

Peter J Schoenmakers

List of Publications by Year in descending order

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237
papers

9,047
citations

36303

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h-index

58581

82
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249
all docs

249
docs citations

249
times ranked

4636
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing different light-degradation approaches for the degradation of crystal violet and eosin Y. <i>Dyes and Pigments</i> , 2022, 197, 109882.	3.7	8
2	Field-flow fractionation for molecular-interaction studies of labile and complex systems: A critical review. <i>Analytica Chimica Acta</i> , 2022, 1193, 339396.	5.4	22
3	Fabrication of monolithic frits and columns for chip-based multidimensional separation devices. <i>Journal of Separation Science</i> , 2022, , .	2.5	3
4	Critical comparison of background correction algorithms used in chromatography. <i>Analytica Chimica Acta</i> , 2022, 1201, 339605.	5.4	7
5	Improving retention-time prediction in supercritical-fluid chromatography by multivariate modelling. <i>Journal of Chromatography A</i> , 2022, 1668, 462909.	3.7	4
6	Co-Polymer sequence determination over the molar mass distribution by size-exclusion chromatography combined with pyrolysis - gas chromatography. <i>Journal of Chromatography A</i> , 2022, 1670, 462973.	3.7	8
7	Reducing the influence of geometry-induced gradient deformation in liquid chromatographic retention modelling. <i>Journal of Chromatography A</i> , 2021, 1635, 461714.	3.7	14
8	Asymmetrical flow field-flow fractionation to probe the dynamic association equilibria of Î²-D-galactosidase. <i>Journal of Chromatography A</i> , 2021, 1635, 461719.	3.7	6
9	Recent applications of retention modelling in liquid chromatography. <i>Journal of Separation Science</i> , 2021, 44, 88-114.	2.5	57
10	Peak-tracking algorithm for use in comprehensive two-dimensional liquid chromatography â€“ Application to monoclonal-antibody peptides. <i>Journal of Chromatography A</i> , 2021, 1639, 461922.	3.7	10
11	Latest Trends on the Future of Three-Dimensional Separations in Chromatography. <i>Chemical Reviews</i> , 2021, 121, 12016-12034.	47.7	35
12	Development of comprehensive two-dimensional low-flow liquid-chromatography setup coupled to high-resolution mass spectrometry for shotgun proteomics. <i>Analytica Chimica Acta</i> , 2021, 1156, 338349.	5.4	29
13	Charge-Based Separation of Acid-Functional Polymers by Non-aqueous Capillary Electrophoresis Employing Deprotonation and Heteroconjugation Approaches. <i>Analytical Chemistry</i> , 2021, 93, 5924-5930.	6.5	5
14	Spotting isomer mixtures in forensic illicit drug casework with GCâ€“VUV using automated coelution detection and spectral deconvolution. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1173, 122675.	2.3	19
15	Thermal modulation to enhance two-dimensional liquid chromatography separations of polymers. <i>Journal of Chromatography A</i> , 2021, 1653, 462429.	3.7	9
16	Immobilized-enzyme reactors integrated into analytical platforms: Recent advances and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 144, 116419.	11.4	23
17	Measuring and using scanning-gradient data for use in method optimization for liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1636, 461780.	3.7	22
18	Fast determination of functionality-typeâ€“ molecular-weight distribution of propoxylates with varying numbers of hydroxyl end-groups using gradientâ€“normal-phase liquid chromatographyâ€“ ultra-high pressure size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2021, 1659, 462644.	3.7	4

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19	A compound post-column re-focusing approach in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2021, 1660, 462642.	3.7	0
20	Poly(acrylamide-co-N,N ² -methylenebisacrylamide) Monoliths for High-Peak-Capacity Hydrophilic-Interaction Chromatography ² High-Resolution Mass Spectrometry of Intact Proteins at Low Trifluoroacetic Acid Content. <i>Analytical Chemistry</i> , 2021, 93, 16000-16007.	6.5	5
21	Multichannel separation device with parallel electrochemical detection. <i>Journal of Chromatography A</i> , 2020, 1610, 460537.	3.7	6
22	Accurate modelling of the retention behaviour of peptides in gradient-elution hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1614, 460650.	3.7	19
23	Confinement of Monolithic Stationary Phases in Targeted Regions of 3D-Printed Titanium Devices Using Thermal Polymerization. <i>Analytical Chemistry</i> , 2020, 92, 2589-2596.	6.5	14
24	Optimizing design and employing permeability differences to achieve flow confinement in devices for spatial multidimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1612, 460665.	3.7	8
25	Living with Breakthrough: Two-Dimensional Liquid-Chromatography Separations of a Water-Soluble Synthetically Grafted Bio-Polymer. <i>Separations</i> , 2020, 7, 41.	2.4	6
26	Fabrication of polymer monoliths within the confines of non-transparent 3D-printed polymer housings. <i>Journal of Chromatography A</i> , 2020, 1623, 461159.	3.7	15
27	Charge-based separation of synthetic macromolecules by non-aqueous ion exchange chromatography. <i>Journal of Chromatography A</i> , 2020, 1626, 461351.	3.7	7
28	Recent applications of chemometrics in one ¹ and two ² dimensional chromatography. <i>Journal of Separation Science</i> , 2020, 43, 1678-1727.	2.5	42
29	Emerging techniques for the detection of pyrotechnic residues from seized postal packages containing fireworks. <i>Forensic Science International</i> , 2020, 308, 110160.	2.2	12
30	Distinguishing drug isomers in the forensic laboratory: GC ¹ VUV in addition to GC ¹ MS for orthogonal selectivity and the use of library match scores as a new source of information. <i>Forensic Science International</i> , 2019, 302, 109900.	2.2	40
31	Freeze-thaw valves as a flow control mechanism in spatially complex 3D-printed fluidic devices. <i>Chemical Engineering Science</i> , 2019, 207, 1040-1048.	3.8	12
32	Rapid forensic chemical classification of confiscated flash banger fireworks using capillary electrophoresis. <i>Forensic Chemistry</i> , 2019, 16, 100187.	2.8	2
33	Mapping degradation pathways of natural and synthetic dyes with LC-MS: Influence of solvent on degradation mechanisms. <i>Journal of Cultural Heritage</i> , 2019, 38, 29-36.	3.3	29
34	Perspectives on the future of multi-dimensional platforms. <i>Faraday Discussions</i> , 2019, 218, 72-100.	3.2	17
35	Heterogeneity analysis of polymeric carboxylic acid functionality by selective derivatization followed by size exclusion chromatography. <i>Analytica Chimica Acta</i> , 2019, 1072, 87-94.	5.4	6
36	Experimental and numerical study of band-broadening effects associated with analyte transfer in microfluidic devices for spatial two-dimensional liquid chromatography created by additive manufacturing. <i>Journal of Chromatography A</i> , 2019, 1598, 77-84.	3.7	12

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37	Analysis of charged acrylic particles by on-line comprehensive two-dimensional liquid chromatography and automated data-processing. <i>Analytica Chimica Acta</i> , 2019, 1054, 184-192.	5.4	14
38	On-line microfluidic immobilized-enzyme reactors: A new tool for characterizing synthetic polymers. <i>Analytica Chimica Acta</i> , 2019, 1053, 62-69.	5.4	20
39	Characterization of Dye Extracts from Historical Cultural-Heritage Objects Using State-of-the-Art Comprehensive Two-Dimensional Liquid Chromatography and Mass Spectrometry with Active Modulation and Optimized Shifting Gradients. <i>Analytical Chemistry</i> , 2019, 91, 3062-3069.	6.5	38
40	Recent Developments in Two-Dimensional Liquid Chromatography: Fundamental Improvements for Practical Applications. <i>Analytical Chemistry</i> , 2019, 91, 240-263.	6.5	251
41	Enhancing detectability of anabolic-steroid residues in bovine urine by actively modulated online comprehensive two-dimensional liquid chromatography " high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1013, 87-97.	5.4	31
42	Optimizing separations in online comprehensive two-dimensional liquid chromatography. <i>Journal of Separation Science</i> , 2018, 41, 68-98.	2.5	176
43	Peak-Tracking Algorithm for Use in Automated Interpretive Method-Development Tools in Liquid Chromatography. <i>Analytical Chemistry</i> , 2018, 90, 14011-14019.	6.5	18
44	Two-dimensional insertable separation tool (TWIST) for flow confinement in spatial separations. <i>Journal of Chromatography A</i> , 2018, 1577, 120-123.	3.7	18
45	Acid monomer analysis in waterborne polymer systems by targeted labeling of carboxylic acid functionality, followed by pyrolysis " gas chromatography. <i>Journal of Chromatography A</i> , 2018, 1560, 63-70.	3.7	5
46	Comprehensive two-dimensional liquid chromatography of heavy oil. <i>Journal of Chromatography A</i> , 2018, 1564, 110-119.	3.7	23
47	Characterization of complex polyether polyols using comprehensive two-dimensional liquid chromatography hyphenated to high-resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1569, 128-138.	3.7	35
48	Multicomponent characterization and differentiation of flash bangers " Part I: Sample collection and visual examination. <i>Forensic Science International</i> , 2018, 290, 327-335.	2.2	6
49	Multicomponent characterization and differentiation of flash bangers " Part II: Elemental profiling of plastic caps. <i>Forensic Science International</i> , 2018, 290, 336-348.	2.2	10
50	Decreasing the uncertainty of peak assignments for the analysis of synthetic cathinones using multi-dimensional ultra-high performance liquid chromatography. <i>Analytical Methods</i> , 2018, 10, 3178-3187.	2.7	9
51	A cyclic-olefin-copolymer microfluidic immobilized-enzyme reactor for rapid digestion of proteins from dried blood spots. <i>Journal of Chromatography A</i> , 2017, 1491, 36-42.	3.7	22
52	Untargeted Comprehensive Two-Dimensional Liquid Chromatography Coupled with High-Resolution Mass Spectrometry Analysis of Rice Metabolome Using Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 2017, 89, 7675-7683.	6.5	72
53	Size-exclusion chromatography using core-shell particles. <i>Journal of Chromatography A</i> , 2017, 1486, 96-102.	3.7	21
54	Nanoparticle Analysis by Online Comprehensive Two-Dimensional Liquid Chromatography combining Hydrodynamic Chromatography and Size-Exclusion Chromatography with Intermediate Sample Transformation. <i>Analytical Chemistry</i> , 2017, 89, 9167-9174.	6.5	48

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55	Applicability of retention modelling in hydrophilic-interaction liquid chromatography for algorithmic optimization programs with gradient-scanning techniques. <i>Journal of Chromatography A</i> , 2017, 1530, 104-111.	3.7	36
56	Program for the interpretive optimization of two-dimensional resolution. <i>Journal of Chromatography A</i> , 2016, 1450, 29-37.	3.7	63
57	Design and evaluation of microfluidic devices for two-dimensional spatial separations. <i>Journal of Chromatography A</i> , 2016, 1434, 127-135.	3.7	20
58	Switching solvent and enhancing analyte concentrations in small effluent fractions using in-column focusing. <i>Journal of Chromatography A</i> , 2016, 1427, 90-95.	3.7	27
59	Characterization of synthetic dyes by comprehensive two-dimensional liquid chromatography combining ion-exchange chromatography and fast ion-pair reversed-phase chromatography. <i>Journal of Chromatography A</i> , 2016, 1436, 141-146.	3.7	31
60	Editorial to "Recent advances and trends in the liquid-chromatography-mass spectrometry analysis of flavonoids" by Andr� de Villiers, Pieter Venter and Harald Pasch. <i>Journal of Chromatography A</i> , 2016, 1430, 15.	3.7	0
61	Reducing Dilution and Analysis Time in Online Comprehensive Two-Dimensional Liquid Chromatography by Active Modulation. <i>Analytical Chemistry</i> , 2016, 88, 1785-1793.	6.5	93
62	Temperature control in large-internal-diameter scaffolded monolithic columns operated at ultra-high pressures. <i>Journal of Chromatography A</i> , 2015, 1401, 60-68.	3.7	8
63	Design of a microfluidic device for comprehensive spatial two-dimensional liquid chromatography. <i>Journal of Separation Science</i> , 2015, 38, 1123-1129.	2.5	31
64	Optimization and evaluation of radially interconnected versus bifurcating flow distributors using computational fluid dynamics modelling. <i>Journal of Chromatography A</i> , 2015, 1380, 88-95.	3.7	14
65	Isotopic and elemental profiling of ammonium nitrate in forensic explosives investigations. <i>Forensic Science International</i> , 2015, 248, 101-112.	2.2	33
66	Characterization of aggregates of surface modified fullerenes by asymmetrical flow field-flow fractionation with multi-angle light scattering detection. <i>Journal of Chromatography A</i> , 2015, 1408, 197-206.	3.7	10
67	Comprehensive Two-Dimensional Liquid Chromatography with Stationary-Phase-Assisted Modulation Coupled to High-Resolution Mass Spectrometry Applied to Proteome Analysis of <i>Saccharomyces cerevisiae</i> . <i>Analytical Chemistry</i> , 2015, 87, 5387-5394.	6.5	80
68	Aggregation behavior of fullerenes in aqueous solutions: a capillary electrophoresis and asymmetric flow field-flow fractionation study. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8035-8045.	3.7	11
69	Towards ultra-high peak capacities and peak-production rates using spatial three-dimensional liquid chromatography. <i>Lab on A Chip</i> , 2015, 15, 4415-4422.	6.0	44
70	Impurity profiling of trinitrotoluene using vacuum-outlet gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1374, 224-230.	3.7	15
71	Detailed study of polystyrene solubility using pyrolysis-gas chromatography-mass spectrometry and combination with size-exclusion chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 459-465.	3.7	6
72	Multi-Dimensional Separations of Polymers. <i>Analytical Chemistry</i> , 2014, 86, 6172-6179.	6.5	58

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73	Titanium-scaffolded organic-monolithic stationary phases for ultra-high-pressure liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1359, 162-169.	3.7	25
74	Branched polymers characterized by comprehensive two-dimensional separations with fully orthogonal mechanisms: Molecular-topology fractionation—size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2014, 1366, 54-64.	3.7	3
75	Editorial on “Polymer separations by liquid interaction chromatography: Principles” prospects limitations” by Wolfgang Radke. <i>Journal of Chromatography A</i> , 2014, 1335, 61.	3.7	0
76	Accurate quantitation of pentaerythritol tetranitrate and its degradation products using liquid chromatography—atmospheric pressure chemical ionization—mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1338, 111-116.	3.7	8
77	Gradient-elution parameters in capillary liquid chromatography for high-speed separations of peptides and intact proteins. <i>Journal of Chromatography A</i> , 2014, 1355, 149-157.	3.7	34
78	Mucin-based stationary phases as tool for the characterization of drug—mucus interaction. <i>Journal of Chromatography A</i> , 2014, 1351, 70-81.	3.7	18
79	A new measure of orthogonality for multi-dimensional chromatography. <i>Analytica Chimica Acta</i> , 2014, 838, 93-101.	5.4	130
80	Visualization procedures for proteins and peptides on flat-bed monoliths and their effects on matrix-assisted laser-desorption/ionization time-of-flight mass spectrometric detection. <i>Journal of Chromatography A</i> , 2013, 1286, 222-228.	3.7	7
81	A versatile system for studying the enzymatic degradation of multi-block poly(ester amide)s. <i>Journal of Chromatography A</i> , 2013, 1286, 29-40.	3.7	5
82	Separation and characterization of natural and synthetic macromolecules. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8957-8958.	3.7	0
83	Professor Marja-Liisa Riekkola's 60th birthday. <i>Journal of Chromatography A</i> , 2013, 1317, 1-2.	3.7	0
84	Pentaerythritol tetranitrate (PETN) profiling in post-explosion residues to constitute evidence of crime-scene presence. <i>Forensic Science International</i> , 2013, 230, 37-45.	2.2	15
85	Analysis of Polymer Molecules including Reaction Monitoring and Control. , 2013, , 187-212.		1
86	Study on the performance of different types of three-dimensional chromatographic systems. <i>Journal of Chromatography A</i> , 2013, 1271, 137-143.	3.7	26
87	Microfluidic Pressure Driven Liquid Chromatography of Biologically Relevant Samples. <i>Chromatographia</i> , 2012, 75, 1225-1234.	1.3	13
88	Chromatographic examination of the chemical composition and sequence distribution of copolymers from ethyl and benzyl diazoacetate. <i>Journal of Chromatography A</i> , 2012, 1255, 259-266.	3.7	9
89	Molar mass, chemical-composition, and functionality-type distributions of poly(2-oxazoline)s revealed by a variety of separation techniques. <i>Journal of Chromatography A</i> , 2012, 1265, 123-132.	3.7	7
90	Mass spectrometry: Innovation and application. Part VII. <i>Journal of Chromatography A</i> , 2012, 1259, 1-2.	3.7	1

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91	Challenges in polymer analysis by liquid chromatography. <i>Polymer Chemistry</i> , 2012, 3, 2313.	3.9	91
92	Comprehensive Two-Dimensional Ultrahigh-Pressure Liquid Chromatography for Separations of Polymers. <i>Analytical Chemistry</i> , 2012, 84, 7802-7809.	6.5	56
93	Hydrophobic polymer monoliths as novel phase separators: Application in continuous liquid-liquid extraction systems. <i>Analytica Chimica Acta</i> , 2012, 720, 63-70.	5.4	5
94	Theories to support method development in comprehensive two-dimensional liquid chromatography – A review. <i>Journal of Separation Science</i> , 2012, 35, 1697-1711.	2.5	70
95	Editorial on “Critical overview of selected contemporary sample preparation techniques” by L. Ramos. <i>Journal of Chromatography A</i> , 2012, 1221, 83.	3.7	0
96	Pareto-optimality study into the comparison of the separation potential of comprehensive two-dimensional liquid chromatography in the column and spatial modes. <i>Journal of Chromatography A</i> , 2012, 1235, 39-48.	3.7	15
97	Monitoring the in Vitro Enzyme-Mediated Degradation of Degradable Poly(ester amide) for Controlled Drug Delivery by LC-ToF-MS. <i>Biomacromolecules</i> , 2011, 12, 3243-3251.	5.4	46
98	Determination of cholesterol and triglycerides in serum lipoproteins using flow field-flow fractionation coupled to gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 706, 361-366.	5.4	12
99	Pyrolysis-gas chromatography-mass spectrometry for studying N-vinyl-2-pyrrolidone-co-vinyl acetate copolymers and their dissolution behaviour. <i>Analytica Chimica Acta</i> , 2011, 706, 305-311.	5.4	8
100	Hydrolytic degradation of poly(D,L-lactide-co-glycolide 50/50)-di-acrylate network as studied by liquid chromatography-mass spectrometry. <i>Polymer Degradation and Stability</i> , 2011, 96, 1589-1601.	5.8	7
101	Deformation and degradation of polymers in ultra-high-pressure liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 6930-6942.	3.7	23
102	Hydrodynamic chromatography of macromolecules using polymer monolithic columns. <i>Journal of Chromatography A</i> , 2011, 1218, 8638-8645.	3.7	31
103	Construction and initial evaluation of an apparatus for spatial comprehensive two-dimensional liquid-phase separations. <i>Analytica Chimica Acta</i> , 2011, 701, 92-97.	5.4	15
104	Characterization of hydroxypropylmethylcellulose (HPMC) using comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 5787-5793.	3.7	21
105	Methacrylate monolithic stationary phases for gradient elution separations in microfluidic devices. <i>Journal of Chromatography A</i> , 2011, 1218, 5292-5297.	3.7	4
106	Fast in vitro hydrolytic degradation of polyester urethane acrylate biomaterials: Structure elucidation, separation and quantification of degradation products. <i>Journal of Chromatography A</i> , 2011, 1218, 449-458.	3.7	20
107	Transfer-volume effects in two-dimensional chromatography: Adsorption-phenomena in second-dimension size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 1147-1152.	3.7	9
108	Fast and efficient size-based separations of polymers using ultra-high-pressure liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 1509-1518.	3.7	63

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109	Analytical methodology for sulfonated lignins. <i>Journal of Separation Science</i> , 2010, 33, 439-452.	2.5	32
110	Comprehensive 2D chromatography of random and block methacrylate copolymers. <i>Journal of Separation Science</i> , 2010, 33, 1414-1420.	2.5	28
111	Evaluation of comprehensive on-line liquid chromatography thermally assisted hydrolysis and methylation-gas chromatography-mass spectrometry for characterization of sulfonated lignins. <i>Journal of Separation Science</i> , 2010, 33, 3604-3611.	2.5	2
112	Strip-based regression: A method to obtain comprehensive co-polymer architectures from matrix-assisted laser desorption ionisation-mass spectrometry data. <i>Journal of Chromatography A</i> , 2010, 1217, 4150-4159.	3.7	12
113	High-efficiency liquid chromatography-mass spectrometry separations with 50mm, 250mm, and 1m long polymer-based monolithic capillary columns for the characterization of complex proteolytic digests. <i>Journal of Chromatography A</i> , 2010, 1217, 6610-6615.	3.7	57
114	Mass spectrometry: Innovation and application. Part VI. <i>Journal of Chromatography A</i> , 2010, 1217, 3907.	3.7	1
115	Comprehensive two-dimensional liquid chromatography: Ion chromatography-reversed-phase liquid chromatography for separation of low-molar-mass organic acids. <i>Journal of Chromatography A</i> , 2010, 1217, 6742-6746.	3.7	30
116	Alternative sample-introduction technique to avoid breakthrough in gradient-elution liquid chromatography of polymers. <i>Journal of Chromatography A</i> , 2010, 1217, 6595-6598.	3.7	14
117	Rhodium-Mediated Stereospecific Carbene Polymerization: From Homopolymers to Random and Block Copolymers. <i>Macromolecules</i> , 2010, 43, 8892-8903.	4.8	54
118	Selection of Column Dimensions and Gradient Conditions to Maximize the Peak-Production Rate in Comprehensive Off-Line Two-Dimensional Liquid Chromatography Using Monolithic Columns. <i>Analytical Chemistry</i> , 2010, 82, 7015-7020.	6.5	28
119	Optimizing the peak capacity per unit time in one-dimensional and off-line two-dimensional liquid chromatography for the separation of complex peptide samples. <i>Journal of Chromatography A</i> , 2009, 1216, 7368-7374.	3.7	44
120	Effect of initial estimates and constraints selection in multivariate curve resolution-Alternating least squares. Application to low-resolution NMR data. <i>Analytica Chimica Acta</i> , 2009, 641, 37-45.	5.4	6
121	Fractionation of human serum lipoproteins and simultaneous enzymatic determination of cholesterol and triglycerides. <i>Analytica Chimica Acta</i> , 2009, 654, 85-91.	5.4	32
122	Chromatography in Industry. <i>Annual Review of Analytical Chemistry</i> , 2009, 2, 333-357.	5.4	9
123	Characterization of Z-RAFT Star Polymerization of Butyl acrylate by Size-Exclusion Chromatography. <i>Macromolecular Symposia</i> , 2009, 275-276, 184-196.	0.7	14
124	Z-RAFT star polymerization of styrene: Comprehensive characterization using size-exclusion chromatography. <i>Polymer</i> , 2008, 49, 5199-5208.	3.8	34
125	Topographic structures and chromatographic supports in microfluidic separation devices. <i>Journal of Chromatography A</i> , 2008, 1184, 560-572.	3.7	15
126	Characterization of polymer-based monolithic capillary columns by inverse size-exclusion chromatography and mercury-intrusion porosimetry. <i>Journal of Chromatography A</i> , 2008, 1182, 161-168.	3.7	59

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127	Low-molecular-weight model study of peroxide cross-linking of ethylene- α -propylene- α -diene rubber using gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1201, 151-160.	3.7	15
128	Branched-polymer separations using comprehensive two-dimensional molecular-topology fractionation—size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2008, 1201, 208-214.	3.7	51
129	One-dimensional and two-dimensional liquid chromatography of sulphonated lignins. <i>Journal of Chromatography A</i> , 2008, 1201, 196-201.	3.7	19
130	Foreword. <i>Journal of Chromatography A</i> , 2008, 1201, 133.	3.7	0
131	Methacrylate monolithic capillary columns for gradient peptide separations. <i>Journal of Chromatography A</i> , 2008, 1208, 109-115.	3.7	17
132	“Perfect synergy”™ shines again. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 271-273.	11.4	0
133	Editorial on “Molecular dynamic theories in chromatography” by A. Felinger. <i>Journal of Chromatography A</i> , 2008, 1184, 19.	3.7	1
134	Low-molecular-weight model study of peroxide cross-linking of ethylene-propylene (-diene) rubber using gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1201, 141-150.	3.7	11
135	An FTIR Study on the Solid-State Copolymerization of bis(2-hydroxyethyl)terephthalate and Poly(butylene terephthalate) and the Resulting Copolymers. <i>Macromolecular Symposia</i> , 2008, 265, 290-296.	0.7	6
136	Controlling the surface chemistry and chromatographic properties of methacrylate-ester-based monolithic capillary columns via photografting. <i>Journal of Separation Science</i> , 2007, 30, 407-413.	2.5	78
137	Pillar-structured microchannels for on-chip liquid chromatography: Evaluation of the permeability and separation performance. <i>Journal of Separation Science</i> , 2007, 30, 1453-1460.	2.5	37
138	Experimental investigation of the band broadening originating from the top and bottom walls in micromachined nonporous pillar array columns. <i>Journal of Separation Science</i> , 2007, 30, 2605-2613.	2.5	26
139	Preparation of monolithic columns with target mesopore-size distribution for potential use in size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2007, 1150, 279-289.	3.7	42
140	Development of an algorithm for peak detection in comprehensive two-dimensional chromatography. <i>Journal of Chromatography A</i> , 2007, 1156, 14-24.	3.7	92
141	Development of a resolution metric for comprehensive two-dimensional chromatography. <i>Journal of Chromatography A</i> , 2007, 1146, 232-241.	3.7	33
142	Towards unsupervised analysis of second-order chromatographic data: Automated selection of number of components in multivariate curve-resolution methods. <i>Journal of Chromatography A</i> , 2007, 1158, 258-272.	3.7	10
143	Efficiency of methacrylate monolithic columns in reversed-phase liquid chromatographic separations. <i>Journal of Chromatography A</i> , 2007, 1175, 81-88.	3.7	83
144	Automatic Selection of Optimal Savitzky-Golay Smoothing. <i>Analytical Chemistry</i> , 2006, 78, 4598-4608.	6.5	111

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145	Practical aspects of using methacrylate-ester-based monolithic columns in capillary electrochromatography. <i>Journal of Chromatography A</i> , 2006, 1109, 74-79.	3.7	36
146	Chemical variance, a useful tool for the interpretation and analysis of two-dimensional chromatograms. <i>Journal of Chromatography A</i> , 2006, 1120, 273-281.	3.7	18
147	A protocol for designing comprehensive two-dimensional liquid chromatography separation systems. <i>Journal of Chromatography A</i> , 2006, 1120, 282-290.	3.7	137
148	Performance limits of monolithic and packed capillary columns in high-performance liquid chromatography and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2006, 1104, 256-262.	3.7	66
149	A graphical method for understanding the kinetics of peak capacity production in gradient elution liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1125, 177-181.	3.7	81
150	Selection of comparison criteria and experimental conditions to evaluate the kinetic performance of monolithic and packed-bed columns. <i>Journal of Chromatography A</i> , 2006, 1130, 108-114.	3.7	39
151	Influence of pore size on the separation of random and block copolymers by interactive liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1130, 54-63.	3.7	8
152	Molar-Mass Characterization of Cationic Polymers for Gene Delivery by Aqueous Size-Exclusion Chromatography. <i>Pharmaceutical Research</i> , 2006, 23, 595-603.	3.5	62
153	Aqueous size-exclusion chromatography of cationic polymers for gene delivery. <i>Journal of Controlled Release</i> , 2006, 116, e69-e71.	9.9	0
154	Determination of major carotenoids in vegetables by capillary electrochromatography. <i>Journal of Separation Science</i> , 2006, 29, 660-665.	2.5	29
155	Contactless conductivity detection of synthetic polymers in non-aqueous size-exclusion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2005, 1068, 183-187.	3.7	16
156	Comprehensive multi-dimensional chromatographic studies on the separation of saturated hydrocarbon ring structures in petrochemical samples. <i>Journal of Chromatography A</i> , 2005, 1086, 12-20.	3.7	71
157	Classification of highly similar crude oils using data sets from comprehensive two-dimensional gas chromatography and multivariate techniques. <i>Journal of Chromatography A</i> , 2005, 1096, 156-164.	3.7	36
158	Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis. <i>Journal of Chromatography A</i> , 2005, 1071, 229-237.	3.7	35
159	Poppe plots for size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2005, 1073, 87-91.	3.7	25
160	Molar mass distributions by gradient liquid chromatography: predicting and tailoring selectivity. <i>Journal of Chromatography A</i> , 2005, 1065, 219-229.	3.7	16
161	Comprehensive two-dimensional liquid chromatography for the characterization of functional acrylate polymers. <i>Journal of Chromatography A</i> , 2005, 1076, 51-61.	3.7	104
162	Comprehensive two-dimensional liquid chromatography with on-line Fourier-transform-infrared-spectroscopy detection for the characterization of copolymers. <i>Journal of Chromatography A</i> , 2005, 1098, 104-110.	3.7	59

#	ARTICLE	IF	CITATIONS
163	Fast size-exclusion chromatography—Theoretical and practical considerations. <i>Journal of Chromatography A</i> , 2005, 1099, 92-102.	3.7	42
164	Two-dimensional chromatography as a tool for studying band broadening in size-exclusion chromatography. <i>Journal of Separation Science</i> , 2005, 28, 1457-1466.	2.5	14
165	Synthesis and characterization of telechelic polymethacrylates via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 959-973.	2.3	181
166	Tailoring the Morphology of Methacrylate Ester-Based Monoliths for Optimum Efficiency in Liquid Chromatography. <i>Analytical Chemistry</i> , 2005, 77, 7342-7347.	6.5	133
167	Stochastic Theory of Size Exclusion Chromatography: A Peak Shape Analysis on Single Columns. <i>Analytical Chemistry</i> , 2005, 77, 3138-3148.	6.5	39
168	Accurate prediction of the retention behaviour of polydisperse macromolecules based on a minimum number of experiments. <i>Journal of Chromatography A</i> , 2004, 1041, 43-51.	3.7	5
169	Band broadening in size-exclusion chromatography of polydisperse samples. <i>Journal of Chromatography A</i> , 2004, 1060, 237-252.	3.7	65
170	Comparison of the efficiency of microparticulate and monolithic capillary columns. <i>Journal of Separation Science</i> , 2004, 27, 1431-1440.	2.5	49
171	Characterisation of fluorinated copolymers using liquid chromatography coupled on-line to mass spectrometry, with automated data interpretation. <i>Journal of Chromatography A</i> , 2004, 1043, 239-248.	3.7	10
172	Determination of the amylose—amylopectin ratio of starches by iodine-affinity capillary electrophoresis. <i>Journal of Chromatography A</i> , 2004, 1053, 227-234.	3.7	36
173	Analysis of low-molar-mass materials in commercial rubber samples by Soxhlet and headspace extractions followed by GC—MS analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 1059-1073.	2.8	17
174	Determination of molecular weight and size distribution and branching characteristics of PVAc by means of size exclusion chromatography/multi-angle laser light scattering (SEC/MALLS). <i>Polymer</i> , 2004, 45, 39-48.	3.8	82
175	Study of the influence of the aspect ratio on efficiency, flow resistance and retention factors of packed capillary columns in pressure- and electrically-driven liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1044, 311-316.	3.7	25
176	Separation and characterization of functional poly(n-butyl acrylate) by critical liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1055, 123-133.	3.7	41
177	Optimisation of the chlorthalidone chiral separation by capillary electrochromatography using an achiral stationary phase and cyclodextrin in the mobile phase. <i>Analytica Chimica Acta</i> , 2004, 509, 11-19.	5.4	20
178	Determination of the degree of substitution and its distribution of carboxymethylcelluloses by capillary zone electrophoresis. <i>Carbohydrate Research</i> , 2004, 339, 1917-1924.	2.3	25
179	Characterization of glycerin-based polyols by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2004, 1046, 263-269.	3.7	8
180	Comparison of on-line flow-cell and off-line solvent-elimination interfaces for size-exclusion chromatography and Fourier-transform infrared spectroscopy in polymer analysis. <i>Journal of Chromatography A</i> , 2003, 1017, 83-96.	3.7	58

#	ARTICLE	IF	CITATIONS
181	Robust isocratic liquid chromatographic separation of functional poly(methyl methacrylate). Journal of Chromatography A, 2003, 1018, 19-27.	3.7	34
182	Quantitative analysis of target components by comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2003, 1019, 15-29.	3.7	110
183	Characterization of polyethylene glycols and polypropylene glycols by capillary zone electrophoresis and micellar electrokinetic chromatography. Journal of Chromatography A, 2003, 985, 479-491.	3.7	29
184	Contribution of the polymer standards'™ polydispersity to the observed band broadening in size-exclusion chromatography. Journal of Chromatography A, 2003, 986, 1-15.	3.7	21
185	Reply to 'Comments to the early history of gas chromatographic methods for oil analysis' by L.S. Ettre. Journal of Chromatography A, 2003, 993, 221.	3.7	0
186	Comprehensive two-dimensional liquid chromatography of polymers. Journal of Chromatography A, 2003, 1000, 693-709.	3.7	222
187	Application of the reversed-phase liquid chromatographic model to describe the retention behaviour of polydisperse macromolecules in gradient and isocratic liquid chromatography. Journal of Chromatography A, 2003, 988, 53-67.	3.7	34
188	Mass Spectrometric Characterization of Functional Poly(methyl methacrylate) in Combination with Critical Liquid Chromatography. Analytical Chemistry, 2003, 75, 5517-5524.	6.5	80
189	Predicting the behaviour of polydisperse polymers in liquid chromatography under isocratic and gradient conditions. Journal of Chromatography A, 2002, 965, 93-107.	3.7	27
190	Fourier transform infrared spectroscopy with a sample deposition interface as a quantitative detector in size-exclusion chromatography. Journal of Chromatography A, 2002, 948, 257-265.	3.7	27
191	Evaluation of size-exclusion chromatography and size-exclusion electrochromatography calibration curves. Journal of Chromatography A, 2002, 957, 127-137.	3.7	56
192	Gas chromatographic methods for oil analysis. Journal of Chromatography A, 2002, 972, 137-173.	3.7	139
193	Breakthrough of polymers in interactive liquid chromatography. Journal of Chromatography A, 2002, 982, 55-68.	3.7	80
194	Proper Tuning of Comprehensive Two-Dimensional Gas Chromatography (GC ² -GC) to Optimize the Separation of Complex Oil Fractions. Journal of High Resolution Chromatography, 2000, 23, 182-188.	1.4	136
195	Comparison of comprehensive two-dimensional gas chromatography and gas chromatography ' mass spectrometry for the characterization of complex hydrocarbon mixtures. Journal of Chromatography A, 2000, 892, 29-46.	3.7	119
196	Development of an on-line coupling of liquid' liquid extraction, normal-phase liquid chromatography and high-resolution gas chromatography producing an analytical marker for the prediction of mutagenicity and carcinogenicity of bitumen and bitumen fumes. Journal of Chromatography A, 1999, 849, 483-494.	3.7	14
197	Comprehensive two-dimensional gas chromatography (GC ² -GC) and its applicability to the characterization of complex (petrochemical) mixtures. Journal of High Resolution Chromatography, 1997, 20, 539-544.	1.4	173
198	Criteria for optimizing the separation of target analytes in complex chromatograms. Chemometrics and Intelligent Laboratory Systems, 1996, 35, 67-86.	3.5	26

#	ARTICLE	IF	CITATIONS
199	Criteria for developing rugged high-performance liquid chromatographic methods. <i>Journal of Chromatography A</i> , 1995, 697, 3-16.	3.7	27
200	Lattice models for the description of partitioning/ adsorption and retention in reversed-phase liquid chromatography, including surface and shape effects. <i>Journal of Chromatography A</i> , 1993, 656, 135-196.	3.7	61
201	Modelling retention of ionogenic solutes in liquid chromatography as a function of pH for optimization purposes. <i>Journal of Chromatography A</i> , 1993, 656, 577-590.	3.7	103
202	Practical implementation of neural networks for the interpretation of infrared spectra. <i>Vibrational Spectroscopy</i> , 1993, 4, 263-272.	2.2	22
203	2: Knowledge-based Systems in Chemical Analysis. <i>Data Handling in Science and Technology</i> , 1993, 13, 13-77.	3.1	2
204	Chapter 8 Supercritical-fluid chromatography. <i>Journal of Chromatography Library</i> , 1992, 51, A339-A391.	0.1	1
205	Feasibility study for the construction of an integrated expert system in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1992, 589, 31-43.	3.7	12
206	Modelling retention in reversed-phase liquid chromatography as a function of pH and solvent composition. <i>Journal of Chromatography A</i> , 1992, 592, 157-182.	3.7	119
207	Integrating expert systems for high-performance liquid chromatographic method development. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1991, 11, 27-35.	3.5	10
208	RES, an expert system for the set-up and interpretation of a ruggedness test in HPLC method validation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1991, 11, 37-55.	3.5	27
209	RES, an expert system for the set-up and interpretation of a ruggedness test in HPLC method validation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1991, 10, 337-347.	3.5	67
210	Gradient elution methods for predicting isocratic conditions. <i>Journal of Chromatography A</i> , 1991, 550, 425-447.	3.7	27
211	Development of a rational optimisation procedure for the automated sample clean-up with column switching in pesticide residue analysis. <i>Journal of Chromatography A</i> , 1991, 552, 113-135.	3.7	17
212	Effects of modifiers in packed and open-tubular supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1991, 552, 527-537.	3.7	19
213	Expert system for repeatability testing of high-performance liquid chromatographic methods. <i>Journal of Chromatography A</i> , 1991, 550, 257-266.	3.7	7
214	Effects of pH in reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 1991, 250, 1-19.	5.4	81
215	Mobile and stationary phases for SFC: Effects of using modifiers. <i>Mikrochimica Acta</i> , 1991, 104, 337-351.	5.0	9
216	Expert systems for method development and validation in HPLC. <i>Mikrochimica Acta</i> , 1991, 104, 493-503.	5.0	7

#	ARTICLE	IF	CITATIONS
217	Optimization of chromatographic methods by a combination of optimization software and expert systems. <i>Journal of Chromatography A</i> , 1990, 506, 169-184.	3.7	16
218	Fabrication of columns for open-tubular liquid chromatography using photopolymerization of acrylates. <i>Journal of Chromatography A</i> , 1990, 516, 301-312.	3.7	23
219	Comparison of stationary phases for packed-column supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1990, 506, 563-578.	3.7	39
220	Explanations and advice provided by an expert system for system optimization in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1989, 485, 219-236.	3.7	18
221	Correction of the resolution function for non-ideal peaks. <i>Journal of Chromatography A</i> , 1988, 458, 355-370.	3.7	44
222	Effect of sample size of retention in packed column super-critical fluid chromatography. <i>Journal of Chromatography A</i> , 1988, 459, 201-213.	3.7	20
223	Calculation of pressure, density and temperature profiles in packed-column supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1987, 395, 91-110.	3.7	40
224	Effect of model inaccuracy on selectivity optimization procedures in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1987, 384, 117-133.	3.7	26
225	Supercritical-fluid chromatography "prospects and problems. <i>TrAC - Trends in Analytical Chemistry</i> , 1987, 6, 10-17.	11.4	29
226	Effect of pressure on retention in supercritical-fluid chromatography with packed columns. <i>Journal of Chromatography A</i> , 1986, 352, 315-328.	3.7	34
227	Application of supercritical fluid chromatography to the analysis of liquid-crystal mixtures. <i>Journal of Chromatography A</i> , 1986, 371, 121-134.	3.7	16
228	Thermodynamic model for supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1984, 315, 1-18.	3.7	48
229	Description of solute retention over the full range of mobile phase compositions in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1983, 282, 107-121.	3.7	142
230	Use of gradient elution for rapid selection of isocratic conditions in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1981, 205, 13-30.	3.7	174
231	Systematic study of ternary solvent behaviour in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1981, 218, 261-284.	3.7	197
232	Retention and selectivity characteristics of a non-polar perfluorinated stationary phase for liquid chromatography. <i>Journal of Chromatography A</i> , 1981, 218, 443-454.	3.7	79
233	Gradient selection in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1978, 149, 519-537.	3.7	429
234	Use of the solubility parameter for predicting selectivity and retention in chromatography. <i>Journal of Chromatography A</i> , 1976, 122, 185-203.	3.7	187

#	ARTICLE	IF	CITATIONS
235	Chemical Analysis for Polymer Engineers. , 0, , 1015-1046.		2
236	Analysis of Polymer Molecules: Reaction Monitoring and Control. , 0, , 160-185.		1
237	Introduction of Octadecyl-Bonded Porous Particles in 3D-Printed Transparent Housings with Multiple Outlets. Chromatographia, 0, , .	1.3	0