

Andrea F G Gargano

List of Publications by Year in descending order

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32
papers

1,035
citations

471371

17
h-index

434063

31
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34
all docs

34
docs citations

34
times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing separations in online comprehensive two-dimensional liquid chromatography. <i>Journal of Separation Science</i> , 2018, 41, 68-98.	1.3	176
2	Reducing Dilution and Analysis Time in Online Comprehensive Two-Dimensional Liquid Chromatography by Active Modulation. <i>Analytical Chemistry</i> , 2016, 88, 1785-1793.	3.2	93
3	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.	3.2	80
4	Selectivity issues in targeted metabolomics: Separation of phosphorylated carbohydrate isomers by mixed-mode hydrophilic interaction/weak anion exchange chromatography. <i>Journal of Separation Science</i> , 2010, 33, 3273-3282.	1.3	76
5	Monoliths with chiral surface functionalization for enantioselective capillary electrochromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1091-1123.	1.4	62
6	High binding capacity surface grafted monolithic columns for cation exchange chromatography of proteins and peptides. <i>Journal of Chromatography A</i> , 2009, 1216, 6824-6830.	1.8	47
7	Comprehensive lipidomic analysis of human plasma using multidimensional liquid- and gas-phase separations: Two-dimensional liquid chromatography-mass spectrometry vs. liquid chromatography-trapped-ion-mobility-mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1530, 90-103.	1.8	44
8	Increasing the Separation Capacity of Intact Histone Proteoforms Chromatography Coupling Online Weak Cation Exchange-HILIC to Reversed Phase LC UVPD-HRMS. <i>Journal of Proteome Research</i> , 2018, 17, 3791-3800.	1.8	43
9	Capillary HILIC-MS: A New Tool for Sensitive Top-Down Proteomics. <i>Analytical Chemistry</i> , 2018, 90, 6601-6609.	3.2	39
10	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.	1.8	35
11	Mixed-mode chromatography with zwitterionic phosphopeptidomimetic selectors from Ugi multicomponent reaction. <i>Journal of Chromatography A</i> , 2013, 1317, 12-21.	1.8	32
12	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.	2.6	31
13	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, 3383-49.	2.6	29
14	Switching solvent and enhancing analyte concentrations in small effluent fractions using in-column focusing. <i>Journal of Chromatography A</i> , 2016, 1427, 90-95.	1.8	27
15	Direct high-performance liquid chromatographic enantioseparation of free $\hat{1}\pm$, $\hat{1}^2$ - and $\hat{1}^3$ -aminophosphonic acids employing cinchona-based chiral zwitterionic ion exchangers. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8027-8038.	1.9	22
16	Chemoaffinity Material for Plasmid DNA Analysis by High-Performance Liquid Chromatography with Condition-Dependent Switching between Isoform and Topoisomer Selectivity. <i>Analytical Chemistry</i> , 2013, 85, 2913-2920.	3.2	19
17	Accurate modelling of the retention behaviour of peptides in gradient-elution hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1614, 460650.	1.8	19
18	Mucin-based stationary phases as tool for the characterization of drug-mucus interaction. <i>Journal of Chromatography A</i> , 2014, 1351, 70-81.	1.8	18

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19	MS-Based Allotype-Specific Analysis of Polyclonal IgG-Fc N-Glycosylation. <i>Frontiers in Immunology</i> , 2020, 11, 2049.	2.2	17
20	Computer-aided gradient optimization of hydrophilic interaction liquid chromatographic separations of intact proteins and protein glycoforms. <i>Journal of Chromatography A</i> , 2019, 1598, 67-76.	1.8	16
21	Profiling of a high mannose-type N-glycosylated lipase using hydrophilic interaction chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2020, 1109, 69-77.	2.6	16
22	Hydrophilic interaction chromatography “ mass spectrometry for metabolomics and proteomics: state-of-the-art and current trends. <i>Microchemical Journal</i> , 2022, 175, 106986.	2.3	16
23	Online Hydrophilic Interaction Chromatography (HILIC) Enhanced Top-Down Mass Spectrometry Characterization of the SARS-CoV-2 Spike Receptor-Binding Domain. <i>Analytical Chemistry</i> , 2022, 94, 5909-5917.	3.2	15
24	Confinement of Monolithic Stationary Phases in Targeted Regions of 3D-Printed Titanium Devices Using Thermal Polymerization. <i>Analytical Chemistry</i> , 2020, 92, 2589-2596.	3.2	14
25	Single-Step Ugi Multicomponent Reaction for the Synthesis of Phosphopeptidomimetics. <i>Journal of Organic Chemistry</i> , 2013, 78, 10077-10087.	1.7	10
26	Microfluidic ion stripper for removal of trifluoroacetic acid from mobile phases used in HILIC-MS of intact proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4379-4386.	1.9	9
27	Investigation of the effects of solvent-mismatch and immiscibility in normal-phase—Aqueous reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2022, 1665, 462818.	1.8	9
28	Living with Breakthrough: Two-Dimensional Liquid-Chromatography Separations of a Water-Soluble Synthetically Grafted Bio-Polymer. <i>Separations</i> , 2020, 7, 41.	1.1	6
29	Poly(acrylamide-co-N,N ² -methylenebisacrylamide) Monoliths for High-Peak-Capacity Hydrophilic-Interaction Chromatography—High-Resolution Mass Spectrometry of Intact Proteins at Low Trifluoroacetic Acid Content. <i>Analytical Chemistry</i> , 2021, 93, 16000-16007.	3.2	5
30	Phosphopeptidomimetic substance libraries from multicomponent reaction: Enantioseparation on quinidine carbamate stationary phase. <i>Journal of Chromatography A</i> , 2013, 1310, 56-65.	1.8	4
31	Fast determination of functionality-type— molecular-weight distribution of propoxylates with varying numbers of hydroxyl end-groups using gradient—normal-phase liquid chromatography— ultra-high pressure size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2021, 1659, 462644.	1.8	4
32	Hydrophilic interaction liquid chromatography-mass spectrometry for the characterization of glycoproteins at the glycan, peptide, subunit, and intact level. , 2021, , 209-278.		2