efficient separation in liquid chromatography. 2021 , 224, 121777		5
53	Immobilization of Chondroitin Sulfate A onto Monolithic Epoxy Silica Column as a New Chiral Stationary Phase for High-Performance Liquid Chromatographic Enantioseparation. 2021 , 14,		1
52	Synthesis of Bimodal Open-Porous Polystyrene Monoliths with Glycopolymer Surfaces for High-Speed Protein Chromatography. 2021 , 3, 2657-2666		2
51	Sintered Glass Monoliths as Supports for Affinity Columns. <i>Separations</i> , 2021 , 8, 56	3.1	0
50	Overview on liquid chromatography and its greener chemistry application. 2021 , 5, 004-012		0
49	Searching for biosignatures in sedimentary rocks from early Earth and Mars. 2021 , 2, 490-506		2
48	Separation of Inorganic Anions Using an 18-Crown-6-ether-modified Organic Polymer Monolithic Stationary Phase in Capillary Ion Chromatography. 2021 , 37, 845-850		1
47	Affinity monolith chromatography: A review of general principles and recent developments. <i>Electrophoresis</i> , 2021 , 42, 2577-2598	3.6	6

46	Poly(carboxyethyl acrylate-co-ethylene glycol dimethacrylate) precursor monolith with bonded octadecyl ligands for use in reversed-phase capillary electrochromatography. <i>Electrophoresis</i> , 2021 , 42, 2656-2663	3.6	2
45	Chiral Monolithic Silica-Based HPLC Columns for Enantiomeric Separation and Determination: Functionalization of Chiral Selector and Recognition of Selector-Selectand Interaction. 2021 , 26,		0
44	Thermoresponsive interfaces obtained using poly(N-isopropylacrylamide)-based copolymer for bioseparation and tissue engineering applications. <i>Advances in Colloid and Interface Science</i> , 2021 , 295, 102487	14.3	9
43	Synthesis of macroporous silica with nanometer-sized continuous through pores by using denatured collagen as a template. 2021 , 11, 100091		
42	On the identification and quantification of proton-initiated species in the synthesis of poly(2-alkyl-2-oxazoline)s by high resolution liquid chromatography. 2021 , 1653, 462364		0
41	Ligand fishing via a monolithic column coated with white blood cell membranes: A useful technique for screening active compounds in <i>Astractylodes lancea</i> . 2021 , 1656, 462544		1
40	A stationary pseudophase semi-permanent coating for open-tubular capillary liquid chromatography and electrochromatography. 2021 , 1657, 462553		1
39	The Basic Idea and the Drivers. 1-7		1
38	Capillary HPLC. 2006 , 49-63		1
37	High-Throughput Mass Spectrometry for Compound Characterization in Drug Discovery. <i>Topics in Current Chemistry</i> , 2003 , 283-302		5
36	Transfer Phenomena in Chromatography. 2006 , 221-279		1
35	Amine-Functionalized Nanoporous Silica Monoliths for Heterogeneous Catalysis of the Knoevenagel Condensation in Flow. <i>ACS Omega</i> , 2021 , 6, 425-437	3.9	4
34	Monolithic Macroporous Polymers as Chromatographic Matrices. 2009 , 291-334		6
33	Organic Monolith Column Technology for Capillary Liquid Chromatography. <i>Advances in Chromatography</i> , 2012 , 50, 237-80		3
32	UHPLCMS(/MS) Analysis of Pesticides in Food. 2014 , 17-50		1
31	Recent Trends in Fast Liquid Chromatography for Pharmaceutical Analysis. <i>Current Analytical Chemistry</i> , 2019 , 15, 349-372	1.7	5
30	C18 Attached Silica Monolith Microcolumns Made in Stainless Steel Tubing and Their Application in Analysis of Flavonoids in Green Tea Extracts. <i>Bulletin of the Korean Chemical Society</i> , 2004 , 25, 1589-1592	1.2	6
29	Preparation and Characterization of Monolithic Poly(methacrylic acid - ethylene glycol dimethacrylate) Columns for High Performance Liquid Chromatography. <i>Bulletin of the Korean Chemical Society</i> , 2006 , 27, 71-76	1.2	1

- 28 Preparation of Poly(styrene-divinylbenzene) Monolith Frits Encased in Common Polymer Tubing and Their Application in LC. *Bulletin of the Korean Chemical Society*, **2008**, 29, 1627-1629 1.2 9
- 27 High Speed Separation of PFCs in Human Serum by C18-Monolithic Column Liquid Chromatography-Tandem Mass Spectrometry. *Bulletin of the Korean Chemical Society*, **2012**, 33, 3727-3734^{1,2} 3
- 26 The Physicochemical Basis of Chromatography. **2003**, 9-47
- 25 Separation of Polyprenols Using a Monolithic Silica Column in High-Performance Liquid Chromatography. *International Symposium on Eucommia Ulmoides*, **2007**, 1, 97-102
- 24 Chromatography-Based Separation of Proteins, Peptides, and Amino Acids. 1
- 23 Comparison of the Performance of Particle-Packed and Monolithic Columns in High-Performance Liquid Chromatography. 127-156
- 22 Modeling Chromatographic Band Broadening in Monolithic Columns. 105-125
- 21 Microscopic Characterizations. 81-103
- 20 New trends in liquid chromatography and their utilization in analysis of beer and brewery raw materials. Part 1. Theoretical introduction.. *KvasnPrůmysl*, **2012**, 58, 30-35 1.3
- 19 LC Automation??Change History: May 2014. DA Wells updated website URL links and updated manufacturer name changes (Varian was acquired by Agilent; MicroLiter Analytical, Inc., was sold and the sample preparation group was spun off as ITSP Solutions, Inc.; Merck KGaA acquired Millipore to become EMD Millipore. The source of the BioTrap 500 LC column was updated to
- 18 Characterization of the Kinetic Performance of Silica Monolithic Columns for Reversed-Phase Chromatography Separations. *Advances in Chromatography*, **2016**, 109-138 1
- 17 Sol-Gel-Derived Silicate-Based Composite Electrode. **2017**, 1-32
- 16 Monolithic Porous Silica for High Speed HPLC. **2017**, 1-10
- 15 Monolithic Porous Silica for High-Speed HPLC. **2018**, 1939-1948
- 14 Sol-Gel-Derived Silicate-Based Composite Electrode. **2018**, 2663-2694
- 13 Comparative HPLC Study of Isomers of N,N?-2,3-Butylenebis(Trifluoroacetylacetoniminato) Copper(II) and Palladium(II) Chelates Using Silica-Based and Zirconia-Based Stationary Phase. **2019**, 383-399
- 12 New Developments in the Field of Monoliths for Chromatography. **2010**, 23, 689854 2
- 11 Monolithic solids: synthesis and uses in microextraction techniques. **2021**, 393-426

10	Recent Strategies for Using Monolithic Materials in Glycoprotein and Glycopeptide Analysis. <i>Separations</i> , 2022 , 9, 44	3.1	1
9	Efficient Removal of Hg(II) from Water under Mildly Acidic Conditions with Hierarchical SiO ₂ Monoliths Functionalized with -SH Groups.. <i>Materials</i> , 2022 , 15,	3.5	
8	Nanoparticle and bioparticle deposition kinetics.. <i>Advances in Colloid and Interface Science</i> , 2022 , 302, 102630	14.3	1
7	Preparation of a zeolite imidazole skeleton-silica hybrid monolithic column for amino acid analysis via capillary electrochromatography. <i>Electrophoresis</i> ,	3.6	
6	Free-standing and binder-free porous monolithic electrodes prepared via sol-gel processes. <i>Journal of Sol-Gel Science and Technology</i> ,	2.3	
5	Chiral Porous Carbon Surfaces for Enantiospecific Synthesis. <i>Polymers</i> , 2022 , 14, 2765	4.5	
4	Transport diameters of liquid chromatography columns. 2023 , 1687, 463688		0
3	Monolithic stationary phases preparation for use in chromatographic and electromigration techniques: The state-of-the-art. 2023 , 190, 108598		0
2	Trends in monoliths: Packings, stationary phases and nanoparticles. 2023 , 1691, 463819		0
1	Monoliths Media: Stationary Phases and Nanoparticles.		0