Valentina D'Atri

List of Publications by Year
in descending order

47	1,738	218677	276875
papers	citations	26 h-index	41 g-index

52	52	52	1944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bispecific antibody characterization by a combination of intact and site-specific/chain-specific LC/MS techniques. Talanta, 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. Scientia Pharmaceutica, 2022, 90, 5.	2.0	1
3	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.	2.5	8
4	The impact of low adsorption surfaces for the analysis of DNA and RNA oligonucleotides. Journal of Chromatography A, 2022, 1677, 463324.	3.7	15
5	Therapeutic Fcâ€fusion proteins: Current analytical strategies. Journal of Separation Science, 2021, 44, 35-62.	2.5	78
6	Characterization of Glycosylated Proteins at Subunit Level by HILIC/MS. Methods in Molecular Biology, 2021, 2271, 85-95.	0.9	2
7	Alternative mobile phase additives for the characterization of protein biopharmaceuticals in liquid chromatography â€“ Mass spectrometry. Analytica Chimica Acta, 2021, 1156, 338347.	5.4	14
8	State-of-the-Art Native Mass Spectrometry and Ion Mobility Methods to Monitor Homogeneous Site-Specific Antibody-Drug Conjugates Synthesis. Pharmaceuticals, 2021, 14, 498.	3.8	16
9	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.	3.7	28
10	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.	5.4	12
11	Quantitative N-Glycan Profiling of Therapeutic Monoclonal Antibodies Performed by Middle-Up Level HILIC-HRMS Analysis. Pharmaceutics, 2021, 13, 1744.	4.5	12
12	Glycan-Mediated Technology for Obtaining Homogeneous Site-Specific Conjugated Antibodyâ€“Drug Conjugates: Synthesis and Analytical Characterization by Using Complementary Middle-up LC/HRMS Analysis. Analytical Chemistry, 2020, 92, 8170-8177.	6.5	17
13	Interlaboratory and Interplatform Study of Steroids Collision Cross Section by Traveling Wave Ion Mobility Spectrometry. Analytical Chemistry, 2020, 92, 5013-5022.	6.5	56
14	Current and future trends in reversed-phase liquid chromatography-mass spectrometry of therapeutic proteins. TrAC - Trends in Analytical Chemistry, 2020, 130, 115962.	11.4	28
15	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.	2.8	30
16	Glycosylation of biosimilars: Recent advances in analytical characterization and clinical implications. Analytica Chimica Acta, 2019, 1089, 1-18.	5.4	62
17	DNA and RNA telomeric G-quadruplexes: what topology features can be inferred from ion mobility mass spectrometry?. Analyst, The, 2019, 144, 6074-6088.	3.5	15
18	Cutting-edge multi-level analytical and structural characterization of antibody-drug conjugates: present and future. Expert Review of Proteomics, 2019, 16, 337-362.	3.0	47

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19	The Emergence of Universal Chromatographic Methods in the Research and Development of New Drug Substances. Accounts of Chemical Research, 2019, 52, 1990-2002.	15.6	50
20	Is hydrophobic interaction chromatography the most suitable technique to characterize site-specific antibody-drug conjugates?. Journal of Chromatography A, 2019, 1586, 149-153.	3.7	18
21	Recent Advances in Chromatography for Pharmaceutical Analysis. Analytical Chemistry, 2019, 91, 210-239.	6.5	85
22	A generic workflow for the characterization of therapeutic monoclonal antibodiesâ€"application to daratumumab. Analytical and Bioanalytical Chemistry, 2019, 411, 4615-4627.	3.7	28
23	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.	6.5	29
24	Characterization of an antibody-drug conjugate by hydrophilic interaction chromatography coupled to mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1080, 37-41.	2.3	39
25	An Online Four-Dimensional HICÃ—SEC-IMÃ—MS Methodology for Proof-of-Concept Characterization of Antibody Drug Conjugates. Analytical Chemistry, 2018, 90, 1578-1586.	6.5	75
26	Monoclonal antibody N-glycosylation profiling using capillary electrophoresis â€“ Mass spectrometry: Assessment and method validation. Talanta, 2018, 178, 530-537.	5.5	50
27	Adding a new separation dimension to MS and LCâ€“MS: What is the utility of ion mobility spectrometry?. Journal of Separation Science, 2018, 41, 20-67.	2.5	140
28	A Novel Online Four-Dimensional SECÃ—SEC-IMÃ—MS Methodology for Characterization of Monoclonal Antibody Size Variants. Analytical Chemistry, 2018, 90, 13929-13937.	6.5	49
29	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.	2.3	25
30	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.	2.3	28
31	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.	6.5	77
32	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.	2.3	42
33	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
34	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.	2.3	59
35	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
36	Screening Platform toward New Anti-HIV Aptamers Set on Molecular Docking and Fluorescence Quenching Techniques. Analytical Chemistry, 2016, 88, 2327-2334.	6.5	18

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37	Linking molecular models with ion mobility experiments. Illustration with a rigid nucleic acid structure. Journal of Mass Spectrometry, 2015, 50, 711-726.	1.6	69
38	DNA-based nanostructures: The effect of the base sequence on octamer formation from d(XGGYGGT) tetramolecular G-quadruplexes. Biochimie, 2014, 99, 119-128.	2.6	20
39	Synthesis of 2,6â€Ðialkyl(aryl)purine Nucleosides by Exploiting the Reactivity of Nebularine N1â€Oxide towards Grignard Reagents. European Journal of Organic Chemistry, 2013, 2013, 6948-6954.	2.4	7
40	Structureâ€“phenotype correlations of human CYP21A2 mutations in congenital adrenal hyperplasia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2605-2610.	7.1	107
41	Investigating the Role of T₇ and T₁₂ Residues on the Biological Properties of Thrombin-Binding Aptamer: Enhancement of Anticoagulant Activity by a Single Nucleobase Modification. Journal of Medicinal Chemistry, 2012, 55, 10716-10728.	6.4	42
42	New anti-HIV aptamers based on tetra-end-linked DNA G-quadruplexes: effect of the base sequence on anti-HIV activity. Chemical Communications, 2012, 48, 9516.	4.1	31
43	Insight into Pyridinium Chlorochromate Chemistry: Catalytic Oxidation of Tetrahydrofuran Compounds and Synthesis of Umbelactone. European Journal of Organic Chemistry, 2012, 2012, 4293-4305.	2.4	10
44	Insight Into the Conformational Arrangement of a Bis-THF Diol Compound Through 2D-NMR Studies and X-Ray Structural Analysis. Journal of Chemical Crystallography, 2012, 42, 360-365.	1.1	1
45	Solid-phase synthesis and pharmacological evaluation of novel nucleoside-tethered dinuclear platinum(II) complexes. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5835-5838.	2.2	15
46	Probing the reactivity of nebularine N1-oxide. A novel approach to C-6 C-substituted purine nucleosides. Tetrahedron, 2011, 67, 6138-6144.	1.9	18
47	d(CGGTGGT) forms an octameric parallel G-quadruplex via stacking of unusual G(:C):G(:C):G(:C):G(:C) octads. Nucleic Acids Research, 2011, 39, 7848-7857.	14.5	42