

# Peter J Schoenmakers

## List of Publications by Year in descending order

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237  
papers

9,047  
citations

36303

51  
h-index

58581

82  
g-index

249  
all docs

249  
docs citations

249  
times ranked

4636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient selection in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1978, 149, 519-537.	3.7	429
2	Recent Developments in Two-Dimensional Liquid Chromatography: Fundamental Improvements for Practical Applications. <i>Analytical Chemistry</i> , 2019, 91, 240-263.	6.5	251
3	Comprehensive two-dimensional liquid chromatography of polymers. <i>Journal of Chromatography A</i> , 2003, 1000, 693-709.	3.7	222
4	Systematic study of ternary solvent behaviour in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1981, 218, 261-284.	3.7	197
5	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
6	Synthesis and characterization of telechelic polymethacrylates via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 959-973.	2.3	181
7	Optimizing separations in online comprehensive two-dimensional liquid chromatography. <i>Journal of Separation Science</i> , 2018, 41, 68-98.	2.5	176
8	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
9	Comprehensive two-dimensional gas chromatography (GC <sup>2</sup> -GC) and its applicability to the characterization of complex (petrochemical) mixtures. <i>Journal of High Resolution Chromatography</i> , 1997, 20, 539-544.	1.4	173
10	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
11	Gas chromatographic methods for oil analysis. <i>Journal of Chromatography A</i> , 2002, 972, 137-173.	3.7	139
12	A protocol for designing comprehensive two-dimensional liquid chromatography separation systems. <i>Journal of Chromatography A</i> , 2006, 1120, 282-290.	3.7	137
13	Proper Tuning of Comprehensive Two-Dimensional Gas Chromatography (GC <sup>2</sup> -GC) to Optimize the Separation of Complex Oil Fractions. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 182-188.	1.4	136
14	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
15	A new measure of orthogonality for multi-dimensional chromatography. <i>Analytica Chimica Acta</i> , 2014, 838, 93-101.	5.4	130
16	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
17	Comparison of comprehensive two-dimensional gas chromatography and gas chromatography-mass spectrometry for the characterization of complex hydrocarbon mixtures. <i>Journal of Chromatography A</i> , 2000, 892, 29-46.	3.7	119
18	Automatic Selection of Optimal Savitzky-Golay Smoothing. <i>Analytical Chemistry</i> , 2006, 78, 4598-4608.	6.5	111

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19	Quantitative analysis of target components by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2003, 1019, 15-29.	3.7	110
20	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
21	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
22	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
23	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
24	Challenges in polymer analysis by liquid chromatography. <i>Polymer Chemistry</i> , 2012, 3, 2313.	3.9	91
25	Efficiency of methacrylate monolithic columns in reversed-phase liquid chromatographic separations. <i>Journal of Chromatography A</i> , 2007, 1175, 81-88.	3.7	83
26	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
27	Effects of pH in reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 1991, 250, 1-19.	5.4	81
28	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
29	Breakthrough of polymers in interactive liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 982, 55-68.	3.7	80
30	Mass Spectrometric Characterization of Functional Poly(methyl methacrylate) in Combination with Critical Liquid Chromatography. <i>Analytical Chemistry</i> , 2003, 75, 5517-5524.	6.5	80
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	Band broadening in size-exclusion chromatography of polydisperse samples. <i>Journal of Chromatography A</i> , 2004, 1060, 237-252.	3.7	65
40	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
41	Program for the interpretive optimization of two-dimensional resolution. <i>Journal of Chromatography A</i> , 2016, 1450, 29-37.	3.7	63
42	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
43	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
44	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
45	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
46	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
47	Multi-Dimensional Separations of Polymers. <i>Analytical Chemistry</i> , 2014, 86, 6172-6179.	6.5	58
48	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
49	Recent applications of retention modelling in liquid chromatography. <i>Journal of Separation Science</i> , 2021, 44, 88-114.	2.5	57
50	Evaluation of size-exclusion chromatography and size-exclusion electrochromatography calibration curves. <i>Journal of Chromatography A</i> , 2002, 957, 127-137.	3.7	56
51	Comprehensive Two-Dimensional Ultrahigh-Pressure Liquid Chromatography for Separations of Polymers. <i>Analytical Chemistry</i> , 2012, 84, 7802-7809.	6.5	56
52	Rhodium-Mediated Stereospecific Carbene Polymerization: From Homopolymers to Random and Block Copolymers. <i>Macromolecules</i> , 2010, 43, 8892-8903.	4.8	54
53	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
54	Comparison of the efficiency of microparticulate and monolithic capillary columns. <i>Journal of Separation Science</i> , 2004, 27, 1431-1440.	2.5	49

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55	Thermodynamic model for supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1984, 315, 1-18.	3.7	48
56	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
57	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
58	Correction of the resolution function for non-ideal peaks. <i>Journal of Chromatography A</i> , 1988, 458, 355-370.	3.7	44
59	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
60	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
61	Fast size-exclusion chromatography—Theoretical and practical considerations. <i>Journal of Chromatography A</i> , 2005, 1099, 92-102.	3.7	42
62	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
63	Recent applications of chemometrics in one- and two-dimensional chromatography. <i>Journal of Separation Science</i> , 2020, 43, 1678-1727.	2.5	42
64	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
65	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
66	Distinguishing drug isomers in the forensic laboratory: GC–VUV in addition to GC–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
67	Comparison of stationary phases for packed-column supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1990, 506, 563-578.	3.7	39
68	Stochastic Theory of Size Exclusion Chromatography: Peak Shape Analysis on Single Columns. <i>Analytical Chemistry</i> , 2005, 77, 3138-3148.	6.5	39
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	Latest Trends on the Future of Three-Dimensional Separations in Chromatography. <i>Chemical Reviews</i> , 2021, 121, 12016-12034.	47.7	35
79	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
80	Robust isocratic liquid chromatographic separation of functional poly(methyl methacrylate). <i>Journal of Chromatography A</i> , 2003, 1018, 19-27.	3.7	34
81	Application of the reversed-phase liquid chromatographic model to describe the retention behaviour of polydisperse macromolecules in gradient and isocratic liquid chromatography. <i>Journal of Chromatography A</i> , 2003, 988, 53-67.	3.7	34
82	Z-RAFT star polymerization of styrene: Comprehensive characterization using size-exclusion chromatography. <i>Polymer</i> , 2008, 49, 5199-5208.	3.8	34
83	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
84	Development of a resolution metric for comprehensive two-dimensional chromatography. <i>Journal of Chromatography A</i> , 2007, 1146, 232-241.	3.7	33
85	Isotopic and elemental profiling of ammonium nitrate in forensic explosives investigations. <i>Forensic Science International</i> , 2015, 248, 101-112.	2.2	33
86	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
87	Analytical methodology for sulfonated lignins. <i>Journal of Separation Science</i> , 2010, 33, 439-452.	2.5	32
88	Hydrodynamic chromatography of macromolecules using polymer monolithic columns. <i>Journal of Chromatography A</i> , 2011, 1218, 8638-8645.	3.7	31
89	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
90	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

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91	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
92	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
93	Supercritical-fluid chromatography – prospects and problems. <i>TrAC - Trends in Analytical Chemistry</i> , 1987, 6, 10-17.	11.4	29
94	Characterization of polyethylene glycols and polypropylene glycols by capillary zone electrophoresis and micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2003, 985, 479-491.	3.7	29
95	Determination of major carotenoids in vegetables by capillary electrochromatography. <i>Journal of Separation Science</i> , 2006, 29, 660-665.	2.5	29
96	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
97	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, 3383-349.	5.4	29
98	Comprehensive 2D chromatography of random and block methacrylate copolymers. <i>Journal of Separation Science</i> , 2010, 33, 1414-1420.	2.5	28
99	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
100	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
101	Gradient elution methods for predicting isocratic conditions. <i>Journal of Chromatography A</i> , 1991, 550, 425-447.	3.7	27
102	Criteria for developing rugged high-performance liquid chromatographic methods. <i>Journal of Chromatography A</i> , 1995, 697, 3-16.	3.7	27
103	Predicting the behaviour of polydisperse polymers in liquid chromatography under isocratic and gradient conditions. <i>Journal of Chromatography A</i> , 2002, 965, 93-107.	3.7	27
104	Fourier transform infrared spectroscopy with a sample deposition interface as a quantitative detector in size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2002, 948, 257-265.	3.7	27
105	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
106	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
107	Criteria for optimizing the separation of target analytes in complex chromatograms. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1996, 35, 67-86.	3.5	26
108	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

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109	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
110	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
111	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
112	Poppe plots for size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2005, 1073, 87-91.	3.7	25
113	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
114	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
115	Deformation and degradation of polymers in ultra-high-pressure liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 6930-6942.	3.7	23
116	Comprehensive two-dimensional liquid chromatography of heavy oil. <i>Journal of Chromatography A</i> , 2018, 1564, 110-119.	3.7	23
117	Immobilized-enzyme reactors integrated into analytical platforms: Recent advances and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 144, 116419.	11.4	23
118	Practical implementation of neural networks for the interpretation of infrared spectra. <i>Vibrational Spectroscopy</i> , 1993, 4, 263-272.	2.2	22
119	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
120	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
121	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
122	Contribution of the polymer standards' polydispersity to the observed band broadening in size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2003, 986, 1-15.	3.7	21
123	Characterization of hydroxypropylmethylcellulose (HPMC) using comprehensive two-dimensional liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 5787-5793.	3.7	21
124	Size-exclusion chromatography using core-shell particles. <i>Journal of Chromatography A</i> , 2017, 1486, 96-102.	3.7	21
125	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
126	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



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127	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
128	Design and evaluation of microfluidic devices for two-dimensional spatial separations. <i>Journal of Chromatography A</i> , 2016, 1434, 127-135.	3.7	20
129	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
130	Effects of modifiers in packed and open-tubular supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1991, 552, 527-537.	3.7	19
131	One-dimensional and two-dimensional liquid chromatography of sulphonated lignins. <i>Journal of Chromatography A</i> , 2008, 1201, 196-201.	3.7	19
132	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
133	Spotting isomer mixtures in forensic illicit drug casework with GC-UV 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
134	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
135	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
136	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
137	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
138	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
139	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
140	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
141	Methacrylate monolithic capillary columns for gradient peptide separations. <i>Journal of Chromatography A</i> , 2008, 1208, 109-115.	3.7	17
142	Perspectives on the future of multi-dimensional platforms. <i>Faraday Discussions</i> , 2019, 218, 72-100.	3.2	17
143	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
144	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

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145	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
146	Molar mass distributions by gradient liquid chromatography: predicting and tailoring selectivity. <i>Journal of Chromatography A</i> , 2005, 1065, 219-229.	3.7	16
147	Topographic structures and chromatographic supports in microfluidic separation devices. <i>Journal of Chromatography A</i> , 2008, 1184, 560-572.	3.7	15
148	Low-molecular-weight model study of peroxide cross-linking of ethylene- $\alpha$ -propylene- $\alpha$ -diene rubber using gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1201, 151-160.	3.7	15
149	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
150	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
151	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
152	Impurity profiling of trinitrotoluene using vacuum-outlet gas chromatography- $\alpha$ -mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1374, 224-230.	3.7	15
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