Szabolcs Fekete

List of Publications by Year
in descending order

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124 papers	5,766 citations	57719 44 h-index	91828 69 g-index
125 all docs	125 docs citations	125 times ranked	3101 citing authors

#	Article	IF	Citations
1	Fast liquid chromatography: The domination of core?shell and very fine particles. Journal of Chromatography A, 2012, 1228, 57-71.	1.8	232
2	Theory and practice of size exclusion chromatography for the analysis of protein aggregates. Journal of Pharmaceutical and Biomedical Analysis, 2014, 101, 161-173.	1.4	226
3	Chromatographic, Electrophoretic, and Mass Spectrometric Methods for the Analytical Characterization of Protein Biopharmaceuticals. Analytical Chemistry, 2016, 88, 480-507.	3.2	205
4	Ion-exchange chromatography for the characterization of biopharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2015, 113, 43-55.	1.4	186
5	Comparative study of new shell-type, sub-2Î¼m fully porous and monolith stationary phases, focusing on mass-transfer resistance. Journal of Chromatography A, 2010, 1217, 3642-3653.	1.8	159
6	Current and future trends in UHPLC. TrAC - Trends in Analytical Chemistry, 2014, 63, 2-13.	5.8	140
7	Determination of isoelectric points and relative charge variants of 23 therapeutic monoclonal antibodies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1065-1066, 119-128.	1.2	135
8	Method development for the separation of monoclonal antibody charge variants in cation exchange chromatography, Part I: Salt gradient approach. Journal of Pharmaceutical and Biomedical Analysis, 2015, 102, 33-44.	1.4	133
9	New trends in reversed-phase liquid chromatographic separations of therapeutic peptides and proteins: Theory and applications. Journal of Pharmaceutical and Biomedical Analysis, 2012, 69, 9-27.	1.4	120
10	Importance of instrumentation for fast liquid chromatography in pharmaceutical analysis. Journal of Pharmaceutical and Biomedical Analysis, 2014, 87, 105-119.	1.4	113
11	Method development for the separation of monoclonal antibody charge variants in cation exchange chromatography, Part II: pH gradient approach. Journal of Pharmaceutical and Biomedical Analysis, 2015, 102, 282-289.	1.4	113
12	Analytical strategies for the characterization of therapeutic monoclonal antibodies. TrAC - Trends in Analytical Chemistry, 2013, 42, 74-83.	5.8	104
13	Hydrophobic interaction chromatography for the characterization of monoclonal antibodies and related products. Journal of Pharmaceutical and Biomedical Analysis, 2016, 130, 3-18.	1.4	104
14	Maximizing kinetic performance in supercritical fluid chromatography using state-of-the-art instruments. Journal of Chromatography A, 2013, 1314, 288-297.	1.8	94
15	The impact of extra-column band broadening on the chromatographic efficiency of 5cm long narrow-bore very efficient columns. Journal of Chromatography A, 2011, 1218, 5286-5291.	1.8	92
16	Direct Identification of Rituximab Main Isoforms and Subunit Analysis by Online Selective Comprehensive Two-Dimensional Liquid Chromatographyâ€“Mass Spectrometry. Analytical Chemistry, 2015, 87, 8307-8315.	3.2	90
17	Efficiency of the new sub-2Î¼m coreâ€“shell (Kinetexâ„¢) column in practice, applied for small and large molecule separation. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 482-490.	1.4	87
18	Recent Advances in Chromatography for Pharmaceutical Analysis. Analytical Chemistry, 2019, 91, 210-239.	3.2	85

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19	Potential of hydrophilic interaction chromatography for the analytical characterization of protein biopharmaceuticals. Journal of Chromatography A, 2016, 1448, 81-92.	1.8	80
20	Therapeutic Fcâ€fusion proteins: Current analytical strategies. Journal of Separation Science, 2021, 44, 35-62.	1.3	78
21	Kinetic evaluation of new generation of column packed with 1.3Î¼m coreâ€“shell particles. Journal of Chromatography A, 2013, 1308, 104-113.	1.8	77
22	Hydrophilic Interaction Chromatography Hyphenated with Mass Spectrometry: A Powerful Analytical Tool for the Comparison of Originator and Biosimilar Therapeutic Monoclonal Antibodies at the Middle-up Level of Analysis. Analytical Chemistry, 2017, 89, 2086-2092.	3.2	77
23	Comparison of originator and biosimilar therapeutic monoclonal antibodies using comprehensive two-dimensional liquid chromatography coupled with time-of-flight mass spectrometry. MAbs, 2016, 8, 1224-1234.	2.6	76
24	Characterization of 30 therapeutic antibodies and related products by size exclusion chromatography: Feasibility assessment for future mass spectrometry hyphenation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1065-1066, 35-43.	1.2	73
25	Evaluation of a new wide pore coreâ€“shell material (Aerisâ„¢ WIDEPORE) and comparison with other existing stationary phases for the analysis of intact proteins. Journal of Chromatography A, 2012, 1236, 177-188.	1.8	72
26	The effect of pressure and mobile phase velocity on the retention properties of small analytes and large biomolecules in ultra-high pressure liquid chromatography. Journal of Chromatography A, 2012, 1270, 127-138.	1.8	66
27	Shell and small particles; Evaluation of new column technology. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 64-71.	1.4	64
28	Pushing the performance limits of reversed-phase ultra high performance liquid chromatography with 1.3Î¼m coreâ€“shell particles. Journal of Chromatography A, 2013, 1311, 90-97.	1.8	64
29	Evaluation of size exclusion chromatography columns packed with sub-3 Î¼m particles for the analysis of biopharmaceutical proteins. Journal of Chromatography A, 2017, 1498, 80-89.	1.8	64
30	Impact of mobile phase temperature on recovery and stability of monoclonal antibodies using recent reversedâ€phase stationary phases. Journal of Separation Science, 2012, 35, 3113-3123.	1.3	62
31	Comparison of the most recent chromatographic approaches applied for fast and high resolution separations: Theory and practice. Journal of Chromatography A, 2015, 1408, 1-14.	1.8	61
32	Practical method development for the separation of monoclonal antibodies and antibody-drug-conjugate species in hydrophobic interaction chromatography, part 1: optimization of the mobile phase. Journal of Pharmaceutical and Biomedical Analysis, 2016, 118, 393-403.	1.4	61
33	Protocols for the analytical characterization of therapeutic monoclonal antibodies. II â€“ Enzymatic and chemical sample preparation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1060, 325-335.	1.2	59
34	Current possibilities of liquid chromatography for the characterization of antibody-drug conjugates. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 493-505.	1.4	54
35	Analysis of antibody-drug conjugates by comprehensive on-line two-dimensional hydrophobic interaction chromatography x reversed phase liquid chromatography hyphenated to high resolution mass spectrometry. I â˜† Optimization of separation conditions. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1032, 103-111.	1.2	51
36	Rapid high performance liquid chromatography method development with high prediction accuracy, using 5cm long narrow bore columns packed with sub-2Î¼m particles and Design Space computer modeling. Journal of Chromatography A, 2009, 1216, 7816-7823.	1.8	49

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37	Analysis of recombinant monoclonal antibodies by RPLC: Toward a generic method development approach. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 158-168.	1.4	49
38	Critical evaluation of fast size exclusion chromatographic separations of protein aggregates, applying sub-2Î¼m particles. Journal of Pharmaceutical and Biomedical Analysis, 2013, 78-79, 141-149.	1.4	49
39	Ultra-high-performance liquid chromatography for the characterization of therapeutic proteins. TrAC - Trends in Analytical Chemistry, 2014, 63, 76-84.	5.8	49
40	Unraveling the mysteries of modern size exclusion chromatography - the way to achieve confident characterization of therapeutic proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 368-378.	1.2	48
41	Facts and myths about columns packed with sub-3Î¼m and sub-2Î¼m particles. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 56-64.	1.4	47
42	Evaluation of recent very efficient wide-pore stationary phases for the reversed-phase separation of proteins. Journal of Chromatography A, 2012, 1252, 90-103.	1.8	47
43	Development of a rapid method for the determination and confirmation of nitroimidazoles in six matrices by fast liquid chromatographyâ€“tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2012, 64-65, 40-48.	1.4	47
44	Cutting-edge multi-level analytical and structural characterization of antibody-drug conjugates: present and future. Expert Review of Proteomics, 2019, 16, 337-362.	1.3	47
45	Practical method development for the separation of monoclonal antibodies and antibody-drug-conjugate species in hydrophobic interaction chromatoraphy, part 2: Optimization of the phase system. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 161-173.	1.4	46
46	Evaluation of stationary phases packed with superficially porous particles for the analysis of pharmaceutical compounds using supercritical fluid chromatography. Journal of Chromatography A, 2014, 1360, 275-287.	1.8	44
47	Computer-assisted UHPLCâ€“MS method development and optimization for the determination of 24 antineoplastic drugs used in hospital pharmacy. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 395-401.	1.4	44
48	Contribution of various types of liquid chromatographyâ€“mass spectrometry instruments to band broadening in fast analysis. Journal of Chromatography A, 2013, 1310, 45-55.	1.8	42
49	Adsorption and recovery issues of recombinant monoclonal antibodies in reversed-phase liquid chromatographyâ€. Journal of Separation Science, 2015, 38, 1-8.	1.3	42
50	Protocols for the analytical characterization of therapeutic monoclonal antibodies. I â€“ Non-denaturing chromatographic techniques. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1058, 73-84.	1.2	42
51	Comparison of liquid chromatography and supercritical fluid chromatography coupled to compact single quadrupole mass spectrometer for targeted in vitro metabolism assay. Journal of Chromatography A, 2014, 1371, 244-256.	1.8	40
52	Characterization of new types of stationary phases for fast liquid chromatographic applications. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 703-709.	1.4	39
53	Coupling non-denaturing chromatography to mass spectrometry for the characterization of monoclonal antibodies and related products. Journal of Pharmaceutical and Biomedical Analysis, 2020, 185, 113207.	1.4	38
54	Reliability of simulated robustness testing in fast liquid chromatography, using state-of-the-art column technology, instrumentation and modelling software. Journal of Pharmaceutical and Biomedical Analysis, 2014, 89, 67-75.	1.4	36

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55	Utility of a high coverage phenyl-bonding and wide-pore superficially porous particle for the analysis of monoclonal antibodies and related products. Journal of Chromatography A, 2018, 1549, 63-76.	1.8	36
56	Systematic evaluation of mobile phase additives for the LCâ€“MS characterization of therapeutic proteins. Talanta, 2015, 136, 60-67.	2.9	34
57	Characterization of cation exchanger stationary phases applied for the separations of therapeutic monoclonal antibodies. Journal of Pharmaceutical and Biomedical Analysis, 2015, 111, 169-176.	1.4	34
58	Fast gradient screening of pharmaceuticals with 5 cm long, narrow bore reversed-phase columns packed with sub-3 Î¼m coreâ€“shell and sub-2 Î¼m totally porous particles. Talanta, 2011, 84, 416-423.	2.9	32
59	Possibilities of new generation columns packed with 1.3Î¼m coreâ€“shell particles in gradient elution mode. Journal of Chromatography A, 2013, 1320, 86-95.	1.8	32
60	Influence of pressure and temperature on molar volume and retention properties of peptides in ultra-high pressure liquid chromatography. Journal of Chromatography A, 2013, 1311, 65-71.	1.8	32
61	Robust UHPLC Separation Method Development for Multi-API Product Containing Amlodipine and Bisoprolol: The Impact of Column Selection. Chromatographia, 2014, 77, 1119-1127.	0.7	32
62	Analysis of recombinant monoclonal antibodies in hydrophilic interaction chromatography: A generic method development approach. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 24-32.	1.4	32
63	Systematic comparison of a new generation of columns packed with sub-2 Î¼m superficially porous particles. Journal of Separation Science, 2014, 37, 189-197.	1.3	31
64	Development of a fast workflow to screen the charge variants of therapeutic antibodies. Journal of Chromatography A, 2017, 1498, 147-154.	1.8	31
65	Implementation of a generic liquid chromatographic method development workflow: Application to the analysis of phytocannabinoids and Cannabis sativa extracts. Journal of Pharmaceutical and Biomedical Analysis, 2018, 155, 116-124.	1.4	31
66	Analysis of antibody-drug conjugates by comprehensive on-line two-dimensional hydrophobic interaction chromatography x reversed phase liquid chromatography hyphenated to high resolution mass spectrometry. II- Identification of sub-units for the characterization of even and odd load drug species. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1032, 91-102.	1.2	30
67	Proof of Concept To Achieve Infinite Selectivity for the Chromatographic Separation of Therapeutic Proteins. Analytical Chemistry, 2019, 91, 12954-12961.	3.2	30
68	Determination of size variants by CE-SDS for approved therapeutic antibodies: Key implications of subclasses and light chain specificities. Journal of Pharmaceutical and Biomedical Analysis, 2020, 184, 113166.	1.4	30
69	Orthogonal Middle-up Approaches for Characterization of the Glycan Heterogeneity of Etanercept by Hydrophilic Interaction Chromatography Coupled to High-Resolution Mass Spectrometry. Analytical Chemistry, 2019, 91, 873-880.	3.2	29
70	Estimation of pressure-, temperature- and frictional heating-related effects on proteinsâ€™ retention under ultra-high-pressure liquid chromatographic conditions. Journal of Chromatography A, 2015, 1393, 73-80.	1.8	28
71	Impact of organic modifier and temperature on protein denaturation in hydrophobic interaction chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2016, 131, 124-132.	1.4	28
72	Protocols for the analytical characterization of therapeutic monoclonal antibodies. III â€“ Denaturing chromatographic techniques hyphenated to mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1096, 95-106.	1.2	28

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73	Tuning selectivity in cation-exchange chromatography applied for monoclonal antibody separations, part 1: Alternative mobile phases and fine tuning of the separation. Journal of Pharmaceutical and Biomedical Analysis, 2019, 168, 138-147.	1.4	28
74	A generic workflow for the characterization of therapeutic monoclonal antibodiesâ€"application to daratumumab. Analytical and Bioanalytical Chemistry, 2019, 411, 4615-4627.	1.9	28
75	Current and future trends in reversed-phase liquid chromatography-mass spectrometry of therapeutic proteins. TrAC - Trends in Analytical Chemistry, 2020, 130, 115962.	5.8	28
76	Towards a simple on-line coupling of ion exchange chromatography and native mass spectrometry for the detailed characterization of monoclonal antibodies. Journal of Chromatography A, 2021, 1655, 462499.	1.8	28
77	Comparative study of recent wide-pore materials of different stationary phase morphology, applied for the reversed-phase analysis of recombinant monoclonal antibodies. Analytical and Bioanalytical Chemistry, 2013, 405, 3137-3151.	1.9	26
78	Use of Ultrashort Columns for Therapeutic Protein Separations. Part 1: Theoretical Considerations and Proof of Concept. Analytical Chemistry, 2021, 93, 1277-1284.	3.2	26
79	High resolution reversed phase analysis of recombinant monoclonal antibodies by ultra-high pressure liquid chromatography column coupling. Journal of Pharmaceutical and Biomedical Analysis, 2013, 83, 273-278.	1.4	25
80	Comprehensive study on the effects of sodium and potassium additives in size exclusion chromatographic separations of protein biopharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 242-251.	1.4	25
81	Characterizing various monoclonal antibodies with milder reversed phase chromatography conditions. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1096, 1-10.	1.2	25
82	New developments and possibilities of wide-pore superficially porous particle technology applied for the liquid chromatographic analysis of therapeutic proteins. Journal of Pharmaceutical and Biomedical Analysis, 2018, 158, 225-235.	1.4	25
83	Separation of antibody drug conjugate species by RPLC: A generic method development approach. Journal of Pharmaceutical and Biomedical Analysis, 2017, 137, 60-69.	1.4	24
84	Optimization of non-linear gradient in hydrophobic interaction chromatography for the analytical characterization of antibody-drug conjugates. Journal of Chromatography A, 2017, 1481, 82-91.	1.8	24
85	Estimation of the effects of longitudinal temperature gradients caused by frictional heating on the solute retention using fully porous and superficially porous sub-2Î¼m materials. Journal of Chromatography A, 2014, 1359, 124-130.	1.8	23
86	The importance of system band broadening in modern size exclusion chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2017, 135, 50-60.	1.4	23
87	Computer assisted liquid chromatographic method development for the separation of therapeutic proteins. Analyst, The, 2016, 141, 5488-5501.	1.7	22
88	Achievable separation performance and analysis time in current liquid chromatographic practice for monoclonal antibody separations. Journal of Pharmaceutical and Biomedical Analysis, 2017, 141, 59-69.	1.4	21
89	Size Exclusion and Ion Exchange Chromatographic Hardware Modified with a Hydrophilic Hybrid Surface. Analytical Chemistry, 2022, 94, 3360-3367.	3.2	19
90	ANALYSIS OF SULFONAMIDE RESIDUES IN REAL HONEY SAMPLES USING LIQUID CHROMATOGRAPHY WITH FLUORESCENCE AND TANDEM MASS SPECTROMETRY DETECTION. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 1105-1125.	0.5	18

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91	Evolution and Current Trends in Liquid and Supercritical Fluid Chromatography. Current Chromatography, 2014, 1, 15-40.	0.1	18
92	Reliability of computer-assisted method transfer between several column dimensions packed with 1.3â€“5Î¼m coreâ€“shell particles and between various instruments. Journal of Pharmaceutical and Biomedical Analysis, 2014, 94, 188-195.	1.4	18
93	A workflow for column interchangeability in liquid chromatography using modeling software and quality-by-design principles. Journal of Pharmaceutical and Biomedical Analysis, 2017, 146, 220-225.	1.4	18
94	Is hydrophobic interaction chromatography the most suitable technique to characterize site-specific antibody-drug conjugates?. Journal of Chromatography A, 2019, 1586, 149-153.	1.8	18
95	Tuning selectivity in cation-exchange chromatography applied for monoclonal antibody separations, part 2: Evaluation of recent stationary phases. Journal of Pharmaceutical and Biomedical Analysis, 2019, 172, 320-328.	1.4	17
96	Evaluation of a new wide-pore superficially porous material with carbon core and nanodiamond-polymer shell for the separation of proteins. Journal of Chromatography A, 2015, 1414, 51-59.	1.8	16
97	Evaluation of new superficially porous particles with carbon core and nanodiamondâ€“polymer shell for proteins characterization. Journal of Pharmaceutical and Biomedical Analysis, 2015, 104, 130-136.	1.4	16
98	Negative gradient slope methods to improve the separation of closely eluting proteins. Journal of Chromatography A, 2021, 1635, 461743.	1.8	16
99	Apparent efficiency of serially coupled columns in isocratic and gradient elution modes. Journal of Chromatography A, 2018, 1571, 121-131.	1.8	15
100	Development of an innovative salt-mediated pH gradient cation exchange chromatography method for the characterization of therapeutic antibodies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1160, 122379.	1.2	13
101	Improving selectivity and performing online on-column fractioning in liquid chromatography for the separation of therapeutic biopharmaceutical products. Journal of Chromatography A, 2020, 1618, 460901.	1.8	13
102	Use of Ultra-short Columns for Therapeutic Protein Separations, Part 2: Designing the Optimal Column Dimension for Reversed-Phase Liquid Chromatography. Analytical Chemistry, 2021, 93, 1285-1293.	3.2	13
103	Ultra-short ion-exchange columns for fast charge variants analysis of therapeutic proteins. Journal of Chromatography A, 2021, 1657, 462568.	1.8	13
104	Pressure-Enhanced Liquid Chromatography, a Proof of Concept: Tuning Selectivity with Pressure Changes and Gradients. Analytical Chemistry, 2022, 94, 7877-7884.	3.2	13
105	The importance of being metal-free: The critical choice of column hardware for size exclusion chromatography coupled to high resolution mass spectrometry. Analytica Chimica Acta, 2021, 1183, 338987.	2.6	12
106	Impact of the column on effluent pH in cation exchange pH gradient chromatography, a practical study. Journal of Chromatography A, 2020, 1626, 461350.	1.8	11
107	Using 1.5Âmm internal diameter columns for optimal compatibility with current liquid chromatographic systems. Journal of Chromatography A, 2021, 1650, 462258.	1.8	11
108	Comparison of various silica-based monoliths for the analysis of large biomoleculesâ€. Journal of Separation Science, 2013, 36, 2231-2243.	1.3	10

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109	Impact of particle size gradients on the apparent efficiency of chromatographic columns. Journal of Chromatography A, 2019, 1603, 208-215.	1.8	10
110	Prototype sphere-on-sphere silica particles for the separation of large biomolecules. Journal of Chromatography A, 2016, 1431, 94-102.	1.8	9
111	Updating the European Pharmacopoeia impurity profiling method for terazosin and suggesting alternative columns. Journal of Pharmaceutical and Biomedical Analysis, 2020, 187, 113371.	1.4	9
112	Enhancing the Quality of Separation in One-Dimensional Peptide Mapping Using Mathematical Transformation. Chromatographia, 2012, 75, 305-312.	0.7	8
113	Importance of vial shape and type on the reproducibility of size exclusion chromatography measurement of monoclonal antibodies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1032, 131-138.	1.2	8
114	New wide-pore superficially porous stationary phases with low hydrophobicity applied for the analysis of monoclonal antibodies. Journal of Chromatography A, 2021, 1642, 462050.	1.8	8
115	Salt gradient and ion-pair mediated anion exchange of intact messenger ribonucleic acids. Journal of Chromatography Open, 2022, 2, 100031.	0.8	8
116	Direct coupling of size exclusion chromatography and mass spectrometry for the characterization of complex monoclonal antibody products. Journal of Separation Science, 2022, 45, 1997-2007.	1.3	8
117	Investigating the secondary interactions of packing materials for size-exclusion chromatography of therapeutic proteins. Journal of Chromatography A, 2022, 1676, 463262.	1.8	8
118	Aptamer-based immunoaffinity LC-MS using an ultra-short column for rapid attomole level quantitation of intact mAbs. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1173, 122694.	1.2	7
119	Influence of connection tubing in modern size exclusion chromatography and its impact on the characterization of mAbs. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 22-32.	1.4	5
120	Practical considerations on the particle size and permeability of ion-exchange columns applied to biopharmaceutical separations. Journal of Chromatography A, 2019, 1604, 460487.	1.8	5
121	Apparent efficiency of serially coupled columns in gradient elution liquid chromatography: Extension to the combination of any column formats. Journal of Chromatography A, 2019, 1588, 159-162.	1.8	5
122	Development of a Fast and Robust UHPLC Method for Apixaban In-Process Control Analysis. Molecules, 2021, 26, 3505.	1.7	5
123	Algorithms to optimize multi-column chromatographic separations of proteins. Journal of Chromatography A, 2021, 1637, 461838.	1.8	1
124	Empirical correction of non-linear pH gradients and a tool for application to protein ion exchange chromatography. Journal of Chromatography A, 2021, 1651, 462320.	1.8	1