

Davy Guillaume

List of Publications by Year in descending order

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254
papers

12,535
citations

18482

62
h-index

40979

93
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260
all docs

260
docs citations

260
times ranked

7180
citing authors

#	ARTICLE	IF	CITATIONS
1	Bispecific antibody characterization by a combination of intact and site-specific/chain-specific LC/MS techniques. <i>Talanta</i> , 2022, 236, 122836.	5.5	15
2	A New Practice to Monitor the Fabrication Process of Fab-Targeting Ligands from Bevacizumab by LC-MS: Preparation and Analytical Characterization. <i>Scientia Pharmaceutica</i> , 2022, 90, 5.	2.0	1
3	Trapping&Enrichment Multi&dimensional Liquid Chromatography with On&Line Deuterated Solvent Exchange for Streamlined Structure Elucidation at the Microgram Scale. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
4	Trapping&Enrichment Multi&dimensional Liquid Chromatography with On&Line Deuterated Solvent Exchange for Streamlined Structure Elucidation at the Microgram Scale. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
5	Direct coupling of size exclusion chromatography and mass spectrometry for the characterization of complex monoclonal antibody products. <i>Journal of Separation Science</i> , 2022, 45, 1997-2007.	2.5	8
6	Fast Optimization of Supercritical Fluid Chromatography&Mass Spectrometry Interfacing Using Prediction Equations. <i>Analytical Chemistry</i> , 2022, 94, 4841-4849.	6.5	5
7	Automated ion exchange chromatography screening combined with in silico multifactorial simulation for efficient method development and purification of biopharmaceutical targets. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3581-3591.	3.7	11
8	Monitoring multiple quality attributes of a complex Fc-fusion protein during cell culture production processes by mD-LC-MS peptide mapping. <i>Talanta</i> , 2022, 246, 123519.	5.5	7
9	A simple mathematical treatment for predicting linear solvent strength behaviour in gradient elution: application to biomolecules. <i>Journal of Separation Science</i> , 2022, , .	2.5	2
10	The impact of low adsorption surfaces for the analysis of DNA and RNA oligonucleotides. <i>Journal of Chromatography A</i> , 2022, 1677, 463324.	3.7	15
11	Sub/supercritical fluid chromatography versus liquid chromatography for peptide analysis. <i>Journal of Chromatography A</i> , 2022, 1676, 463282.	3.7	6
12	Negative gradient slope methods to improve the separation of closely eluting proteins. <i>Journal of Chromatography A</i> , 2021, 1635, 461743.	3.7	16
13	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> , 2021, 93, 1285-1293.	6.5	13
14	Use of Ultrashort Columns for Therapeutic Protein Separations. Part 1: Theoretical Considerations and Proof of Concept. <i>Analytical Chemistry</i> , 2021, 93, 1277-1284.	6.5	26
15	Ultra&high performance supercritical fluid chromatography coupled to tandem mass spectrometry for antidoping analyses: Assessment of the inter&laboratory reproducibility with urine samples. <i>Analytical Science Advances</i> , 2021, 2, 68-75.	2.8	4
16	Analytical challenges encountered and the potential of supercritical fluid chromatography: A perspective of five experts. <i>Analytical Science Advances</i> , 2021, 2, 76-80.	2.8	2
17	Therapeutic Fc&fusion proteins: Current analytical strategies. <i>Journal of Separation Science</i> , 2021, 44, 35-62.	2.5	78
18	Fast Afucosylation Profiling of Glycoengineered Antibody Subunits by Middle-Up Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2021, 2271, 73-83.	0.9	2

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19	Algorithms to optimize multi-column chromatographic separations of proteins. <i>Journal of Chromatography A</i> , 2021, 1637, 461838.	3.7	1
20	Multi-dimensional LC-MS: the next generation characterization of antibody-based therapeutics by unified online bottom-up, middle-up and intact approaches. <i>Analyst</i> , The, 2021, 146, 747-769.	3.5	48
21	Characterization of Glycosylated Proteins at Subunit Level by HILIC/MS. <i>Methods in Molecular Biology</i> , 2021, 2271, 85-95.	0.9	2
22	New wide-pore superficially porous stationary phases with low hydrophobicity applied for the analysis of monoclonal antibodies. <i>Journal of Chromatography A</i> , 2021, 1642, 462050.	3.7	8
23	Expanding the range of sub/supercritical fluid chromatography: Advantageous use of methanesulfonic acid in water-rich modifiers for peptide analysis. <i>Journal of Chromatography A</i> , 2021, 1642, 462048.	3.7	29
24	Ion mobility-high resolution mass spectrometry in anti-doping analysis. Part I: Implementation of a screening method with the assessment of a library of substances prohibited in sports. <i>Analytica Chimica Acta</i> , 2021, 1152, 338257.	5.4	20
25	Alternative mobile phase additives for the characterization of protein biopharmaceuticals in liquid chromatography " Mass spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1156, 338347.	5.4	14
26	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> , 2021, 1173, 122694.	2.3	7
27	State-of-the-Art Native Mass Spectrometry and Ion Mobility Methods to Monitor Homogeneous Site-Specific Antibody-Drug Conjugates Synthesis. <i>Pharmaceuticals</i> , 2021, 14, 498.	3.8	16
28	Metamorphosis of supercritical fluid chromatography: A viable tool for the analysis of polar compounds?. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 141, 116304.	11.4	39
29	Ion mobility-high resolution mass spectrometry in doping control analysis. Part II: Comparison of acquisition modes with and without ion mobility. <i>Analytica Chimica Acta</i> , 2021, 1175, 338739.	5.4	14
30	Empirical correction of non-linear pH gradients and a tool for application to protein ion exchange chromatography. <i>Journal of Chromatography A</i> , 2021, 1651, 462320.	3.7	1
31	Isolation and Identification of Isocoumarin Derivatives With Specific Inhibitory Activity Against Wnt Pathway and Metabolome Characterization of <i>Lasiodiplodia venezuelensis</i> . <i>Frontiers in Chemistry</i> , 2021, 9, 664489.	3.6	5
32	Using 1.5Åmm internal diameter columns for optimal compatibility with current liquid chromatographic systems. <i>Journal of Chromatography A</i> , 2021, 1650, 462258.	3.7	11
33	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> , 2021, 1655, 462499.	3.7	28
34	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> , 2021, 1183, 338987.	5.4	12
35	Ultra-short ion-exchange columns for fast charge variants analysis of therapeutic proteins. <i>Journal of Chromatography A</i> , 2021, 1657, 462568.	3.7	13
36	Inter-laboratory study to evaluate the performance of automated online characterization of antibody charge variants by multi-dimensional LC-MS/MS. <i>Talanta</i> , 2021, 234, 122628.	5.5	18

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37	Quantitative N-Glycan Profiling of Therapeutic Monoclonal Antibodies Performed by Middle-Up Level HILIC-HRMS Analysis. <i>Pharmaceutics</i> , 2021, 13, 1744.	4.5	12
38	Evaluation of additives on reversed-phase chromatography of monoclonal antibodies using a 1000Å ⁻ stationary phase. <i>Journal of Chromatography A</i> , 2020, 1610, 460562.	3.7	11
39	Supercritical fluid chromatographyâ€“mass spectrometry in routine anti-doping analyses: Estimation of retention time variability under reproducible conditions. <i>Journal of Chromatography A</i> , 2020, 1616, 460780.	3.7	11
40	From proof of concept to the routine use of an automated and robust multi-dimensional liquid chromatography mass spectrometry workflow applied for the charge variant characterization of therapeutic antibodies. <i>Journal of Chromatography A</i> , 2020, 1615, 460740.	3.7	34
41	Evaluation of Different Tandem MS Acquisition Modes to Support Metabolite Annotation in Human Plasma Using Ultra High-Performance Liquid Chromatography High-Resolution Mass Spectrometry for Untargeted Metabolomics. <i>Metabolites</i> , 2020, 10, 464.	2.9	9
42	Supercritical fluid chromatography â€“ Mass spectrometry in metabolomics: Past, present, and future perspectives. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1161, 122444.	2.3	43
43	Editorial for the virtual special issue SEP 2019. <i>Journal of Chromatography A</i> , 2020, 1619, 460888.	3.7	0
44	Investigating the use of unconventional temperatures in supercritical fluid chromatography. <i>Analytica Chimica Acta</i> , 2020, 1134, 84-95.	5.4	10
45	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> , 2020, 1160, 122379.	2.3	13
46	Targeted Bottom-up Characterization of Recombinant Monoclonal Antibodies by Multidimensional LC/MS. <i>Analytical Chemistry</i> , 2020, 92, 13420-13426.	6.5	18
47	Glycan-Mediated Technology for Obtaining Homogeneous Site-Specific Conjugated Antibodyâ€“Drug Conjugates: Synthesis and Analytical Characterization by Using Complementary Middle-up LC/HRMS Analysis. <i>Analytical Chemistry</i> , 2020, 92, 8170-8177.	6.5	17
48	Impact of the column on effluent pH in cation exchange pH gradient chromatography, a practical study. <i>Journal of Chromatography A</i> , 2020, 1626, 461350.	3.7	11
49	Applicability of Supercritical fluid chromatographyâ€“Mass spectrometry to metabolomics. IIâ€“Assessment of a comprehensive library of metabolites and evaluation of biological matrices. <i>Journal of Chromatography A</i> , 2020, 1620, 461021.	3.7	34
50	Interlaboratory and Interplatform Study of Steroids Collision Cross Section by Traveling Wave Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 5013-5022.	6.5	56
51	Editorial for the special issue titled â€œBiopharmaceuticals 2020â€• <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 183, 113198.	2.8	0
52	Current and future trends in reversed-phase liquid chromatography-mass spectrometry of therapeutic proteins. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115962.	11.4	28
53	Non-invasive targeted iontophoretic delivery of cetuximab to skin. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 589-602.	5.0	18
54	Development of a 3D-LC/MS Workflow for Fast, Automated, and Effective Characterization of Glycosylation Patterns of Biotherapeutic Products. <i>Analytical Chemistry</i> , 2020, 92, 4357-4363.	6.5	29

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55	Coupling non-denaturing chromatography to mass spectrometry for the characterization of monoclonal antibodies and related products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113207.	2.8	38
56	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> , 2020, 184, 113166.	2.8	30
57	Automated middle-up approach for the characterization of biotherapeutic products by combining on-line hinge-specific digestion with RPLC-HRMS analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 182, 113130.	2.8	10
58	Improving selectivity and performing online on-column fractioning in liquid chromatography for the separation of therapeutic biopharmaceutical products. <i>Journal of Chromatography A</i> , 2020, 1618, 460901.	3.7	13
59	Fast and Automated Characterization of Monoclonal Antibody Minor Variants from Cell Cultures by Combined Protein-A and Multidimensional LC/MS Methodologies. <i>Analytical Chemistry</i> , 2020, 92, 8506-8513.	6.5	30
60	Supercritical fluid chromatography – Mass spectrometry: Recent evolution and current trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 731-738.	11.4	61
61	Impact of particle size gradients on the apparent efficiency of chromatographic columns. <i>Journal of Chromatography A</i> , 2019, 1603, 208-215.	3.7	10
62	Streamlined Characterization of an Antibody–Drug Conjugate by Two-Dimensional and Four-Dimensional Liquid Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 14896-14903.	6.5	39
63	Analytical strategies for the determination of amino acids: Past, present and future trends. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1132, 121819.	2.3	63
64	Glycosylation of biosimilars: Recent advances in analytical characterization and clinical implications. <i>Analytica Chimica Acta</i> , 2019, 1089, 1-18.	5.4	62
65	Proof of Concept To Achieve Infinite Selectivity for the Chromatographic Separation of Therapeutic Proteins. <i>Analytical Chemistry</i> , 2019, 91, 12954-12961.	6.5	30
66	Practical considerations on the particle size and permeability of ion-exchange columns applied to biopharmaceutical separations. <i>Journal of Chromatography A</i> , 2019, 1604, 460487.	3.7	5
67	Cutting-edge multi-level analytical and structural characterization of antibody-drug conjugates: present and future. <i>Expert Review of Proteomics</i> , 2019, 16, 337-362.	3.0	47
68	The Emergence of Universal Chromatographic Methods in the Research and Development of New Drug Substances. <i>Accounts of Chemical Research</i> , 2019, 52, 1990-2002.	15.6	50
69	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> , 2019, 172, 320-328.	2.8	17
70	Utility of dry load injection for an efficient natural products isolation at the semi-preparative chromatographic scale. <i>Journal of Chromatography A</i> , 2019, 1598, 85-91.	3.7	33
71	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> , 2019, 168, 138-147.	2.8	28
72	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> , 2019, 1588, 159-162.	3.7	5

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73	Is hydrophobic interaction chromatography the most suitable technique to characterize site-specific antibody-drug conjugates?. <i>Journal of Chromatography A</i> , 2019, 1586, 149-153.	3.7	18
74	Recent Advances in Chromatography for Pharmaceutical Analysis. <i>Analytical Chemistry</i> , 2019, 91, 210-239.	6.5	85
75	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> , 2019, 164, 395-401.	2.8	44
76	A generic workflow for the characterization of therapeutic monoclonal antibodies—application to daratumumab. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4615-4627.	3.7	28
77	A scoring approach for multi-platform acquisition in metabolomics. <i>Journal of Chromatography A</i> , 2019, 1592, 47-54.	3.7	40
78	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> , 2019, 91, 873-880.	6.5	29
79	Characterization of an antibody-drug conjugate by hydrophilic interaction chromatography coupled to mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1080, 37-41.	2.3	39
80	Natural compounds analysis using liquid and supercritical fluid chromatography hyphenated to mass spectrometry: Evaluation of a new design of atmospheric pressure ionization source. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 1-11.	2.3	18
81	Extending the limits of size exclusion chromatography: Simultaneous separation of free payloads and related species from antibody drug conjugates and their aggregates. <i>Journal of Chromatography A</i> , 2018, 1539, 19-29.	3.7	22
82	Systematic evaluation of matrix effects in supercritical fluid chromatography versus liquid chromatography coupled to mass spectrometry for biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1079, 51-61.	2.3	39
83	Development of Comprehensive Online Two-Dimensional Liquid Chromatography/Mass Spectrometry Using Hydrophilic Interaction and Reversed-Phase Separations for Rapid and Deep Profiling of Therapeutic Antibodies. <i>Analytical Chemistry</i> , 2018, 90, 5923-5929.	6.5	78
84	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> , 2018, 155, 116-124.	2.8	31
85	Hyphenation of size exclusion chromatography to native ion mobility mass spectrometry for the analytical characterization of therapeutic antibodies and related products. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1086, 176-183.	2.3	69
86	On-tubing fluorescence measurements of the band broadening of contemporary injectors in ultra-high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2018, 1535, 44-54.	3.7	11
87	An Online Four-Dimensional HIC-SEC-IM-MS Methodology for Proof-of-Concept Characterization of Antibody Drug Conjugates. <i>Analytical Chemistry</i> , 2018, 90, 1578-1586.	6.5	75
88	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> , 2018, 1549, 63-76.	3.7	36
89	What are the current solutions for interfacing supercritical fluid chromatography and mass spectrometry?. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 160-170.	2.3	71
90	Current possibilities of liquid chromatography for the characterization of antibody-drug conjugates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 493-505.	2.8	54

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91	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> , 2018, 149, 22-32.	2.8	5
92	Monoclonal antibody N-glycosylation profiling using capillary electrophoresis â€“ Mass spectrometry: Assessment and method validation. <i>Talanta</i> , 2018, 178, 530-537.	5.5	50
93	Adding a new separation dimension to MS and LCâ€“MS: What is the utility of ion mobility spectrometry?. <i>Journal of Separation Science</i> , 2018, 41, 20-67.	2.5	140
94	Development of a LCâ€“MS/MS method for the determination of isomeric glutamyl peptides in food ingredients. <i>Journal of Separation Science</i> , 2018, 41, 847-855.	2.5	9
95	Improved separation by at-column dilution in preparative hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2018, 1532, 136-143.	3.7	3
96	5. What is the potential of SFC-MS for doping control analysis?. , 2018, , 111-128.		0
97	A Novel Online Four-Dimensional SECÃ—SEC-IMÃ—MS Methodology for Characterization of Monoclonal Antibody Size Variants. <i>Analytical Chemistry</i> , 2018, 90, 13929-13937.	6.5	49
98	First inter-laboratory study of a Supercritical Fluid Chromatography method for the determination of pharmaceutical impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 414-424.	2.8	47
99	Editorial for the special issue entitled â€œsupercritical fluid chromatography â€“ mass spectrometryâ€: <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1095, 275.	2.3	0
100	Highâ€“resolution separation of monoclonal antibodies mixtures and their charge variants by an alternative and generic CZE method. <i>Electrophoresis</i> , 2018, 39, 2083-2090.	2.4	24
101	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> , 2018, 1092, 368-378.	2.3	48
102	Characterizing various monoclonal antibodies with milder reversed phase chromatography conditions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1096, 1-10.	2.3	25
103	An attempt to characterize the human Chorionic Gonadotropin protein by reversed phase liquid chromatography coupled with high-resolution mass spectrometry at the intact level. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 35-44.	2.8	17
104	Protocols for the analytical characterization of therapeutic monoclonal antibodies. III â€“ Denaturing chromatographic techniques hyphenated to mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1096, 95-106.	2.3	28
105	Apparent efficiency of serially coupled columns in isocratic and gradient elution modes. <i>Journal of Chromatography A</i> , 2018, 1571, 121-131.	3.7	15
106	Applicability of supercritical fluid chromatography â€“ mass spectrometry to metabolomics. I â€“ Optimization of separation conditions for the simultaneous analysis of hydrophilic and lipophilic substances. <i>Journal of Chromatography A</i> , 2018, 1562, 96-107.	3.7	84
107	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> , 2018, 158, 225-235.	2.8	25
108	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> , 2017, 89, 2086-2092.	6.5	77

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109	Separation of antibody drug conjugate species by RPLC: A generic method development approach. Journal of Pharmaceutical and Biomedical Analysis, 2017, 137, 60-69.	2.8	24
110	Development of a fast workflow to screen the charge variants of therapeutic antibodies. Journal of Chromatography A, 2017, 1498, 147-154.	3.7	31
111	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.	2.8	21
112	Protocols for the analytical characterization of therapeutic monoclonal antibodies. I " Non-denaturing chromatographic techniques. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1058, 73-84.	2.3	42
113	Optimized selection of liquid chromatography conditions for wide range analysis of natural compounds. Journal of Chromatography A, 2017, 1504, 91-104.	3.7	28
114	Quantitative determination of salbutamol sulfate impurities using achiral supercritical fluid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 170-180.	2.8	46
115	Analysis of recombinant monoclonal antibodies in hydrophilic interaction chromatography: A generic method development approach. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 24-32.	2.8	32
116	Antineoplastic drugs and their analysis: a state of the art review. Analyst, The, 2017, 142, 2273-2321.	3.5	41
117	Protocols for the analytical characterization of therapeutic monoclonal antibodies. II " Enzymatic and chemical sample preparation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1060, 325-335.	2.3	59
118	The importance of system band broadening in modern size exclusion chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2017, 135, 50-60.	2.8	23
119	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.	3.7	24
120	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.	2.3	135
121	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.	2.3	73
122	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.	2.8	18
123	A systematic investigation of sample diluents in modern supercritical fluid chromatography. Journal of Chromatography A, 2017, 1511, 122-131.	3.7	67
124	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.	2.8	25
125	Evaluation of size exclusion chromatography columns packed with sub-3 μ m particles for the analysis of biopharmaceutical proteins. Journal of Chromatography A, 2017, 1498, 80-89.	3.7	64
126	Theory and Practice of UHPLC and UHPLC-MS. , 2017, , 1-38.		1

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127	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1032, 103-111.	2.3	51
128	Editorial for the special issue entitled "Biopharmaceuticals 2016". Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1032, 1-2.	2.3	0
129	Evaluation of thermally pretreated silica stationary phases under hydrophilic interaction chromatography conditions. Journal of Separation Science, 2016, 39, 1611-1618.	2.5	0
130	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.	5.2	76
131	Liquid chromatography and supercritical fluid chromatography as alternative techniques to gas chromatography for the rapid screening of anabolic agents in urine. Journal of Chromatography A, 2016, 1451, 145-155.	3.7	60
132	Potential of hydrophilic interaction chromatography for the analytical characterization of protein biopharmaceuticals. Journal of Chromatography A, 2016, 1448, 81-92.	3.7	80
133	Ultra-high performance supercritical fluid chromatography coupled with quadrupole-time-of-flight mass spectrometry as a performing tool for bioactive analysis. Journal of Chromatography A, 2016, 1450, 101-111.	3.7	56
134	Hydrophobic interaction chromatography for the characterization of monoclonal antibodies and related products. Journal of Pharmaceutical and Biomedical Analysis, 2016, 130, 3-18.	2.8	104
135	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.	2.3	8
136	Impact of organic modifier and temperature on protein denaturation in hydrophobic interaction chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2016, 131, 124-132.	2.8	28
137	Computer assisted liquid chromatographic method development for the separation of therapeutic proteins. Analyst, The, 2016, 141, 5488-5501.	3.5	22
138	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.	2.3	30
139	Preparative Scale MS-Guided Isolation of Bioactive Compounds Using High-Resolution Flash Chromatography: Antifungals from <i>Chiloscyphus polyanthos</i> as a Case Study. Planta Medica, 2016, 82, 1051-1057.	1.3	11
140	Prototype sphere-on-sphere silica particles for the separation of large biomolecules. Journal of Chromatography A, 2016, 1431, 94-102.	3.7	9
141	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. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 161-173.	2.8	46
142	Separation of substrates and closely related glucuronide metabolites using various chromatographic modes. Journal of Chromatography A, 2016, 1435, 54-65.	3.7	18
143	Chromatographic, Electrophoretic, and Mass Spectrometric Methods for the Analytical Characterization of Protein Biopharmaceuticals. Analytical Chemistry, 2016, 88, 480-507.	6.5	205
144	Fast and sensitive supercritical fluid chromatography "tandem mass spectrometry multi-class screening method for the determination of doping agents in urine. Analytica Chimica Acta, 2016, 915, 102-110.	5.4	57

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