

# Szabolcs Fekete

## List of Publications by Citations

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121  
papers

4,512  
citations

40  
h-index

62  
g-index

125  
ext. papers

5,085  
ext. citations

4.4  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
121	Fast liquid chromatography: the domination of core-shell and very fine particles. <i>Journal of Chromatography A</i> , <b>2012</b> , 1228, 57-71	4.5	213
120	Theory and practice of size exclusion chromatography for the analysis of protein aggregates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 101, 161-73	3.5	167
119	Chromatographic, Electrophoretic, and Mass Spectrometric Methods for the Analytical Characterization of Protein Biopharmaceuticals. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 480-507	7.8	162
118	Comparative study of new shell-type, sub-2 micron fully porous and monolith stationary phases, focusing on mass-transfer resistance. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 3642-53	4.5	154
117	Ion-exchange chromatography for the characterization of biopharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 113, 43-55	3.5	126
116	Current and future trends in UHPLC. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 63, 2-13	14.6	116
115	New trends in reversed-phase liquid chromatographic separations of therapeutic peptides and proteins: theory and applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 69, 9-27	3.5	105
114	Method development for the separation of monoclonal antibody charge variants in cation exchange chromatography, Part I: salt gradient approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 102, 33-44	3.5	98
113	Importance of instrumentation for fast liquid chromatography in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 87, 105-19	3.5	98
112	Analytical strategies for the characterization of therapeutic monoclonal antibodies. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 42, 74-83	14.6	90
111	Method development for the separation of monoclonal antibody charge variants in cation exchange chromatography, Part II: pH gradient approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 102, 282-9	3.5	87
110	Maximizing kinetic performance in supercritical fluid chromatography using state-of-the-art instruments. <i>Journal of Chromatography A</i> , <b>2013</b> , 1314, 288-97	4.5	86
109	Determination of isoelectric points and relative charge variants of 23 therapeutic monoclonal antibodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1065-1066, 119-128	3.2	85
108	The impact of extra-column band broadening on the chromatographic efficiency of 5 cm long narrow-bore very efficient columns. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 5286-91	4.5	85
107	Efficiency of the new sub-2 $\mu$ m core-shell (Kinetex) column in practice, applied for small and large molecule separation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 54, 482-90	3.5	82
106	Direct identification of rituximab main isoforms and subunit analysis by online selective comprehensive two-dimensional liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8307-15	7.8	77
105	Hydrophobic interaction chromatography for the characterization of monoclonal antibodies and related products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 130, 3-18	3.5	76

104	Kinetic evaluation of new generation of column packed with 1.3 $\mu$ m core-shell particles. <i>Journal of Chromatography A</i> , <b>2013</b> , 1308, 104-13	4.5	74
103	Evaluation of a new wide pore core-shell material (Aeris WIDEPOR) and comparison with other existing stationary phases for the analysis of intact proteins. <i>Journal of Chromatography A</i> , <b>2012</b> , 1236, 177-88	4.5	68
102	Potential of hydrophilic interaction chromatography for the analytical characterization of protein biopharmaceuticals. <i>Journal of Chromatography A</i> , <b>2016</b> , 1448, 81-92	4.5	66
101	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. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2086-2092	7.8	62
100	Comparison of originator and biosimilar therapeutic monoclonal antibodies using comprehensive two-dimensional liquid chromatography coupled with time-of-flight mass spectrometry. <i>MABs</i> , <b>2016</b> , 8, 1224-1234	6.6	61
99	The effect of pressure and mobile phase velocity on the retention properties of small analytes and large biomolecules in ultra-high pressure liquid chromatography. <i>Journal of Chromatography A</i> , <b>2012</b> , 1270, 127-38	4.5	60
98	Shell and small particles; evaluation of new column technology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 49, 64-71	3.5	60
97	Comparison of the most recent chromatographic approaches applied for fast and high resolution separations: Theory and practice. <i>Journal of Chromatography A</i> , <b>2015</b> , 1408, 1-14	4.5	57
96	Impact of mobile phase temperature on recovery and stability of monoclonal antibodies using recent reversed-phase stationary phases. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 3113-23	3.4	53
95	Pushing the performance limits of reversed-phase ultra high performance liquid chromatography with 1.3 $\mu$ m core-shell particles. <i>Journal of Chromatography A</i> , <b>2013</b> , 1311, 90-7	4.5	52
94	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 118, 393-403	3.5	50
93	Characterization of 30 therapeutic antibodies and related products by size exclusion chromatography: Feasibility assessment for future mass spectrometry hyphenation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1065-1066, 35-43	3.2	49
92	Recent Advances in Chromatography for Pharmaceutical Analysis. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 210-239	8	47
91	Critical evaluation of fast size exclusion chromatographic separations of protein aggregates, applying sub-2 $\mu$ m particles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 78-79, 141-9	3.5	46
90	Evaluation of recent very efficient wide-pore stationary phases for the reversed-phase separation of proteins. <i>Journal of Chromatography A</i> , <b>2012</b> , 1252, 90-103	4.5	46
89	Rapid high performance liquid chromatography method development with high prediction accuracy, using 5cm long narrow bore columns packed with sub-2microm particles and Design Space computer modeling. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 7816-23	4.5	46
88	Protocols for the analytical characterization of therapeutic monoclonal antibodies. II - Enzymatic and chemical sample preparation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1060, 325-335	3.2	45
87	Ultra-high-performance liquid chromatography for the characterization of therapeutic proteins. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 63, 76-84	14.6	44

86	Evaluation of size exclusion chromatography columns packed with sub-3 $\mu$ m particles for the analysis of biopharmaceutical proteins. <i>Journal of Chromatography A</i> , <b>2017</b> , 1498, 80-89	4.5	44
85	Evaluation of stationary phases packed with superficially porous particles for the analysis of pharmaceutical compounds using supercritical fluid chromatography. <i>Journal of Chromatography A</i> , <b>2014</b> , 1360, 275-87	4.5	43
84	Analysis of recombinant monoclonal antibodies by RPLC: toward a generic method development approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 70, 158-68	3.5	43
83	Facts and myths about columns packed with sub-3 microm and sub-2 microm particles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 51, 56-64	3.5	43
82	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 - Optimization of separation conditions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1032, 103-111	3.2	41
81	Current possibilities of liquid chromatography for the characterization of antibody-drug conjugates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 147, 493-505	3.5	39
80	Development of a rapid method for the determination and confirmation of nitroimidazoles in six matrices by fast liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 64-65, 40-8	3.5	38
79	Adsorption and recovery issues of recombinant monoclonal antibodies in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 1-8	3.4	37
78	Comparison of liquid chromatography and supercritical fluid chromatography coupled to compact single quadrupole mass spectrometer for targeted in vitro metabolism assay. <i>Journal of Chromatography A</i> , <b>2014</b> , 1371, 244-56	4.5	37
77	Characterization of new types of stationary phases for fast liquid chromatographic applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 703-9	3.5	37
76	Practical method development for the separation of monoclonal antibodies and antibody-drug-conjugate species in hydrophobic interaction chromatography, part 2: Optimization of the phase system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 121, 161-173	3.5	36
75	Contribution of various types of liquid chromatography-mass spectrometry instruments to band broadening in fast analysis. <i>Journal of Chromatography A</i> , <b>2013</b> , 1310, 45-55	4.5	35
74	Protocols for the analytical characterization of therapeutic monoclonal antibodies. I - Non-denaturing chromatographic techniques. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1058, 73-84	3.2	31
73	Reliability of simulated robustness testing in fast liquid chromatography, using state-of-the-art column technology, instrumentation and modelling software. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 89, 67-75	3.5	31
72	Fast gradient screening of pharmaceuticals with 5 cm long, narrow bore reversed-phase columns packed with sub-3 $\mu$ m core-shell and sub-2 $\mu$ m totally porous particles. <i>Talanta</i> , <b>2011</b> , 84, 416-23	6.2	31
71	Cutting-edge multi-level analytical and structural characterization of antibody-drug conjugates: present and future. <i>Expert Review of Proteomics</i> , <b>2019</b> , 16, 337-362	4.2	30
70	Possibilities of new generation columns packed with 1.3 $\mu$ m core-shell particles in gradient elution mode. <i>Journal of Chromatography A</i> , <b>2013</b> , 1320, 86-95	4.5	30
69	Systematic evaluation of mobile phase additives for the LC-MS characterization of therapeutic proteins. <i>Talanta</i> , <b>2015</b> , 136, 60-7	6.2	29

68	Utility of a high coverage phenyl-bonding and wide-pore superficially porous particle for the analysis of monoclonal antibodies and related products. <i>Journal of Chromatography A</i> , <b>2018</b> , 1549, 63-76	4.5	29
67	Systematic comparison of a new generation of columns packed with sub-2 μm superficially porous particles. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 189-97	3.4	28
66	Influence of pressure and temperature on molar volume and retention properties of peptides in ultra-high pressure liquid chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1311, 65-71	4.5	28
65	Characterization of cation exchanger stationary phases applied for the separations of therapeutic monoclonal antibodies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 111, 169-76	3.5	27
64	Impact of organic modifier and temperature on protein denaturation in hydrophobic interaction chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 131, 124-132	3.5	26
63	Therapeutic Fc-fusion proteins: Current analytical strategies. <i>Journal of Separation Science</i> , <b>2021</b> , 44, 35-62	3.4	26
62	Estimation of pressure-, temperature- and frictional heating-related effects on protein retention under ultra-high-pressure liquid chromatographic conditions. <i>Journal of Chromatography A</i> , <b>2015</b> , 1393, 73-80	4.5	25
61	Comparative study of recent wide-pore materials of different stationary phase morphology, applied for the reversed-phase analysis of recombinant monoclonal antibodies. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 3137-51	4.4	25
60	Development of a fast workflow to screen the charge variants of therapeutic antibodies. <i>Journal of Chromatography A</i> , <b>2017</b> , 1498, 147-154	4.5	24
59	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 glycan chains. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1092, 368-378	3.2	24
58	Unraveling the mysteries of modern size exclusion chromatography - the way to achieve confident characterization of therapeutic proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1092, 368-378	3.2	24
57	Computer-assisted UHPLC-MS method development and optimization for the determination of 24 antineoplastic drugs used in hospital pharmacy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 164, 395-401	3.5	24
56	Implementation of a generic liquid chromatographic method development workflow: Application to the analysis of phytocannabinoids and Cannabis sativa extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 155, 116-124	3.5	23
55	High resolution reversed phase analysis of recombinant monoclonal antibodies by ultra-high pressure liquid chromatography column coupling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 83, 273-8	3.5	23
54	Tuning selectivity in cation-exchange chromatography applied for monoclonal antibody separations, part 1: Alternative mobile phases and fine tuning of the separation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 168, 138-147	3.5	22
53	Coupling non-denaturing chromatography to mass spectrometry for the characterization of monoclonal antibodies and related products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 185, 113207	3.5	22
52	Protocols for the analytical characterization of therapeutic monoclonal antibodies. III - Denaturing chromatographic techniques hyphenated to mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1096, 95-106	3.2	22
51	Analysis of recombinant monoclonal antibodies in hydrophilic interaction chromatography: A generic method development approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 145, 24-32	3.5	21

50	New developments and possibilities of wide-pore superficially porous particle technology applied for the liquid chromatographic analysis of therapeutic proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 158, 225-235	3.5	21
49	Estimation of the effects of longitudinal temperature gradients caused by frictional heating on the solute retention using fully porous and superficially porous sub-2 $\mu$ m materials. <i>Journal of Chromatography A</i> , <b>2014</b> , 1359, 124-30	4.5	21
48	Orthogonal Middle-up Approaches for Characterization of the Glycan Heterogeneity of Etanercept by Hydrophilic Interaction Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 873-880	7.8	21
47	Separation of antibody drug conjugate species by RPLC: A generic method development approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 137, 60-69	3.5	20
46	The importance of system band broadening in modern size exclusion chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 135, 50-60	3.5	19
45	Optimization of non-linear gradient in hydrophobic interaction chromatography for the analytical characterization of antibody-drug conjugates. <i>Journal of Chromatography A</i> , <b>2017</b> , 1481, 82-91	4.5	19
44	Robust UHPLC Separation Method Development for Multi-API Product Containing Amlodipine and Bisoprolol: The Impact of Column Selection. <i>Chromatographia</i> , <b>2014</b> , 77, 1119-1127	2.1	19
43	Characterizing various monoclonal antibodies with milder reversed phase chromatography conditions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1096, 1-10	3.2	18
42	A generic workflow for the characterization of therapeutic monoclonal antibodies-application to daratumumab. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4615-4627	4.4	18
41	Proof of Concept To Achieve Infinite Selectivity for the Chromatographic Separation of Therapeutic Proteins. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12954-12961	7.8	17
40	Computer assisted liquid chromatographic method development for the separation of therapeutic proteins. <i>Analyst, The</i> , <b>2016</b> , 141, 5488-501	5	17
39	Comprehensive study on the effects of sodium and potassium additives in size exclusion chromatographic separations of protein biopharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 144, 242-251	3.5	17
38	Achievable separation performance and analysis time in current liquid chromatographic practice for monoclonal antibody separations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 141, 59-69	3.5	16
37	ANALYSIS OF SULFONAMIDE RESIDUES IN REAL HONEY SAMPLES USING LIQUID CHROMATOGRAPHY WITH FLUORESCENCE AND TANDEM MASS SPECTROMETRY DETECTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2013</b> , 36, 1105-1125	1.3	16
36	Evolution and Current Trends in Liquid and Supercritical Fluid Chromatography. <i>Current Chromatography</i> , <b>2014</b> , 1, 15-40	0.4	16
35	Determination of size variants by CE-SDS for approved therapeutic antibodies: Key implications of subclasses and light chain specificities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 184, 113166	3.5	15
34	Reliability of computer-assisted method transfer between several column dimensions packed with 1.3-5 $\mu$ m core-shell particles and between various instruments. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 94, 188-95	3.5	15
33	Evaluation of new superficially porous particles with carbon core and nanodiamond-polymer shell for proteins characterization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 104, 130-6	3.5	14

32	Is hydrophobic interaction chromatography the most suitable technique to characterize site-specific antibody-drug conjugates?. <i>Journal of Chromatography A</i> , <b>2019</b> , 1586, 149-153	4.5	14
31	Evaluation of a new wide-pore superficially porous material with carbon core and nanodiamond-polymer shell for the separation of proteins. <i>Journal of Chromatography A</i> , <b>2015</b> , 1414, 51-9	4.5	13
30	Current and future trends in reversed-phase liquid chromatography-mass spectrometry of therapeutic proteins. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 130, 115962	14.6	13
29	Apparent efficiency of serially coupled columns in isocratic and gradient elution modes. <i>Journal of Chromatography A</i> , <b>2018</b> , 1571, 121-131	4.5	12
28	Tuning selectivity in cation-exchange chromatography applied for monoclonal antibody separations, part 2: Evaluation of recent stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 172, 320-328	3.5	11
27	A workflow for column interchangeability in liquid chromatography using modeling software and quality-by-design principles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 146, 220-225	3.5	11
26	Comparison of various silica-based monoliths for the analysis of large biomolecules. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 2231-43	3.4	10
25	Prototype sphere-on-sphere silica particles for the separation of large biomolecules. <i>Journal of Chromatography A</i> , <b>2016</b> , 1431, 94-102	4.5	9
24	Use of Ultrashort Columns for Therapeutic Protein Separations. Part 1: Theoretical Considerations and Proof of Concept. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 1277-1284	7.8	9
23	Towards a simple on-line coupling of ion exchange chromatography and native mass spectrometry for the detailed characterization of monoclonal antibodies. <i>Journal of Chromatography A</i> , <b>2021</b> , 1655, 462499	4.5	9
22	Improving selectivity and performing online on-column fractioning in liquid chromatography for the separation of therapeutic biopharmaceutical products. <i>Journal of Chromatography A</i> , <b>2020</b> , 1618, 460904	4.5	8
21	Enhancing the Quality of Separation in One-Dimensional Peptide Mapping Using Mathematical Transformation. <i>Chromatographia</i> , <b>2012</b> , 75, 305-312	2.1	8
20	Importance of vial shape and type on the reproducibility of size exclusion chromatography measurement of monoclonal antibodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1032, 131-138	3.2	7
19	Negative gradient slope methods to improve the separation of closely eluting proteins. <i>Journal of Chromatography A</i> , <b>2021</b> , 1635, 461743	4.5	7
18	Use of Ultra-short Columns for Therapeutic Protein Separations, Part 2: Designing the Optimal Column Dimension for Reversed-Phase Liquid Chromatography. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 1285-1293	7.8	7
17	Impact of particle size gradients on the apparent efficiency of chromatographic columns. <i>Journal of Chromatography A</i> , <b>2019</b> , 1603, 208-215	4.5	6
16	Development of an innovative salt-mediated pH gradient cation exchange chromatography method for the characterization of therapeutic antibodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2020</b> , 1160, 122379	3.2	6
15	The importance of being metal-free: The critical choice of column hardware for size exclusion chromatography coupled to high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1183, 338987	6.6	6

14	Apparent efficiency of serially coupled columns in gradient elution liquid chromatography: Extension to the combination of any column formats. <i>Journal of Chromatography A</i> , <b>2019</b> , 1588, 159-162	4.5	5
13	Ultra-short ion-exchange columns for fast charge variants analysis of therapeutic proteins. <i>Journal of Chromatography A</i> , <b>2021</b> , 1657, 462568	4.5	4
12	Impact of the column on effluent pH in cation exchange pH gradient chromatography, a practical study. <i>Journal of Chromatography A</i> , <b>2020</b> , 1626, 461350	4.5	3
11	Influence of connection tubing in modern size exclusion chromatography and its impact on the characterization of mAbs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 149, 22-32	3.5	3
10	Size Exclusion and Ion Exchange Chromatographic Hardware Modified with a Hydrophilic Hybrid Surface.. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	3
9	New wide-pore superficially porous stationary phases with low hydrophobicity applied for the analysis of monoclonal antibodies. <i>Journal of Chromatography A</i> , <b>2021</b> , 1642, 462050	4.5	3
8	Aptamer-based immunoaffinity LC-MS using an ultra-short column for rapid attomole level quantitation of intact mAbs. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2021</b> , 1173, 122694	3.2	3
7	Using 1.5µm internal diameter columns for optimal compatibility with current liquid chromatographic systems. <i>Journal of Chromatography A</i> , <b>2021</b> , 1650, 462258	4.5	3
6	Salt gradient and ion-pair mediated anion exchange of intact messenger ribonucleic acids. <i>Journal of Chromatography Open</i> , <b>2022</b> , 2, 100031		2
5	Practical considerations on the particle size and permeability of ion-exchange columns applied to biopharmaceutical separations. <i>Journal of Chromatography A</i> , <b>2019</b> , 1604, 460487	4.5	1
4	Updating the European Pharmacopoeia impurity profiling method for terazosin and suggesting alternative columns. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 187, 113371	3.5	1
3	Algorithms to optimize multi-column chromatographic separations of proteins. <i>Journal of Chromatography A</i> , <b>2021</b> , 1637, 461838	4.5	1
2	Chromatographic Strategies for the Successful Characterization of Protein Biopharmaceuticals <b>2021</b> , 57-71		
1	Empirical correction of non-linear pH gradients and a tool for application to protein ion exchange chromatography. <i>Journal of Chromatography A</i> , <b>2021</b> , 1651, 462320	4.5	