

Fused-core, sub-2 μ m packings, and monolithic HP

Journal of Separation Science

32, 2723-2731

DOI: 10.1002/jssc.200900091

Citation Report

#	ARTICLE	IF	CITATIONS
1	New trends in fast and high-resolution liquid chromatography: a critical comparison of existing approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1069-1082.	3.7	257
2	Physical characterization and evaluation of HPLC columns packed with superficially porous particles. <i>Journal of Separation Science</i> , 2010, 33, 2547-2557.	2.5	32
3	Comparison of performance of high-performance liquid chromatography columns packed with superficially and fully porous 2.5 μ m particles using kinetic plots. <i>Journal of Separation Science</i> , 2010, 33, 3655-3665.	2.5	34
4	Perspectives on Recent Advances in the Speed of High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 2011, 83, 1890-1900.	6.5	104
5	Solid core column technology applied to HPLC-FD of paralytic shellfish toxins. <i>Toxicon</i> , 2011, 57, 179-182.	1.6	14
6	Monolithic Silica for Fast HPLC: Current Success and Promising Future. <i>Chromatographia</i> , 2011, 74, 681-691.	1.3	20
7	Fast liquid chromatography combined with mass spectrometry for the analysis of metabolites and proteins in human body fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2635-2644.	3.7	39
8	Reversed-phase liquid chromatographic separation of antiretroviral drugs on a monolithic column using ionic liquids as mobile phase additives. <i>Journal of Separation Science</i> , 2011, 34, 500-507.	2.5	17
9	Narrow-core core-shell particles and monolithic columns in the analysis of silybin diastereoisomers. <i>Journal of Separation Science</i> , 2011, 34, 2206-2213.	2.5	11
10	Evaluation of fused-core and monolithic versus porous silica-based C18 columns and porous graphitic carbon for ion-pairing liquid chromatography analysis of catecholamines and related compounds. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 633-640.	2.3	16
11	DEVELOPMENTS IN FAST LIQUID CHROMATOGRAPHIC ANALYSIS OF PHARMACEUTICALS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 1133-1156.	1.0	11
12	A Brief History of Superficially Porous Particles. <i>Advances in Chromatography</i> , 2012, 50, 281-296.	1.0	4
13	Fused core particles as an alternative to fully porous sub-2 μ m particles in pharmaceutical analysis using coupled columns at elevated temperature. <i>Analytical Methods</i> , 2012, 4, 2735.	2.7	17
14	Stationary phases for packed-column supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2012, 1250, 157-171.	3.7	80
15	One-Pot Synthesis of Spheres-on-Sphere Silica Particles from a Single Precursor for Fast HPLC with Low Back Pressure. <i>Advanced Materials</i> , 2012, 24, 6042-6048.	21.0	52
16	Investigation on synthesis of spheres-on-sphere silica particles and their assessment for high performance liquid chromatography applications. <i>Journal of Chromatography A</i> , 2012, 1270, 194-203.	3.7	30
17	Pre-Validation and Performance Prediction Using Pressure Monitoring to Evaluate HPLC Method Development Changes. <i>Chromatographia</i> , 2012, 75, 441-448.	1.3	1
18	Applications of superficially porous particles: High speed, high efficiency or both?. <i>Journal of Chromatography A</i> , 2012, 1228, 72-88.	3.7	44

#	ARTICLE	IF	CITATIONS
19	New trends in fast liquid chromatography for food and environmental analysis. <i>Journal of Chromatography A</i> , 2012, 1228, 298-323.	3.7	211
20	Analysis of <i>Citrus</i> essential oils: state of the art and future perspectives. A review. <i>Flavour and Fragrance Journal</i> , 2012, 27, 98-123.	2.6	91
23	Silica SOS@HKUST-1 composite microspheres as easily packed stationary phases for fast separation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3276.	10.3	140
24	A critical quality parameter in quantitative fused-core chromatography: The injection volume. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 330-334.	5.3	5
25	New monolithic stir-cake-sorptive extraction for the determination of polar phenols by HPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2185-2193.	3.7	18
26	Coupling ultra high-pressure liquid chromatography with mass spectrometry: Constraints and possible applications. <i>Journal of Chromatography A</i> , 2013, 1292, 2-18.	3.7	129
27	Investigation of carryover of peptides in nano-liquid chromatography/mass spectrometry using packed and monolithic capillary columns. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 912, 56-63.	2.3	33
28	New Advances in Separation Science for Metabolomics: Resolving Chemical Diversity in a Post-Genomic Era. <i>Chemical Reviews</i> , 2013, 113, 2437-2468.	47.7	298
29	Reversed-phase fused-core HPLC modeling of peptides. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 93-101.	5.3	15
30	The science of laboratory and project management in regulated bioanalysis. <i>Bioanalysis</i> , 2014, 6, 1357-1372.	1.5	5
32	Core-shell particles: Preparation, fundamentals and applications in high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1357, 36-52.	3.7	375
33	Monodisperse sphere-on-sphere silica particles for fast HPLC separation of peptides and proteins. <i>Analyst</i> , 2014, 139, 5674-5677.	3.5	13
34	Efficient Separations of Intact Proteins Using Slip-Flow with Nano-Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 1592-1598.	6.5	42
35	Development of Micro-Flow-Controlled Techniques and Novel Stationary Phases in Capillary Liquid Chromatography. <i>Chromatography</i> , 2015, 36, 1-12.	1.7	1
36	Computational investigation of longitudinal diffusion, eddy dispersion, and trans-particle mass transfer in bulk, random packings of core-shell particles with varied shell thickness and shell diffusion coefficient. <i>Journal of Chromatography A</i> , 2015, 1407, 139-156.	3.7	50
37	Monolithic and core-shell columns in comprehensive two-dimensional HPLC: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 139-151.	3.7	47
38	Core-shell particles lead the way to renewing high-performance liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 17-28.	11.4	133
39	Core-Shell Columns in High-Performance Liquid Chromatography: Food Analysis Applications. <i>International Journal of Analytical Chemistry</i> , 2016, 2016, 1-9.	1.0	31

#	ARTICLE	IF	CITATIONS
41	Chromatographic methods enabling the characterization of stationary phases and retention prediction in high-performance liquid chromatography and supercritical fluid chromatography. <i>Journal of Separation Science</i> , 2016, 39, 115-131.	2.5	21
42	Pirkle-type chiral stationary phase on core-shell and fully porous particles: Are superficially porous particles always the better choice toward ultrafast high-performance enantioseparations?. <i>Journal of Chromatography A</i> , 2016, 1466, 96-104.	3.7	71
43	Repeatability of gradient ultrahigh pressure liquid chromatography-tandem mass spectrometry methods in instrument-controlled thermal environments. <i>Journal of Chromatography A</i> , 2016, 1461, 42-50.	3.7	5
44	Characterization of the efficiency of microbore liquid chromatography columns by van Deemter and kinetic plot analysis. <i>Journal of Separation Science</i> , 2016, 39, 3889-3897.	2.5	10
45	Rapid determination of oxindole alkaloids in cat's claw by HPLC using ionic liquid-based microwave-assisted extraction and silica monolithic column. <i>Biomedical Chromatography</i> , 2017, 31, e3925.	1.7	8
46	Theory and Practice of UHPLC and UHPLC-MS. , 2017, , 1-38.		1
47	LC-MS/MS Determination of Catecholamines in Urine Using FMOC-Cl Derivatization on Solid-Phase Extraction Cartridge. <i>Chromatographia</i> , 2018, 81, 1487-1494.	1.3	11
48	Dynamic evaluation of a trilobal capillary-channeled polymer fiber shape for reversed phase protein separations and comparison to the eight-channeled form. <i>Journal of Separation Science</i> , 2018, 41, 1063-1073.	2.5	10
49	Some Applications of Liquid Chromatography-Mass Spectrometry in the Biomedical Field. <i>Comprehensive Analytical Chemistry</i> , 2018, 79, 329-375.	1.3	1
50	Qualitative and Quantitative Analysis of Polyphenols in Lamiaceae Plants-A Review. <i>Plants</i> , 2018, 7, 25.	3.5	61
51	Electrochromatographic behavior of core-shell particles: A comparison study. <i>Analytica Chimica Acta</i> , 2018, 1033, 205-212.	5.4	4
53	Fast, low-pressure chromatographic separation of proteins using hydroxyapatite nanoparticles. <i>Talanta</i> , 2019, 199, 472-477.	5.5	11
54	Ultra-high-performance liquid chromatography-mass spectrometry method for neutrophil gelatinase-associated lipocalin as a predictive biomarker in acute kidney injury. <i>Talanta</i> , 2019, 195, 668-675.	5.5	7
55	Synthesis and optimization of SiO ₂ @SiO ₂ core-shell microspheres by an improved polymerization-induced colloid aggregation method for fast separation of small solutes and proteins. <i>Talanta</i> , 2020, 207, 120310.	5.5	12
56	Present status of hybrid materials for potable water decontamination: a review. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3214-3248.	2.4	19
57	Fundamental to achieving fast separations with high efficiency: A review of chromatography with superficially porous particles. <i>Biomedical Chromatography</i> , 2021, 35, e5087.	1.7	2
58	Como obter maior eficiência com partículas superficialmente porosas em HPLC. <i>Scientia Chromatographica</i> , 2011, 3, 65-87.	0.2	0
59	Transfer of pharmacopoeial liquid chromatography reversed phase methods for determination of related compounds in diclofenac sodium and metamizole sodium from conventional to core-shell column. <i>Makedonsko Farmaceutski Bilten</i> , 2015, 61, 13-18.	0.0	0

#	ARTICLE	IF	CITATIONS
60	Ultra High Efficiency Protein Separations with Submicrometer Silica Using Slip Flow. LC-GC North America, 2012, 30, 890-897.	0.5	3
61	Boosting the enantioresolution of zwitterionic-teicoplanin chiral stationary phases by moving to wide-pore core-shell particles. Journal of Chromatography A, 2022, 1676, 463190.	3.7	6
62	Comparative analysis of trilobal capillaryâ€channeled polymer fiber columns with superficially porous and monolithic phases toward reversedâ€phase protein separations. Journal of Separation Science, 2022, 45, 3811-3826.	2.5	3
63	Performance in (Ultraâ€highâ€performance liquid chromatographyâ€”How to qualify and optimize instruments in practice. Journal of Separation Science, 2023, 46, .	2.5	5
64	Preparation and application of UPLC silica microsphere stationary phase:A review. Advances in Colloid and Interface Science, 2024, 323, 103070.	14.7	0