Myeong Hee Moon

List of Publications by Year
in descending order

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		87723	149479
169	4,933	38	56
papers	citations	h-index	g-index

171	171	171	4567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proteomic Analysis of Exosomes from Human Neural Stem Cells by Flow Field-Flow Fractionation and Nanoflow Liquid Chromatographyâ^'Tandem Mass Spectrometry. Journal of Proteome Research, 2008, 7, 3475-3480.	1.8	161
2	Field-flow fractionation in bioanalysis: A review of recent trends. Analytica Chimica Acta, 2009, 635, 132-143.	2.6	160
3	Bifidobacterium bifidum strains synergize with immune checkpoint inhibitors to reduce tumour burden in mice. Nature Microbiology, 2021, 6, 277-288.	5.9	130
4	Size Dependent Lipidomic Analysis of Urinary Exosomes from Patients with Prostate Cancer by Flow Field-Flow Fractionation and Nanoflow Liquid Chromatography-Tandem Mass Spectrometry. Analytical Chemistry, 2017, 89, 2488-2496.	3.2	119
5	Shotgun lipidomics for candidate biomarkers of urinary phospholipids in prostate cancer. Analytical and Bioanalytical Chemistry, 2011, 399, 823-830.	1.9	118
6	Development of High-Sensitivity Ion Trap Ion Mobility Spectrometry Time-of-Flight Techniques:Â A High-Throughput Nano-LC-IMS-TOF Separation of Peptides Arising from aDrosophilaProtein Extract. Analytical Chemistry, 2003, 75, 5137-5145.	3.2	111
7	Particle size distribution by sedimentation/steric field-flow fractionation: development of a calibration procedure based on density compensation. Analytical Chemistry, 1991, 63, 1366-1372.	3.2	86
8	Quantitative analysis of phosphatidylcholines and phosphatidylethanolamines in urine of patients with breast cancer by nanoflow liquid chromatography/tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2009, 393, 1649-1656.	1.9	80
9	On-Line Hollow-Fiber Flow Field-Flow Fractionation-Electrospray Ionization/Time-of-Flight Mass Spectrometry of Intact Proteins. Analytical Chemistry, 2005, 77, 47-56.	3.2	72
10	Quantitative analysis of urinary phospholipids found in patients with breast cancer by nanoflow liquid chromatographyâ€“tandem mass spectrometry: II. Negative ion mode analysis of four phospholipid classes. Analytical and Bioanalytical Chemistry, 2010, 396, 1273-1280.	1.9	71
11	Analysis of polyamines as carbamoyl derivatives in urine and serum by liquid chromatographyâ€“tandem mass spectrometry. Biomedical Chromatography, 2008, 22, 73-80.	0.8	69
12	Simultaneous profiling of lysophospholipids and phospholipids from human plasma by nanoflow liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 400, 2953-2961.	1.9	68
13	Effect of viscosity on retention time and hydrodynamic lift forces in sedimentation/steric field-flow fractionation. Chemical Engineering Science, 1996, 51, 4477-4488.	1.9	64
14	Optimized extraction of phospholipids and lysophospholipids for nanoflow liquid chromatography-electrospray ionization-tandem mass spectrometry. Analyst, The, 2012, 137, 451-458.	1.7	61
15	Hyperlayer hollow-fiber flow field-flow fractionation of cells. Journal of Chromatography A, 2003, 985, 519-529.	1.8	60
16	Bacteria Sorting by Field-Flow Fractionation. Application to Whole-CellEscherichia coliVaccine Strains. Analytical Chemistry, 2002, 74, 4895-4904.	3.2	59
17	Flow field-flow fractionation: A pre-analytical method for proteomics. Journal of Proteomics, 2008, 71, 265-276.	1.2	59
18	Hollow-Fiber Flow Field-Flow Fractionation for Whole Bacteria Analysis by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2004, 76, 2103-2111.	3.2	58

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19	Nanoflow LC/Ion Mobility/CID/TOF for Proteomics:Â Analysis of a Human Urinary Proteome. Journal of Proteome Research, 2003, 2, 589-597.	1.8	56
20	Separation of mitochondria by flow field-flow fractionation for proteomic analysis. Analyst, The, 2008, 133, 505.	1.7	55
21	Toward Full Spectrum Speciation of Silver Nanoparticles and Ionic Silver by On-Line Coupling of Hollow Fiber Flow Field-Flow Fractionation and Minicolumn Concentration with Multiple Detectors. Analytical Chemistry, 2015, 87, 8441-8447.	3.2	54
22	Plasma lipid profile comparison of five different cancers by nanoflow ultrahigh performance liquid chromatography-tandem mass spectrometry. Analytica Chimica Acta, 2019, 1063, 117-126.	2.6	54
23	Determination of Mean Diameter and Particle Size Distribution of Acrylate Latex Using Flow Field-Flow Fractionation, Photon Correlation Spectroscopy, and Electron Microscopy. Analytical Chemistry, 1996, 68, 1545-1549.	3.2	52
24	Size distribution of liposomes by flow field-flow fractionation. Journal of Pharmaceutical and Biomedical Analysis, 1993, 11, 911-920.	1.4	51
25	Improvement in Particle Separation by Hollow Fiber Flow Field-Flow Fractionation and the Potential Use in Obtaining Particle Size Distribution. Analytical Chemistry, 1999, 71, 3446-3452.	3.2	51
26	Separation and selective detection of lipoprotein particles of patients with coronary artery disease by frit-inlet asymmetrical flow field-flow fractionation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 780, 415-422.	1.2	51
27	Measurement of particle density, porosity, and size distributions by sedimentation/steric field-flow fractionation: application to chromatographic supports. Analytical Chemistry, 1991, 63, 2869-2877.	3.2	49
28	Shotgun analysis of phospholipids from mouse liver and brain by nanoflow liquid chromatography/tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 268-277.	1.2	47
29	Rapid Separation and Measurement of Particle Size Distribution of Starch Granules by Sedimentation/Steric Field-Flow Fractionation. Journal of Food Science, 1993, 58, 1166-1171.	1.5	46
30	Hollow Fiber Flow Field-Flow Fractionation of Proteins Using a Microbore Channel. Analytical Chemistry, 2005, 77, 4207-4212.	3.2	46
31	Separation of carbon nanotubes by frit inlet asymmetrical flow field-flow fractionation. Journal of Separation Science, 2004, 27, 710-717.	1.3	45
32	Rapid and simple extraction of lipids from blood plasma and urine for liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2014, 1331, 19-26.	1.8	44
33	Size characterization of liposomes by flow field-flow fractionation and photon correlation spectroscopy. Journal of Chromatography A, 1998, 813, 91-100.	1.8	43
34	Nanoflow liquid chromatographyâ€“tandem mass spectrometry for the characterization of intact phosphatidylcholines from soybean, bovine brain, and liver. Journal of Chromatography A, 2006, 1104, 222-229.	1.8	42
35	Analysis of phospholipids using an openâ€tubular capillary column with a monolithic layer of molecularly imprinted polymer in capillary electrochromatographyâ€electrospray ionizationâ€tandem mass spectrometry. Electrophoresis, 2011, 32, 2167-2173.	1.3	42
36	On-line two-dimensional capillary strong anion exchange/reversed phase liquid chromatographyâ€“tandem mass spectrometry for comprehensive lipid analysis. Journal of Chromatography A, 2013, 1310, 82-90.	1.8	42

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37	Tracking the Transformation of Nanoparticulate and Ionic Silver at Environmentally Relevant Concentration Levels by Hollow Fiber Flow Field-Flow Fractionation Coupled to ICPMS. Environmental Science & Technology, 2017, 51, 12369-12376.	4.6	42
38	Development of Non-Gel-Based Two-Dimensional Separation of Intact Proteins by an On-Line Hyphenation of Capillary Isoelectric Focusing and Hollow Fiber Flow Field-Flow Fractionation. Analytical Chemistry, 2006, 78, 5789-5798.	3.2	41
39	Lipidomic alterations in lipoproteins of patients with mild cognitive impairment and Alzheimerâ€™s disease by asymmetrical flow field-flow fractionation and nanoflow ultrahigh performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2018, 1568, 91-100.	1.8	40
40	Extension of sedimentation/steric field-flow fractionation into the submicrometer range: size analysis of 0.2-15-.mu.m metal particles. Analytical Chemistry, 1992, 64, 3029-3037.	3.2	39
41	Nanoflow LC/IMS-MS and LC/IMS-CID/MS of protein mixtures. Journal of the American Society for Mass Spectrometry, 2004, 15, 1341-1353.	1.2	38
42	Miniaturized asymmetrical flow field-flow fractionation: Application to biological vesicles. Journal of Separation Science, 2007, 30, 1082-1087.	1.3	38
43	Profiling of human urinary phospholipids by nanoflow liquid chromatography/tandem mass spectrometry. Analyst, The, 2008, 133, 1656.	1.7	38
44	Targeted Mass Spectrometric Approach for Biomarker Discovery and Validation with Nonglycosylated Tryptic Peptides from N-linked Glycoproteins in Human Plasma. Molecular and Cellular Proteomics, 2011, 10, M111.009290.	2.5	38
45	Dual-purpose sample trap for on-line strong cation-exchange chromatography/reversed-phase liquid chromatography/tandem mass spectrometry for shotgun proteomics. Journal of Chromatography A, 2005, 1070, 193-200.	1.8	36
46	Profiling of phospholipids in lipoproteins by multiplexed hollow fiber flow field-flow fractionation and nanoflow liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 1660-1666.	1.8	36
47	Evaluation of exosome separation from human serum by frit-inlet asymmetrical flow field-flow fractionation and multiangle light scattering. Analytica Chimica Acta, 2020, 1124, 137-145.	2.6	36
48	Stopless Flow Injection in Asymmetrical Flow Field-Flow Fractionation Using a Frit Inlet. Analytical Chemistry, 1997, 69, 1436-1440.	3.2	35
49	High performance, disposable hollow fiber flow field-flow fractionation for bacteria and cells. First application to deactivatedVibrio cholerae. Journal of Separation Science, 2002, 25, 490-498.	1.3	35
50	Lipidomic profiling of plasma and urine from patients with Gaucher disease during enzyme replacement therapy by nanoflow liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2015, 1381, 132-139.	1.8	35
51	Field-Flow Fractionation: A Versatile Technology for Particle Characterization in the Size Range 10⁻³ to 10² Micrometers. KONA Powder and Particle Journal, 1991, 9, 200-217.	0.9	34
52	Influence of accumulation wall and carrier solution composition on lift force in sedimentation/steric field-flow fractionation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 113, 215-228.	2.3	34
53	Chip-Type Asymmetrical Flow Field-Flow Fractionation Channel Coupled with Mass Spectrometry for Top-Down Protein Identification. Analytical Chemistry, 2011, 83, 8652-8658.	3.2	34
54	Cytochrome P450-mediated metabolic alterations in preeclampsia evaluated by quantitative steroid signatures. Journal of Steroid Biochemistry and Molecular Biology, 2014, 139, 182-191.	1.2	34

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55	Development of a Multilane Channel System for Nongel-Based Two-Dimensional Protein Separations Using Isoelectric Focusing and Asymmetrical Flow Field-Flow Fractionation. Analytical Chemistry, 2009, 81, 1715-1721.	3.2	33
56	Trypsin immobilization in ordered porous polymer membranes for effective protein digestion. Analytica Chimica Acta, 2016, 906, 156-164.	2.6	33
57	Relative Quantification of Phospholipids Based on Isotope-Labeled Methylation by Nanoflow Ultrahigh Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry: Enhancement in Cardiolipin Profiling. Analytical Chemistry, 2017, 89, 4969-4977.	3.2	33
58	Computational approach to structural identification of phospholipids using raw mass spectra from nanoflow liquid chromatographyâ€“electrospray ionizationâ€“tandem mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 1004-1014.	0.7	32
59	Effect of ionization modifiers on the simultaneous analysis of all classes of phospholipids by nanoflow liquid chromatography/tandem mass spectrometry in negative ion mode. Journal of Chromatography A, 2012, 1240, 69-76.	1.8	32
60	Field and flow programming in frit-inlet asymmetrical flow field-flow fractionation. Journal of Chromatography A, 2002, 955, 263-272.	1.8	31
61	Miniaturization of Frit Inlet Asymmetrical Flow Field-Flow Fractionation. Analytical Chemistry, 2004, 76, 3851-3855.	3.2	31
62	High Speed Two-Dimensional Protein Separation without Gel by Isoelectric Focusingâ^'Asymmetrical Flow Field Flow Fractionation: Application to Urinary Proteome. Journal of Proteome Research, 2009, 8, 4272-4278.	1.8	31
63	In-depth analysis of site-specific N-glycosylation in vitronectin from human plasma by tandem mass spectrometry with immunoprecipitation. Analytical and Bioanalytical Chemistry, 2014, 406, 7999-8011.	1.9	31
64	Serum polyamines in pre- and post-operative patients with breast cancer corrected by menopausal status. Cancer Letters, 2009, 273, 300-304.	3.2	30
65	Field programming in frit inlet asymmetrical flow field-flow fractionation/multiangle light scattering: Application to sodium hyaluronate. Journal of Chromatography A, 2005, 1089, 203-210.	1.8	29
66	Quantitative analysis of phosphatidylcholine in rat liver tissue by nanoflow liquid chromatography/tandem mass spectrometry. Journal of Separation Science, 2007, 30, 2598-2604.	1.3	29
67	A novel GC-MS method in urinary estrogen analysis from postmenopausal women with osteoporosis. Journal of Lipid Research, 2011, 52, 1595-1603.	2.0	29
68	Profiling of Oxidized Phospholipids in Lipoproteins from Patients with Coronary Artery Disease by Hollow Fiber Flow Field-Flow Fractionation and Nanoflow Liquid Chromatographyâ€“Tandem Mass Spectrometry. Analytical Chemistry, 2015, 87, 1266-1273.	3.2	29
69	Retention and Efficiency in Frit-Inlet Asymmetrical Flow Field-Flow Fractionation. Analytical Chemistry, 1999, 71, 2657-2666.	3.2	28
70	Pinched Inlet Split Flow Thin Fractionation for Continuous Particle Fractionation:Â Application to Marine Sediments for Size-Dependent Analysis of PCDD/Fs and Metals. Analytical Chemistry, 2004, 76, 3236-3243.	3.2	28
71	Performance of hollow-fiber flow field-flow fractionation in protein separation. Journal of Separation Science, 2005, 28, 2043-2049.	1.3	28
72	Characterization of polychlorinated dibenzo-p-dioxins and dibenzofurans in different particle size fractions of marine sediments. Environmental Pollution, 2006, 144, 554-561.	3.7	28

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73	Use of ion pairing reagents for sensitive detection and separation of phospholipids in the positive ion mode LC-ESI-MS. Analyst, The, 2011, 136, 1586.	1.7	28
74	Dual Lectin-Based Size Sorting Strategy to Enrich Targeted N-Glycopeptides by Asymmetrical Flow Field-Flow Fractionation: Profiling Lung Cancer Biomarkers. Analytical Chemistry, 2012, 84, 5343-5350.	3.2	28
75	High-fat diet-induced lipidome perturbations in the cortex, hippocampus, hypothalamus, and olfactory bulb of mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 980-990.	1.2	28
76	Aging-related lipidomic changes in mouse serum, kidney, and heart by nanoflow ultrahigh-performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2020, 1618, 460849.	1.8	28
77	Hollow-fiber flow field-flow fractionation of whole blood serum. Journal of Chromatography A, 2008, 1183, 135-142.	1.8	27
78	Quantitative profiling of phosphatidylcholine and phosphatidylethanolamine in a steatosis/fibrosis model of rat liver by nanoflow liquid chromatography/tandem mass spectrometry. Journal of Chromatography A, 2008, 1194, 96-102.	1.8	27
79	High Speed Size Sorting of Subcellular Organelles by Flow Field-Flow Fractionation. Analytical Chemistry, 2015, 87, 6342-6348.	3.2	27
80	Online Proteolysis and Glycopeptide Enrichment with Thermoresponsive Porous Polymer Membrane Reactors for Nanoflow Liquid Chromatography-Tandem Mass Spectrometry. Analytical Chemistry, 2018, 90, 3124-3131.	3.2	27
81	Characterization of functionalized styreneâ€“butadiene rubber by flow field-flow fractionation/light scattering in organic solvent. Journal of Chromatography A, 2007, 1147, 200-205.	1.8	26
82	Continuous Fractionation of Fly Ash Particles by SPLITT for the Investigation of PCDD/Fs Levels in Different Sizes of Insoluble Particles. Environmental Science & Technology, 2002, 36, 4416-4423.	4.6	25
83	Hyperlayer separation in hollow fiber flow field-flow fractionation: effect of membrane materials on resolution and selectivity. Journal of Chromatography A, 2002, 950, 175-182.	1.8	25
84	Investigation of lipidomic perturbations in oxidatively stressed subcellular organelles and exosomes by asymmetrical flow fieldâ€“flow fractionation and nanoflow ultrahigh performance liquid chromatographyâ€“tandem mass spectrometry. Analytica Chimica Acta, 2019, 1073, 79-89.	2.6	25
85	Online Miniaturized Asymmetrical Flow Field-Flow Fractionation and Inductively Coupled Plasma Mass Spectrometry for Metalloprotein Analysis of Plasma from Patients with Lung Cancer. Analytical Chemistry, 2016, 88, 10198-10205.	3.2	22
86	Effect of temperature on particle separation in hollow fiber flow field-flow fractionation. Journal of Separation Science, 1999, 11, 676-681.	1.0	21
87	Discovery of candidate phospholipid biomarkers in human lipoproteins with coronary artery disease by flow field-flow fractionation and nanoflow liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2012, 1270, 246-253.	1.8	21
88	Isotope-Coded Carbamidomethylation for Quantification of N-Glycoproteins with Online Microbore Hollow Fiber Enzyme Reactor-Nanoflow Liquid Chromatography-Tandem Mass Spectrometry. Analytical Chemistry, 2014, 86, 7650-7657.	3.2	21
89	SEPARATION AND BEHAVIOR OF NONSPHERICAL PARTICLES IN SEDIMENTATION/STERIC FIELD-FLOW FRACTIONATION. Particulate Science and Technology, 1994, 12, 89-113.	1.1	20
90	HYDRODYNAMIC VS. FOCUSING RELAXATION IN ASYMMETRICAL FLOW FIELD-FLOW FRACTIONATION. Journal of Liquid Chromatography and Related Technologies, 2001, 24, 3069-3083.	0.5	20

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91	Molecular weight and structure characterization of sodium hyaluronate and its gamma radiation degradation products by flow field-flow fractionation and on-line multiangle light scattering. Journal of Chromatography A, 2007, 1160, 270-275.	1.8	20
92	High-throughput and rapid quantification of lipids by nanoflow UPLC-ESI-MS/MS: application to the hepatic lipids of rabbits with nonalcoholic fatty liver disease. Analytical and Bioanalytical Chemistry, 2016, 408, 4975-4985.	1.9	20
93	Analysis of lipoprotein-specific lipids in patients with acute coronary syndrome by asymmetrical flow field-flow fractionation and nanoflow liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1099, 56-63.	1.2	20
94	Flow field-flow fractionation: Recent applications for lipidomic and proteomic analysis. TrAC - Trends in Analytical Chemistry, 2019, 118, 19-28.	5.8	20
95	Size Separation of Exosomes and Microvesicles Using Flow Field-Flow Fractionation/Multiangle Light Scattering and Lipidomic Comparison. Analytical Chemistry, 2022, 94, 8958-8965.	3.2	20
96	Characterization of ultrahigh-molecular weight cationic polyacrylamide using frit-inlet asymmetrical flow field-flow fractionation and multi-angle light scattering. Journal of Chromatography A, 2016, 1429, 304-310.	1.8	19
97	Development of an Online Microbore Hollow Fiber Enzyme Reactor Coupled with Nanoflow Liquid Chromatography-Tandem Mass Spectrometry for Global Proteomics. Analytical Chemistry, 2013, 85, 5506-5513.	3.2	18
98	On-line miniaturized asymmetrical flow field-flow fractionation-electrospray ionization-tandem mass spectrometry with selected reaction monitoring for quantitative analysis of phospholipids in plasma lipoproteins. Journal of Chromatography A, 2014, 1324, 224-230.	1.8	18
99	Validated gas chromatographicâ€“mass spectrometric analysis of urinary cannabinoids purified with a calcium-hardened Î²-cyclodextrin polymer. Journal of Chromatography A, 2008, 1204, 87-92.	1.8	17
100	Evaluation of multiplexed hollow fiber flow field-flow fractionation for semi-preparative purposes. Journal of Chromatography A, 2009, 1216, 6539-6542.	1.8	17
101	Effect of asymmetrical flow field-flow fractionation channel geometry on separation efficiency. Journal of Chromatography A, 2010, 1217, 3876-3880.	1.8	17
102	Effect of d-allose on prostate cancer cell lines: phospholipid profiling by nanoflow liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 401, 689-698.	1.9	17
103	Topâ€“down lipidomic analysis of human lipoproteins by chip-type asymmetrical flow field-flow fractionationâ€“electrospray ionization-tandem mass spectrometry. Journal of Chromatography A, 2013, 1280, 92-97.	1.8	17
104	Top-down and bottom-up lipidomic analysis of rabbit lipoproteins under different metabolic conditions using flow field-flow fractionation, nanoflow liquid chromatography and mass spectrometry. Journal of Chromatography A, 2015, 1405, 140-148.	1.8	17
105	Flow fieldâ€flow fractionation and multiangle light scattering for ultrahigh molecular weight sodium hyaluronate characterization. Journal of Separation Science, 2010, 33, 3519-3529.	1.3	16
106	Characterization of oxidized phospholipids in oxidatively modified low density lipoproteins by nanoflow liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2013, 1288, 54-62.	1.8	16
107	Variations in plasma and urinary lipids in response to enzyme replacement therapy for Fabry disease patients by nanoflow UPLC-ESI-MS/MS. Analytical and Bioanalytical Chemistry, 2016, 408, 2265-2274.	1.9	16
108	Sedimentation/Steric field-flow fractionation: A powerful technique for obtaining particle size distribution. Journal of Separation Science, 1997, 9, 565-570.	1.0	15

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109	Combination of gravitational SPLITT fractionation and field-flow fractionation for size-sorting and characterization of sea sediment. Analytical and Bioanalytical Chemistry, 2005, 381, 1299-1304.	1.9	15
110	MRM validation of targeted nonglycosylated peptides from N-glycoprotein biomarkers using direct trypsin digestion of undepleted human plasma. Journal of Proteomics, 2014, 98, 206-217.	1.2	15
111	Evaluation of treadmill exercise effect on muscular lipid profiles of diabetic fatty rats by nanoflow liquid chromatographyâ€“tandem mass spectrometry. Scientific Reports, 2016, 6, 29617.	1.6	15
112	Development of a multiâ€functional concurrent assay using weak cationâ€exchange solidâ€phase extraction (WCXâ€SPE) and reconstitution with a diluted sample aliquot for antiâ€doping analysis. Rapid Communications in Mass Spectrometry, 2018, 32, 897-905.	0.7	15
113	Investigation of steric transition with field programming in frit inlet asymmetrical flow field-flow fractionation. Journal of Chromatography A, 2018, 1576, 131-136.	1.8	15
114	Flow field-flow fractionation/multiangle light scattering of sodium hyaluronate from various degradation processes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 864, 15-21.	1.2	14
115	Ionic strength effect on molecular structure of hyaluronic acid investigated by flow field-flow fractionation and multiangle light scattering. Analytical and Bioanalytical Chemistry, 2015, 407, 1327-1334.	1.9	14
116	Lipidomic Perturbations in Lung, Kidney, and Liver Tissues of p53 Knockout Mice Analyzed by Nanoflow UPLC-ESI-MS/MS. Journal of Proteome Research, 2016, 15, 3763-3772.	1.8	14
117	On-Line Particle Concentrator with Upstream Ultrafiltration in Continuous SPLITT Fractionation. Analytical Chemistry, 2001, 73, 693-697.	3.2	13
118	Effect of dissolution temperature on the structures of sodium hyaluronate by flow field-flow fractionation/multiangle light scattering. Journal of Chromatography A, 2006, 1131, 185-191.	1.8	13
119	Molecular mass sorting of proteome using hollow fiber flow field-flow fractionation for proteomics. Journal of Proteomics, 2008, 71, 123-131.	1.2	13
120	A Soft Preparative Method for Membrane Proteome Analysis Using Frit Inlet Asymmetrical Flow Field-Flow Fractionation: Application in a Prostatic Cancer Cell Line. Journal of Proteome Research, 2009, 8, 982-991.	1.8	13
121	Depolymerization study of sodium hyaluronate by flow field-flow fractionation/multiangle light scattering. Analytical and Bioanalytical Chemistry, 2009, 395, 519-525.	1.9	12
122	Lectin-Based Enrichment Method for Glycoproteomics Using Hollow Fiber Flow Field-Flow Fractionation: Application to Streptococcus pyogenes. Journal of Proteome Research, 2010, 9, 2855-2862.	1.8	12
123	Fabrication of enzyme reactor utilizing magnetic porous polymer membrane for screening D-Amino acid oxidase inhibitors. Talanta, 2017, 165, 251-257.	2.9	12
124	Evaluation of pinched inlet channel for stopless flow injection in steric field-flow fractionation. Journal of Chromatography A, 1990, 517, 423-433.	1.8	11
125	Particle Separation and Size Characterization by Sedimentation Field-Flow Fractionation. ACS Symposium Series, 1991, , 198-216.	0.5	11
126	Characterization of Colloidal and Particulate Silica by Field-Flow Fractionation. Advances in Chemistry Series, 1994, , 309-340.	0.6	11

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127	SIZE CHARACTERIZATION OF CORE-SHELL POLY(L-LACTIDE) MICROSPHERES BY FLOW/HYPERLAYER FIELD-FLOW FRACTIONATION. Journal of Liquid Chromatography and Related Technologies, 1999, 22, 2729-2740.	0.5	11
128	Large-Scale Identification by Shotgun Proteomics of Proteins Expressed in Porcine Liver and Salivary Gland. Zoological Science, 2008, 25, 129-138.	0.3	11
129	Improvement of lipoprotein separation with a guard channel prior to asymmetrical flow field-flow fractionation using fluorescence detection. Journal of Chromatography A, 2011, 1218, 4144-4148.	1.8	11
130	Global Changes in Lipid Profiles of Mouse Cortex, Hippocampus, and Hypothalamus Upon p53 Knockout. Scientific Reports, 2016, 6, 36510.	1.6	11
131	Flow field-flow fractionation hyphenated with inductively coupled plasma mass spectrometry: a robust technique for characterization of engineered elemental metal nanoparticles in the environment. Applied Spectroscopy Reviews, 2023, 58, 110-131.	3.4	11
132	Size-based analysis of incinerator fly ash using gravitational SPLITT fractionation, sedimentation field-flow fractionation, and inductively coupled plasma-atomic emission spectroscopy. Analytical and Bioanalytical Chemistry, 2004, 378, 746-752.	1.9	10
133	Characterization of sodium hyaluronate blends using frit inlet asymmetrical flow field-flow fractionation and multiangle light scattering. Analytical and Bioanalytical Chemistry, 2012, 402, 1269-1276.	1.9	10
134	Lipidomic differentiation of Gravesâ€™ ophthalmopathy in plasma and urine from Gravesâ€™ disease patients. Analytical and Bioanalytical Chemistry, 2018, 410, 7121-7133.	1.9	10
135	Perturbations of Lipids and Oxidized Phospholipids in Lipoproteins of Patients with Postmenopausal Osteoporosis Evaluated by Asymmetrical Flow Field-Flow Fractionation and Nanoflow UHPLCâ€“ESIâ€“MS/MS. Antioxidants, 2020, 9, 46.	2.2	10
136	On-line high speed lipid extraction for nanoflow liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2016, 1464, 12-20.	1.8	9
137	Lipidomic analysis of skeletal muscle tissues of p53 knockout mice by nUPLC-ESI-MS/MS. Scientific Reports, 2017, 7, 3302.	1.6	9
138	Two dimensional (pI & ds) separation of phosphorylated proteins by isoelectric focusing/asymmetrical flow field-flow fractionation: Application to prostatic cancer cell line. Journal of Proteomics, 2012, 75, 2297-2305.	1.2	8
139	Combining asymmetrical flow field-flow fractionation with on- and off-line fluorescence detection to examine biodegradation of riverine dissolved and particulate organic matter. Journal of Chromatography A, 2015, 1409, 218-225.	1.8	8
140	Simultaneous Relative Quantification of Various Polyglycerophospholipids with Isotope-Labeled Methylation by Nanoflow Ultrahigh Performance Liquid Chromatography-Tandem Mass Spectrometry. Analytical Chemistry, 2019, 91, 6716-6723.	3.2	8
141	Lipid alterations in the skeletal muscle tissues of mice after weight regain by feeding a high-fat diet using nanoflow ultrahigh performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1141, 122022.	1.2	8
142	Phospholipid Analysis by Nanoflow Liquid Chromatography-Tandem Mass Spectrometry. Mass Spectrometry Letters, 2014, 5, 1-11.	0.5	8
143	Hollow-fiber flow/hyperlayer field-flow fractionation for the size characterization of airborne particle fractions obtained by SPLITT fractionation. Journal of Separation Science, 2006, 29, 423-428.	1.3	7
144	Effect of cationic monomer content on polyacrylamide copolymers by frit-inlet asymmetrical flow field-flow fractionation/multi-angle light scattering. Journal of Chromatography A, 2017, 1503, 49-56.	1.8	7

#	Article	IF	Citations
145	Exercise-induced recovery of plasma lipids perturbed by ageing with nanoflow UHPLC-ESI-MS/MS. Analytical and Bioanalytical Chemistry, 2020, 412, 8003-8014.	1.9	7
146	Size fractionation of marine sediments by pinched inlet gravitational split-flow thin fractionation and the study of size dependent PCDD/Fs concentrations from different bay areas. Journal of Separation Science, 2005, 28, 373-379.	1.3	6
147	Unravelling the mechanism of action of enzyme replacement therapy in Fabry disease. Journal of Human Genetics, 2016, 61, 143-149.	1.1	6
148	Increased size-sorting performance in gravitational SPLITT by using a pinched sample inlet design. Journal of Separation Science, 2003, 26, 1675-1682.	1.3	5
149	Rapid Screening of Phospholipid Biomarker Candidates from Prostate Cancer Urine Samples by Multiple Reaction Monitoring of UPLC-ESI-MS/MS and Statistical Approaches. Bulletin of the Korean Chemical Society, 2014, 35, 1133-1138.	1.0	5
150	Effect of Inlet Frit Lengths on the Hydrodynamic Relaxation Efficiency in Frit Inlet Asymmetrical Flow Fieldâ€Flow Fractionation. Journal of Liquid Chromatography and Related Technologies, 2003, 26, 2369-2379.	0.5	4
151	Pinched inlet gravitational split-flow thin fractionation of airborne particles and analysis of size dependent level of PCDD/Fs. Journal of Separation Science, 2005, 28, 1231-1236.	1.3	4
152	Flow optimisations with increased channel thickness in asymmetrical flow field-flow fractionation. Journal of Chromatography A, 2018, 1581-1582, 100-104.	1.8	4
153	On-line determination of soluble Zn content and size of the residual fraction in PM2.5 incubated in various aqueous media. Science of the Total Environment, 2020, 724, 138309.	3.9	4
154	High-Speed Screening of Lipoprotein Components Using Online Miniaturized Asymmetrical Flow Field-Flow Fractionation and Electrospray Ionization Tandem Mass Spectrometry: Application to Hepatocellular Carcinoma Plasma Samples. Analytical Chemistry, 2021, 93, 4867-4875.	3.2	4
155	Enhancement of acidic lipid analysis by nanoflow ultrahigh performance liquid chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2021, 1166, 338573.	2.6	4
156	Effect of sodium dodecyl sulfate on protein separation by hollow fiber flow field-flow fractionation. Analyst, The, 2011, 136, 388-392.	1.7	3
157	The Performance Investigation of Bimodal Cation Exchange/Hydrophilic Interaction Liquid Chromatographyâ€“Electrospray Ionization Mass Spectrometry by Modifying Mobile Phase Composition in Amino Acid Separation. Bulletin of the Korean Chemical Society, 2019, 40, 775-779.	1.0	3
158	Optimisation of high-speed lipidome analysis by nanoflow ultrahigh-performance liquid chromatography-tandem mass spectrometry: Application to identify candidate biomarkers for four different cancers. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1175, 122739.	1.2	3
159	Wide-Range Size Fractionation of Graphene Oxide by Flow Field-Flow Fractionation. ACS Nano, 2022, 16, 9172-9182.	7.3	3
160	Hollow-Fiber Flow Field-Flow Fractionation: A Pipeline to Scale Down Separation and Enhance Detection of Proteins and Cells. , 2012, , 37-55.		2
161	Identification of Pancreatic Cancer-Associated Tumor Antigen from HSP-Enriched Tumor Lysate-Pulsed Human Dendritic Cells. Yonsei Medical Journal, 2014, 55, 1014.	0.9	2
162	<scp>GCâ€MS</scp> Analysis of Various Phytoestrogens in Health Functional Foods. Bulletin of the Korean Chemical Society, 2017, 38, 448-458.	1.0	2

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163	Flow Field-Flow Fractionation with Mass Spectrometry for Top-Down and Bottom-Up Lipidomics. Journal of Analysis and Testing, 2017, 1, 193-201.	2.5	2
164	Effect of temperature on particle separation in hollow fiber flow fieldâ€flow fractionation. Journal of Separation Science, 1999, 11, 676-681.	1.0	1
165	Hollow-Fiber Flow Field-Flow Fractionation for Mass Spectrometry: From Proteins to Whole Bacteria. NATO Science for Peace and Security Series A: Chemistry and Biology, 2011, , 13-36.	0.5	1
166	Optimisation of saliva volumes for lipidomic analysis by nanoflow ultrahigh performance liquid chromatography-tandem mass spectrometry. Analytica Chimica Acta, 2022, 1193, 339318.	2.6	1
167	Lipidomic signatures of post-hepatectomy liver failure using porcine hepatectomy models. Annals of Translational Medicine, 2020, 8, 1363-1363.	0.7	1
168	Two-Dimensional Separation for Proteomic Analysis. , 2012, , 57-71.		0
169	Lipidomic signatures of post-hepatectomy liver failure using porcine hepatectomy models. Annals of Translational Medicine, 2020, 8, 1363.	0.7	0