Frantisek Svec

List of Publications by Year in Descending Order

294 papers	21,605 citations	86 h-index	139 g-index
302 ext. papers	22,545 ext. citations	6.1 avg, IF	7.25 L-index

#	Paper	IF	Citations
294	Current state of supercritical fluid chromatography-mass spectrometry. *TrAC - Trends in Analytical Chemistry*, **2022**, 149, 116544	14.6	4
293	Liquid chromatography method with tandem mass spectrometry and fluorescence detection for determination of inflammatory biomarkers in gingival crevicular fluid as a tool for diagnosis of periodontal disease.. *Journal of Pharmaceutical and Biomedical Analysis*, **2022**, 212, 114644	3.5	1
292	Effect of storage conditions on content of pesticide residues in sweet cherries.. *Food Chemistry: X*, **2022**, 13, 100185	4.7	
291	UHPLC coupled with charged aerosol detector for rapid separation of steviol glycosides in commercial sweeteners and extract of Stevia rebaudiana. *Journal of Pharmaceutical and Biomedical Analysis*, **2022**, 207, 114398	3.5	
290	Non-invasive determination of uric acid in human saliva in the diagnosis of serious disorders. *Clinical Chemistry and Laboratory Medicine*, **2021**, 59, 797-812	5.9	8
289	Recent developments and applications of polymer monolithic stationary phases. *Analytical Science Advances*, **2021**, 2, 250-260	1.1	1
288	Determination of Antiviral Drugs and Their Metabolites Using Micro-Solid Phase Extraction and UHPLC-MS/MS in Reversed-Phase and Hydrophilic Interaction Chromatography Modes. *Molecules*, **2021**, 26,	4.8	2
287	Polymerizable metal-organic frameworks for the preparation of mixed matrix membranes with enhanced interfacial compatibility. *IScience*, **2021**, 24, 102560	6.1	3
286	Sense and Nonsense of Elevated Column Temperature in Proteomic Bottom-up LC-MS Analyses. *Journal of Proteome Research*, **2021**, 20, 420-432	5.6	2
285	The effect of column history in supercritical fluid chromatography: Practical implications. *Journal of Chromatography A*, **2021**, 1651, 462272	4.5	0
284	The role of pKa, log P of analytes, and protein matrix in solid-phase extraction using native and coated nanofibrous and microfibrous polymers prepared via meltblowing and combined meltblowing/electrospinning technologies. *Talanta*, **2021**, 232, 122470	6.2	1
283	Evaluation of strategies for overcoming trifluoroacetic acid ionization suppression resulted in single-column intact level, middle-up, and bottom-up reversed-phase LC-MS analyses of antibody biopharmaceuticals. *Talanta*, **2021**, 233, 122512	6.2	1
282	Chromatographic method for the determination of inflammatory biomarkers and uric acid in human saliva. *Talanta*, **2021**, 233, 122598	6.2	3
281	Application of microextraction in pipette tips in clinical and forensic toxicology. *TrAC - Trends in Analytical Chemistry*, **2021**, 143, 116404	14.6	3
280	Comparison study of nanofibers, composite nano/microfiber materials, molecularly imprinted polymers, and core-shell sorbents used for on-line extraction-liquid chromatography of ochratoxins in Tokaj wines. *Microchemical Journal*, **2021**, 170, 106680	4.8	0
279	Determination of Ochratoxin A and Ochratoxin B in Archived Tokaj Wines (Vintage 1959-2017) Using On-Line Solid Phase Extraction Coupled to Liquid Chromatography. *Toxins*, **2020**, 12,	4.9	5
278	Unambiguous determination of farnesol and tyrosol in vaginal fluid using fast and sensitive UHPLC-MS/MS method. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 6529-6541	4.4	2

277	On-line polydopamine coating as a new way to functionalize polypropylene fiber sorbent for solid phase extraction. *Talanta*, **2020**, 219, 121189	6.2	1
276	Dissolving Peptides in 0.1% Formic Acid Brings Risk of Artificial Formylation. *Journal of Proteome Research*, **2020**, 19, 993-999	5.6	15
275	Nanofibers as advanced sorbents for on-line solid phase extraction in liquid chromatography: A tutorial. *Analytica Chimica Acta*, **2020**, 1121, 83-96	6.6	9
274	Poly-□caprolactone Nanofibrous Polymers: A Simple Alternative to Restricted Access Media for Extraction of Small Molecules from Biological Matrixes. *Analytical Chemistry*, **2020**, 92, 6801-6805	7.8	3
273	Ultra-high performance supercritical fluid chromatography in impurity control II: Method validation. *Analytica Chimica Acta*, **2020**, 1117, 48-59	6.6	6
272	Chromatographic methods development for clinical practice: requirements and limitations. *Clinical Chemistry and Laboratory Medicine*, **2020**, 58, 1785-1793	5.9	1
271	Development of novel liquid chromatography method for clinical monitoring of vitamin B metabolites and B status in the whole blood. *Talanta*, **2020**, 211, 120702	6.2	5
270	Determination of Sudan dyes in chili products by micellar electrokinetic chromatography-MS/MS using a volatile surfactant. *Food Chemistry*, **2020**, 310, 125963	8.5	22
269	3D-Printed Magnetic Stirring Cages for Semidispersive Extraction of Bisphenols from Water Using Polymer Micro- and Nanofibers. *Analytical Chemistry*, **2020**, 92, 3964-3971	7.8	10
268	Monolithic Poly(styrene--divinylbenzene) Columns for Supercritical Fluid Chromatography-Mass Spectrometry Analysis of Polypeptide. *Analytical Chemistry*, **2020**, 92, 11525-11529	7.8	5
267	Novel nanofibrous sorbents for the extraction and determination of resveratrol in wine. *Talanta*, **2020**, 206, 120181	6.2	6
266	Polycaprolactone nanofibers functionalized with a´dopamine coating for on-line solid phase extraction of bisphenols, betablockers, nonsteroidal drugs, and phenolic acids. *Mikrochimica Acta*, **2019**, 186, 710	5.8	12
265	In-situ growth of highly permeable zeolite imidazolate framework membranes on porous polymer substrate using metal chelated polyaniline as interface layer. *Journal of Membrane Science*, **2019**, 576, 1-8	9.6	17
264	Fast determination of omeprazole in extemporaneous suspensions used in paediatrics and stability studies. *Analytical Methods*, **2019**, 11, 517-523	3.2	2
263	Screening of extraction properties of nanofibers in a sequential injection analysis system using a 3D printed device. *Talanta*, **2019**, 197, 517-521	6.2	7
262	Fully automated method based on on-line molecularly imprinted polymer solid-phase extraction for determination of lovastatin in dietary supplements containing red yeast rice. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 1219-1228	4.4	6
261	Reversible Two-Enzyme Coimmobilization on pH-Responsive Imprinted Monolith for Glucose Detection. *Biotechnology Journal*, **2019**, 14, e1900028	5.6	3
260	The Benefits of Ultra-High-Performance Supercritical Fluid Chromatography in Determination of Lipophilic Vitamins in Dietary Supplements. *Chromatographia*, **2019**, 82, 477-487	2.1	8

259	Automated continuous-flow in-syringe dispersive liquid-liquid microextraction of mono-nitrophenols from large sample volumes using a novel approach to multivariate spectral analysis. *Talanta*, **2019**, 202, 11-20	6.2	8
258	In situ bottom‐up growth of metal–organic frameworks in a crosslinked poly(ethylene oxide) layer with ultrahigh loading and superior uniform distribution. *Journal of Materials Chemistry A*, **2019**, 7, 20293-20301	11	16
257	Determination of urinary retinol and creatinine as an early sensitive marker of renal dysfunction. *Journal of Chromatography A*, **2019**, 1607, 460390	4.5	3
256	Engineering of the Filler/Polymer Interface in Metal-Organic Framework-Based Mixed-Matrix Membranes to Enhance Gas Separation. *Chemistry - an Asian Journal*, **2019**, 14, 3502-3514	4.5	44
255	Use of thiol functionalities for the preparation of porous monolithic structures and modulation of their surface chemistry: A review. *TrAC - Trends in Analytical Chemistry*, **2019**, 118, 606-624	14.6	10
254	Hierarchical Micro- and Mesoporous Zn-Based Metal-Organic Frameworks Templated by Hydrogels: Their Use for Enzyme Immobilization and Catalysis of Knoevenagel Reaction. *Small*, **2019**, 15, e1902927	11	63
253	Preparation of citrinin-selective molecularly imprinted polymer and its use for on-line solid-phase extraction coupled to liquid chromatography. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 2395-2404	4.4	10
252	Which Chromatographia Papers Have Influenced My Favorite Field: Monolithic Columns. *Chromatographia*, **2019**, 82, 5-6	2.1	
251	Electrospun nanofiber polymers as extraction phases in analytical chemistry—The advances of the last decade. *TrAC - Trends in Analytical Chemistry*, **2019**, 110, 81-96	14.6	25
250	Recent developments in supercritical fluid chromatography—mass spectrometry: Is it a viable option for analysis of complex samples?. *TrAC - Trends in Analytical Chemistry*, **2019**, 112, 212-225	14.6	54
249	Current state of bioanalytical chromatography in clinical analysis. *Analyst, The*, **2018**, 143, 1305-1325	5	30
248	Comparison of commercial organic polymer-based and silica-based monolithic columns using mixtures of analytes differing in size and chemistry. *Journal of Separation Science*, **2018**, 41, 1558-1566	3.4	9
247	Mixed Matrix Membrane Based on Cross-Linked Poly[(ethylene glycol) methacrylate] and Metal–Organic Framework for Efficient Separation of Carbon Dioxide and Methane. *ACS Applied Nano Materials*, **2018**, 1, 2808-2818	5.6	34
246	Nanofiber polymers as novel sorbents for on-line solid phase extraction in chromatographic system: A comparison with monolithic reversed phase C18 sorbent. *Analytica Chimica Acta*, **2018**, 1018, 26-34	6.6	19
245	Simultaneous determination of quercetin and its metabolites in rat plasma by using ultra-high performance liquid chromatography tandem mass spectrometry. *Talanta*, **2018**, 185, 71-79	6.2	18
244	Ultra-high performance supercritical fluid chromatography in impurity control: Searching for generic screening approach. *Analytica Chimica Acta*, **2018**, 1039, 149-161	6.6	7
243	"Single-pot" approach towards the preparation of alkyl and polyfluoroalkyl organo-silica monolithic capillaries for reversed-phase liquid chromatography. *Journal of Separation Science*, **2018**, 41, 3669-3676	3.4	2
242	A comparison study of nanofiber, microfiber, and new composite nano/microfiber polymers used as sorbents for on-line solid phase extraction in chromatography system. *Analytica Chimica Acta*, **2018**, 1023, 44-52	6.6	28

241	Preparation and applications of monolithic structures containing metal-organic frameworks. *Journal of Separation Science*, **2017**, 40, 272-287	3.4	47
240	Advances in organic polymer-based monolithic column technology for high-resolution liquid chromatography-mass spectrometry profiling of antibodies, intact proteins, oligonucleotides, and peptides. *Journal of Chromatography A*, **2017**, 1498, 8-21	4.5	53
239	Morphological Properties of Methacrylate-Based Polymer Monoliths: From Gel Porosity to Macroscopic Inhomogeneities. *Langmuir*, **2017**, 33, 2205-2214	4	17
238	Monolithic stationary phases with a longitudinal gradient of porosity. *Journal of Separation Science*, **2017**, 40, 1703-1709	3.4	6
237	Porous monoliths for on-line sample preparation: A review. *Analytica Chimica Acta*, **2017**, 964, 24-44	6.6	111
236	Magnetic metal□rganic frameworks as scaffolds for spatial co-location and positional assembly of multi-enzyme systems enabling enhanced cascade biocatalysis. *RSC Advances*, **2017**, 7, 21205-21213	3.7	51
235	Monolithic columns: A historical overview. *Electrophoresis*, **2017**, 38, 2810-2820	3.6	33
234	Nanoparticle-Directed Metal-Organic Framework/Porous Organic Polymer Monolithic Supports for Flow-Based Applications. *ACS Applied Materials & Interfaces*, **2017**, 9, 1728-1736	9.5	30
233	Incorporation of zeolitic imidazolate framework (ZIF-8)-derived nanoporous carbons in methacrylate polymeric monoliths for capillary electrochromatography. *Talanta*, **2017**, 164, 348-354	6.2	30
232	Porous Monolithic Layers and Mass Spectrometry **2017**, 141-178		3
231	Polymer-based monolithic column with incorporated chiral metal-organic framework for enantioseparation of methyl phenyl sulfoxide using nano-liquid chromatography. *Journal of Separation Science*, **2016**, 39, 4544-4548	3.4	27
230	Layer-by-Layer Assembly of Metal-Organic Frameworks in Macroporous Polymer Monolith and Their Use for Enzyme Immobilization. *Macromolecular Rapid Communications*, **2016**, 37, 551-7	4.8	48
229	Molecularly imprinted plasmonic nanosensor for selective SERS detection of protein biomarkers. *Biosensors and Bioelectronics*, **2016**, 80, 433-441	11.8	59
228	Magnetic AuNP@Fe 3 O 4 nanoparticles as reusable carriers for reversible enzyme immobilization. *Chemical Engineering Journal*, **2016**, 286, 272-281	14.7	85
227	Advantage of nanoporous styrene-based monolithic structure over beads when applied for methane storage. *Applied Energy*, **2016**, 183, 1520-1527	10.7	14
226	"Smart" molecularly imprinted monoliths for the selective capture and easy release of proteins. *Journal of Separation Science*, **2016**, 39, 3267-73	3.4	22
225	Nanoporous hypercrosslinked polymers containing Tg enhancing comonomers. *Polymer*, **2015**, 59, 42-48	3.9	16
224	Tuning preparation conditions towards optimized separation performance of thermally polymerized organo-silica monolithic columns in capillary liquid chromatography. *Journal of Chromatography A*, **2015**, 1408, 101-7	4.5	11

223	Nanoporous Polymers from Cross-Linked Polymer Precursors viatert-Butyl Group Deprotection and Their Carbon Dioxide Capture Properties. *Chemistry of Materials*, **2015**, 27, 7388-7394	9.6	39
222	Planar monolithic porous polymer layers functionalized with gold nanoparticles as large-area substrates for sensitive surface-enhanced Raman scattering sensing of bacteria. *Analytica Chimica Acta*, **2015**, 896, 111-9	6.6	18
221	Advances and recent trends in the field of monolithic columns for chromatography. *Analytical Chemistry*, **2015**, 87, 250-73	7.8	268
220	Preparation of Highly Porous Coordination Polymer Coatings on Macroporous Polymer Monoliths for Enhanced Enrichment of Phosphopeptides. *Journal of Visualized Experiments*, **2015**, e52926	1.6	2
219	Assessing structural correlations and heterogeneity length scales in functional porous polymers from physical reconstructions. *Advanced Materials*, **2015**, 27, 6009-13	24	15
218	Porous polymer monolithic columns with gold nanoparticles as an intermediate ligand for the separation of proteins in reverse phase-ion exchange mixed mode. *Journal of Advanced Research*, **2015**, 6, 441-8	13	39
217	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. *Polymer*, **2014**, 55, 340-346	3.9	70
216	Functionalized high performance polymer membranes for separation of carbon dioxide and methane. *Journal of Materials Chemistry A*, **2014**, 2, 600-604	13	10
215	Preparation of reusable bioreactors using reversible immobilization of enzyme on monolithic porous polymer support with attached gold nanoparticles. *Biotechnology and Bioengineering*, **2014**, 111, 50-8	4.9	44
214	Silver-coated monolithic columns for separation in radiopharmaceutical applications. *Journal of Separation Science*, **2014**, 37, 798-802	3.4	25
213	Finite-size effects in the 3D reconstruction and morphological analysis of porous polymers. *Materials Today*, **2014**, 17, 404-411	21.8	41
212	Growth of a Highly Porous Coordination Polymer on a Macroporous Polymer Monolith Support for Enhanced Immobilized Metal Ion Affinity Chromatographic Enrichment of Phosphopeptides. *Advanced Functional Materials*, **2014**, 24, 5790-5797	15.6	54
211	Porous polymer-based monolithic layers enabling pH triggered switching between superhydrophobic and superhydrophilic properties. *Chemical Communications*, **2014**, 50, 13809-12	5.8	16
210	Polymer monoliths with chelating functionalities for solid phase extraction of metal ions from water. *Journal of Chromatography A*, **2014**, 1343, 128-34	4.5	37
209	Nanostructured porous polymer monolithic columns for capillary liquid chromatography of peptides. *Journal of Chromatography A*, **2014**, 1374, 171-179	4.5	28
208	Porous polymer monoliths with large surface area and functional groups prepared via copolymerization of protected functional monomers and hypercrosslinking. *Journal of Chromatography A*, **2013**, 1317, 32-8	4.5	35
207	Preparation of porous styrenics-based monolithic layers for thin layer chromatography coupled with matrix-assisted laser-desorption/ionization time-of-flight mass spectrometric detection. *Journal of Chromatography A*, **2013**, 1316, 154-9	4.5	39
206	Photopolymerized organo-silica hybrid monolithic columns: characterization of their performance in capillary liquid chromatography. *Journal of Separation Science*, **2013**, 36, 270-8	3.4	18

205	Molecular imprinting of proteins in polymers attached to the surface of nanomaterials for selective recognition of biomacromolecules. *Biotechnology Advances*, **2013**, 31, 1172-86	17.8	192
204	A monolithic lipase reactor for biodiesel production by transesterification of triacylglycerides into fatty acid methyl esters. *Biotechnology and Bioengineering*, **2012**, 109, 371-80	4.9	34
203	Reconstruction and characterization of a polymer-based monolithic stationary phase using serial block-face scanning electron microscopy. *Langmuir*, **2012**, 28, 16733-7	4	46
202	Hypercrosslinked large surface area porous polymer monoliths for hydrophilic interaction liquid chromatography of small molecules featuring zwitterionic functionalities attached to gold nanoparticles held in layered structure. *Analytical Chemistry*, **2012**, 84, 8457-60	7.8	94
201	Functionalized polyaniline-based composite membranes with vastly improved performance for separation of carbon dioxide from methane. *Journal of Membrane Science*, **2012**, 423-424, 514-521	9.6	44
200	Preparation of porous polymer monoliths featuring enhanced surface coverage with gold nanoparticles. *Journal of Chromatography A*, **2012**, 1261, 121-8	4.5	110
199	Effect of reaction conditions on film morphology of polyaniline composite membranes for gas separation. *Journal of Polymer Science Part A*, **2012**, 50, 3077-3085	2.5	19
198	"Thiol-ene" click chemistry: a facile and versatile route for the functionalization of porous polymer monoliths. *Analyst, The*, **2012**, 137, 4114-8	5	74
197	Less common applications of monoliths: V. Monolithic scaffolds modified with nanostructures for chromatographic separations and tissue engineering. *Journal of Separation Science*, **2012**, 35, 1266-83	3.4	31
196	Effect of ion adsorption on CEC separation of small molecules using hypercrosslinked porous polymer monolithic capillary columns. *Journal of Separation Science*, **2012**, 35, 1502-5	3.4	12
195	Quest for organic polymer-based monolithic columns affording enhanced efficiency in high performance liquid chromatography separations of small molecules in isocratic mode. *Journal of Chromatography A*, **2012**, 1228, 250-62	4.5	139
194	Porous polymer monoliths functionalized through copolymerization of a C60 fullerene-containing methacrylate monomer for highly efficient separations of small molecules. *Analytical Chemistry*, **2011**, 83, 9478-84	7.8	93
193	Monolithic polymer layer with gradient of hydrophobicity for separation of peptides using two-dimensional thin layer chromatography and MALDI-TOF-MS detection. *Journal of Separation Science*, **2011**, 34, 2345-51	3.4	34
192	Incorporation of carbon nanotubes in porous polymer monolithic capillary columns to enhance the chromatographic separation of small molecules. *Journal of Chromatography A*, **2011**, 1218, 2546-52	4.5	165
191	Remotely detected NMR for the characterization of flow and fast chromatographic separations using organic polymer monoliths. *Analytical Chemistry*, **2011**, 83, 6004-10	7.8	21
190	Control of selectivity via nanochemistry: monolithic capillary column containing hydroxyapatite nanoparticles for separation of proteins and enrichment of phosphopeptides. *Analytical Chemistry*, **2010**, 82, 8335-41	7.8	132
189	Monolithic superhydrophobic polymer layer with photopatterned virtual channel for the separation of peptides using two-dimensional thin layer chromatography-desorption electrospray ionization mass spectrometry. *Analytical Chemistry*, **2010**, 82, 2520-8	7.8	65
188	Polymer monoliths with exchangeable chemistries: use of gold nanoparticles as intermediate ligands for capillary columns with varying surface functionalities. *Analytical Chemistry*, **2010**, 82, 7416-21	7.8	138

187	Efficient separation of small molecules using a large surface area hypercrosslinked monolithic polymer capillary column. *Analytical Chemistry*, **2010**, 82, 1621-3	7.8	136
186	Separation of peptides and oligonucleotides using a monolithic polymer layer and pressurized planar electrophoresis and electrochromatography. *Analytical Chemistry*, **2010**, 82, 3445-8	7.8	32
185	SURFACE MODIFICATION OF SILICA-BASED MONOLITH WITH POLY(PENTAFLUOROPROPYL METHACRYLATE) USING SINGLE STEP PHOTOGRAFTING. *Journal of Liquid Chromatography and Related Technologies*, **2010**, 33, 1640-1648	1.3	10
184	Porous polymer monolithic column with surface-bound gold nanoparticles for the capture and separation of cysteine-containing peptides. *Analytical Chemistry*, **2010**, 82, 3352-8	7.8	183
183	Porous polymer monoliths: amazingly wide variety of techniques enabling their preparation. *Journal of Chromatography A*, **2010**, 1217, 902-24	4.5	499
182	Hypercrosslinking: new approach to porous polymer monolithic capillary columns with large surface area for the highly efficient separation of small molecules. *Journal of Chromatography A*, **2010**, 1217, 8212-21	4.5	139
181	New Developments in the Field of Monoliths for Chromatography **2010**, 23, 689854		2
180	Porous polymer coatings: a versatile approach to superhydrophobic surfaces. *Advanced Functional Materials*, **2009**, 19, 1993-1998	15.6	282
179	CEC: selected developments that caught my eye since the year 2000. *Electrophoresis*, **2009**, 30 Suppl 1, S68-82	3.6	43
178	Application of MEKC and monolithic CEC for the analysis of bioactive naphthoquinones in Eleutherine americana. *Electrophoresis*, **2009**, 30, 3757-63	3.6	8
177	In-column preparation of a brush-type chiral stationary phase using click chemistry and a silica monolith. *Journal of Separation Science*, **2009**, 32, 21-8	3.4	41
176	My favorite materials: porous polymer monoliths. *Journal of Separation Science*, **2009**, 32, 3-9	3.4	30
175	Less common applications of monoliths: IV. Recent developments in immobilized enzyme reactors for proteomics and biotechnology. *Journal of Separation Science*, **2009**, 32, 706-18	3.4	119
174	Nanoporous polymers for hydrogen storage. *Small*, **2009**, 5, 1098-111	11	333
173	Effect of capillary cross-section geometry and size on the separation of proteins in gradient mode using monolithic poly(butyl methacrylate-co-ethylene dimethacrylate) columns. *Journal of Chromatography A*, **2009**, 1216, 2355-61	4.5	46
172	Multidimensional system enabling deglycosylation of proteins using a capillary reactor with peptide-N-glycosidase F immobilized on a porous polymer monolith and hydrophilic interaction liquid chromatography-mass spectrometry of glycans. *Journal of Chromatography A*, **2009**, 1216, 3252-9	4.5	55
171	High binding capacity surface grafted monolithic columns for cation exchange chromatography of proteins and peptides. *Journal of Chromatography A*, **2009**, 1216, 6824-30	4.5	45
170	Highly efficient enzyme reactors containing trypsin and endoproteinase LysC immobilized on porous polymer monolith coupled to MS suitable for analysis of antibodies. *Analytical Chemistry*, **2009**, 81, 2004-12	7.8	150

169	Downscaling limits and confinement effects in the miniaturization of porous polymer monoliths in narrow bore capillaries. *Analytical Chemistry*, **2009**, 81, 7390-6	7.8	52
168	Light-actuated high pressure-resisting microvalve for on-chip flow control based on thermo-responsive nanostructured polymer. *Lab on A Chip*, **2008**, 8, 1198-204	7.2	81
167	Preparation of Size-Selective Nanoporous Polymer Networks of Aromatic Rings: Potential Adsorbents for Hydrogen Storage. *Chemistry of Materials*, **2008**, 20, 7069-7076	9.6	186
166	Stellan Hjertén's contribution to the development of monolithic stationary phases. *Electrophoresis*, **2008**, 29, 1593-603	3.6	18
165	CEC separation of peptides using a poly(hexyl acrylate-co-1,4-butanediol diacrylate-co-[2-(acryloyloxy)ethyl]trimethyl ammonium chloride) monolithic column. *Electrophoresis*, **2008**, 29, 3875-86	3.6	30
164	Less common applications of monoliths. III. Gas chromatography. *Journal of Chromatography A*, **2008**, 1184, 281-95	4.5	84
163	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. *Journal of Chromatography A*, **2008**, 1188, 88-96	4.5	57
162	Monolithic porous polymer stationary phases in polyimide chips for the fast high-performance liquid chromatography separation of proteins and peptides. *Journal of Chromatography A*, **2008**, 1200, 55-61	4.5	96
161	Hypercrosslinked polyanilines with nanoporous structure and high surface area: potential adsorbents for hydrogen storage. *Journal of Materials Chemistry*, **2007**, 17, 4989		263
160	Recent advances in the control of morphology and surface chemistry of porous polymer-based monolithic stationary phases and their application in CEC. *Electrophoresis*, **2007**, 28, 137-47	3.6	140
159	Controlling the surface chemistry and chromatographic properties of methacrylate-ester-based monolithic capillary columns via photografting. *Journal of Separation Science*, **2007**, 30, 407-13	3.4	76
158	Hydrophilic surface modification of cyclic olefin copolymer microfluidic chips using sequential photografting. *Journal of Separation Science*, **2007**, 30, 1088-93	3.4	72
157	Optimization of the porous structure and polarity of polymethacrylate-based monolithic capillary columns for the LC-MS separation of enzymatic digests. *Journal of Separation Science*, **2007**, 30, 2814-20	3.4	67
156	Stability and repeatability of capillary columns based on porous monoliths of poly(butyl methacrylate-co-ethylene dimethacrylate). *Journal of Chromatography A*, **2007**, 1140, 140-6	4.5	104
155	Poly(2-hydroxyethyl acrylate-co-ethyleneglycol dimethacrylate) monoliths synthesized by radiation polymerization in a mold. *Polymer*, **2007**, 48, 3033-3040	3.9	30
154	Monolithic porous polymer layer for the separation of peptides and proteins using thin-layer chromatography coupled with MALDI-TOF-MS. *Analytical Chemistry*, **2007**, 79, 486-93	7.8	76
153	Photopatterning enzymes on polymer monoliths in microfluidic devices for steady-state kinetic analysis and spatially separated multi-enzyme reactions. *Analytical Chemistry*, **2007**, 79, 6592-8	7.8	124
152	Less common applications of monoliths: I. Microscale protein mapping with proteolytic enzymes immobilized on monolithic supports. *Electrophoresis*, **2006**, 27, 947-61	3.6	132

151	Open-tubular capillary columns with a porous layer of monolithic polymer for highly efficient and fast separations in electrochromatography. *Electrophoresis*, **2006**, 27, 4249-56	3.6	79
150	Polymer-based monolithic microcolumns for hydrophobic interaction chromatography of proteins. *Journal of Separation Science*, **2006**, 29, 25-32	3.4	57
149	Monolithic materials: Promises, challenges, achievements. *Analytical Chemistry*, **2006**, 78, 2101-7	7.8	327
148	High Surface Area Nanoporous Polymers for Reversible Hydrogen Storage. *Chemistry of Materials*, **2006**, 18, 4430-4435	9.6	295
147	Patternable Protein Resistant Surfaces for Multifunctional Microfluidic Devices via Surface Hydrophilization of Porous Polymer Monoliths Using Photografting. *Chemistry of Materials*, **2006**, 18, 5950-5957	9.6	114
146	Less common applications of monoliths: preconcentration and solid-phase extraction. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2006**, 841, 52-64	3.2	184
145	"Click chemistry" in the preparation of porous polymer-based particulate stationary phases for mu-HPLC separation of peptides and proteins. *Analytical Chemistry*, **2006**, 78, 4969-75	7.8	136
144	Control of pore formation in macroporous polymers synthesized by single-step □radiation-initiated polymerization and cross-linking. *Polymer*, **2005**, 46, 2862-2871	3.9	74
143	Recent developments in the field of monolithic stationary phases for capillary electrochromatography. *Journal of Separation Science*, **2005**, 28, 729-45	3.4	198
142	Methacrylate-based chromatographic media. *Journal of Separation Science*, **2005**, 28, 1855-75	3.4	81
141	Porous monoliths: stationary phases of choice for high performance liquid chromatography in various formats. *Chinese Journal of Chromatography (Se Pu)*, **2005**, 23, 585-94	0.2	3
140	Development and application of polymeric monolithic stationary phases for capillary electrochromatography. *Journal of Chromatography A*, **2004**, 1044, 3-22	4.5	203
139	Porous polymer monolith for surface-enhanced laser desorption/ionization time-of-flight mass spectrometry of small molecules. *Rapid Communications in Mass Spectrometry*, **2004**, 18, 1504-12	2.2	49
138	Preparation and HPLC applications of rigid macroporous organic polymer monoliths. *Journal of Separation Science*, **2004**, 27, 747-66	3.4	214
137	Organic polymer monoliths as stationary phases for capillary HPLC. *Journal of Separation Science*, **2004**, 27, 1419-30	3.4	170
136	Monolithic columns with a gradient of functionalities prepared via photoinitiated grafting for separations using capillary electrochromatography. *Journal of Separation Science*, **2004**, 27, 779-88	3.4	71
135	Csaba Horv□th's contribution to the theory and practice of capillary electrochromatography. *Journal of Separation Science*, **2004**, 27, 1255-72	3.4	14
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