

# R Kenneth Marcus

## List of Publications by Year in descending order

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218  
papers

4,569  
citations

117625

34  
h-index

189892

50  
g-index

224  
all docs

224  
docs citations

224  
times ranked

1369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined atomic and molecular (CAM) ionization with the liquid sampling-atmospheric pressure glow discharge microplasma. <i>Mass Spectrometry Reviews</i> , 2023, 42, 652-673.	5.4	7
2	Facile, generic capture and on-fiber differentiation of exosomes via confocal immunofluorescence microscopy using a capillary-channeled polymer fiber solid-phase extraction tip. <i>Sensors &amp; Diagnostics</i> , 2022, 1, 525-533.	3.8	2
3	Improved uranium isotopic ratio determinations for the liquid sampling-atmospheric pressure glow discharge orbitrap mass spectrometer by use of moving average processing. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 814-822.	3.0	5
4	Comparison of the separation of proteins of wide-ranging molecular weight via trilobal polypropylene capillary-channeled polymer fiber, commercial superficially porous, and commercial size exclusion columns. <i>Journal of Separation Science</i> , 2022, 45, 1502-1513.	2.5	5
5	Comparison of the capillary-channeled polymer (C-CP) fiber spin-down tip approach to traditional methods for the isolation of extracellular vesicles from human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3813-3825.	3.7	3
6	A novel method of high-purity extracellular vesicle enrichment from microliter-scale human serum for proteomic analysis. <i>Electrophoresis</i> , 2021, 42, 245-256.	2.4	18
7	Development of an integrated, single electrode liquid sampling-atmospheric pressure glow discharge microplasma ionization source. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 179, 105994.	2.9	4
8	Rapid isolation of extracellular vesicles from diverse biofluid matrices via capillary-channeled polymer fiber solid-phase extraction micropipette tips. <i>Analyst</i> , 2021, 146, 4314-4325.	3.5	13
9	Quantitative trace metal determinations in cell culture media using LS-APGD-MS and ICP-OES with free/bound species differentiation following polymer fiber separations. <i>Analytical Methods</i> , 2021, 13, 1945-1954.	2.7	2
10	Rapid isolation of lentivirus particles from cell culture media via a hydrophobic interaction chromatography method on a polyester, capillary-channeled polymer fiber stationary phase. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2985-2994.	3.7	7
11	Evaluation of the powering modes and geometries of the Liquid Sampling-atmospheric Pressure Glow Discharge-orbitrap system for analytical performance and isotope ratio analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 176, 106044.	2.9	2
12	Improved Uranium Isotope Ratio Analysis in Liquid Sampling-atmospheric Pressure Glow Discharge/Orbitrap FTMS Coupling through the Use of an External Data Acquisition System. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1224-1236.	2.8	27
13	Effect of iron addition on mAb productivity and oxidative stress in Chinese hamster ovary culture. <i>Biotechnology Progress</i> , 2021, 37, e3181.	2.6	5
14	MICA-G129R: A bifunctional fusion protein increases PRLR-positive breast cancer cell death in co-culture with natural killer cells. <i>PLoS ONE</i> , 2021, 16, e0252662.	2.5	0
15	Roles of collisional dissociation modalities on spectral composition and isotope ratio measurement performance of the liquid sampling-atmospheric pressure glow discharge / orbitrap mass spectrometer coupling. <i>International Journal of Mass Spectrometry</i> , 2021, 464, 116572.	1.5	10
16	Rapid separation of blood plasma exosomes from low-density lipoproteins via a hydrophobic interaction chromatography method on a polyester capillary-channeled polymer fiber phase. <i>Analytica Chimica Acta</i> , 2021, 1167, 338578.	5.4	27
17	Resolving Severe Elemental Isobaric Interferences with a Combined Atomic and Molecular Ionization Source-orbitrap Mass Spectrometry Approach: The <sup>87</sup> Sr and <sup>87</sup> Rb Geochronology Pair. <i>Analytical Chemistry</i> , 2021, 93, 11506-11514.	6.5	7
18	Application of polydopamine-coated nylon capillary-channeled polymer fibers as a stationary phase for mass spectrometric phosphopeptide analysis. <i>Electrophoresis</i> , 2020, 41, 215-224.	2.4	7

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19	Fiber-based HIC capture loop for coupling of protein A and size exclusion chromatography in a two-dimensional separation of monoclonal antibodies. <i>Analytica Chimica Acta</i> , 2020, 1098, 190-200.	5.4	7
20	A multi-electrode glow discharge ionization source for atomic and molecular mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1969-1978.	3.0	16
21	Mass spectrometric characteristics and preliminary figures of merit for polyaromatic hydrocarbons <i>via</i> the liquid sampling-atmospheric pressure glow discharge microplasma. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2475-2478.	3.0	9
22	Coupling of Laser Ablation and the Liquid Sampling-Atmospheric Pressure Glow Discharge Plasma for Simultaneous, Comprehensive Mapping: Elemental, Molecular, and Spatial Analysis. <i>Analytical Chemistry</i> , 2020, 92, 12622-12629.	6.5	14
23	Solid-phase extraction of exosomes from diverse matrices via a polyester capillary-channeled polymer (C-CP) fiber stationary phase in a spin-down tip format. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4713-4724.	3.7	17
24	Coupling the liquid sampling atmospheric pressure glow discharge, a combined atomic and molecular (CAM) ionization source, to a reduced-format mass spectrometer for the analysis of diverse species. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1910-1921.	3.0	13
25	Rapid Determination of Uranium Isotopic Abundance from Cotton Swipes: Direct Extraction via a Planar Surface Reader and Coupling to a Microplasma Ionization Source. <i>Analytical Chemistry</i> , 2020, 92, 8591-8598.	6.5	20
26	Polypropylene capillary-channeled polymer fiber column as the second dimension in a comprehensive two-dimensional RP- <i>RP</i> analysis of a mixture of intact proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2963-2979.	3.7	7
27	Evaluation of exosome loading characteristics in their purification via a glycerol-assisted hydrophobic interaction chromatography method on a polyester, capillary-channeled polymer fiber phase. <i>Biotechnology Progress</i> , 2020, 36, e2998.	2.6	16
28	Isolation and quantification of human urinary exosomes by hydrophobic interaction chromatography on a polyester capillary-channeled polymer fiber stationary phase. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6591-6601.	3.7	23
29	Application of trilobal capillary-channeled polymer (C-CP) fibers for reversed phase liquid chromatography and ESI-MS for the determination of proteins in different biological matrices. <i>Analytical Methods</i> , 2019, 11, 3800-3809.	2.7	5
30	Isolation and quantitation of exosomes isolated from human plasma via hydrophobic interaction chromatography using a polyester, capillary-channeled polymer fiber phase. <i>Analytica Chimica Acta</i> , 2019, 1082, 186-193.	5.4	28
31	Coupling of the liquid sampling-atmospheric pressure glow discharge (LS-APGD) ionization source with a commercial triple-quadrupole mass spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1468-1477.	3.0	11
32	Coupling of an atmospheric pressure microplasma ionization source with an Orbitrap Fusion Lumos Tribrid 1M mass analyzer for ultra-high resolution isotopic analysis of uranium. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1387-1395.	3.0	18
33	Ultra-High Resolution Elemental/Isotopic Mass Spectrometry ( $m/\hat{m} > 1,000,000$ ): Coupling of the Liquid Sampling-Atmospheric Pressure Glow Discharge with an Orbitrap Mass Spectrometer for Applications in Biological Chemistry and Environmental Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1163-1168.	2.8	23
34	Sheathing of the liquid sampling Atmospheric pressure glow discharge microplasma from ambient atmosphere and its implications for optical emission spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 155, 99-106.	2.9	9
35	Grafting polymerization of glycidyl methacrylate onto capillary-channeled polymer (C-CP) fibers as a ligand binding platform: Applications in immobilized metal-ion affinity chromatography (IMAC) protein separations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1110-1111, 144-154.	2.3	13
36	Monochromatic spatial imaging of the liquid sampling Atmospheric pressure glow discharge: Effects of gas flow on spatial profiles of analyte and background species. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 154, 33-42.	2.9	5

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37	Parametric optimization and spectral line selection for liquid sampling-atmospheric pressure glow discharge $\text{â€}^{\text{c}}$ optical emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2428-2439.	3.0	6
38	Exosome isolation and purification via hydrophobic interaction chromatography using a polyester, capillary $\text{â€}$ channeled polymer fiber phase. <i>Electrophoresis</i> , 2019, 40, 571-581.	2.4	45
39	Evaluation of protein separations based on hydrophobic interaction chromatography using polyethylene terephthalate capillary-channeled polymer (C-CP) fiber phases. <i>Journal of Chromatography A</i> , 2019, 1585, 161-171.	3.7	18
40	Initial Benchmarking of the Liquid Sampling-Atmospheric Pressure Glow Discharge-Orbitrap System Against Traditional Atomic Mass Spectrometry Techniques for Nuclear Applications. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 278-288.	2.8	23
41	Investigation of hydrophobic substrates for solution residue analysis utilizing an ambient desorption liquid sampling-atmospheric pressure glow discharge microplasma. <i>Analyst, The</i> , 2018, 143, 1417-1425.	3.5	3
42	Concomitant ion effects on isotope ratio measurements with liquid sampling $\text{â€}$ atmospheric pressure glow discharge ion source Orbitrap mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 251-259.	3.0	19
43	Proof-of-concept: Interfacing the liquid sampling-atmospheric pressure glow discharge ion source with a miniature quadrupole mass spectrometer towards trace metal analysis in cell culture media. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 2015-2020.	3.0	9
44	Dynamic evaluation of a trilobal capillary $\text{â€}$ channeled polymer fiber shape for reversed phase protein separations and comparison to the eight $\text{â€}$ channeled form. <i>Journal of Separation Science</i> , 2018, 41, 1063-1073.	2.5	10
45	Overload Effects in Reversed Phase Protein Separations using Capillary $\text{â€}$ Channeled Polymer Fiber Columns. <i>Biotechnology Progress</i> , 2018, 34, 1221-1233.	2.6	5
46	Parametric evaluation of ambient desorption optical emission spectroscopy utilizing a liquid sampling-atmospheric pressure glow discharge microplasma. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 931-941.	3.0	8
47	Application of protein A-modified capillary-channeled polymer polypropylene fibers to the quantitation of IgG in complex matrices. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 49-58.	2.8	17
48	Microwave-assisted, grafting polymerization preparation of strong cation exchange nylon 6 capillary-channeled polymer fibers and their chromatographic properties. <i>Analytica Chimica Acta</i> , 2017, 977, 52-64.	5.4	19
49	Liquid sampling-atmospheric pressure glow discharge (LS-APGD) microplasmas for diverse spectrochemical analysis applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 704-716.	3.0	48
50	Microwave-assisted grafting polymerization modification of nylon 6 capillary-channeled polymer fibers for enhanced weak cation exchange protein separations. <i>Analytica Chimica Acta</i> , 2017, 954, 129-139.	5.4	20
51	Determination of uranium isotope ratios using a liquid sampling atmospheric pressure glow discharge/Orbitrap mass spectrometer system. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1534-1540.	1.5	20
52	Demonstration of a novel ion-exchange column for pre-concentration of silver ions in optical emission spectroscopy utilizing a liquid-sampling atmospheric pressure glow discharge microplasma. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2463-2468.	3.0	10
53	Glow Discharge Mass Spectrometry. , 2017, , 30-36.		4
54	Conceptual Demonstration of Ambient Desorption-Optical Emission Spectroscopy Using a Liquid Sampling-Atmospheric Pressure Glow Discharge Microplasma Source. <i>Analytical Chemistry</i> , 2016, 88, 5579-5584.	6.5	23

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55	Preliminary Figures of Merit for Isotope Ratio Measurements: The Liquid Sampling-Atmospheric Pressure Glow Discharge Microplasma Ionization Source Coupled to an Orbitrap Mass Analyzer. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1393-1403.	2.8	33
56	Isotope ratio characteristics and sensitivity for uranium determinations using a liquid sampling-atmospheric pressure glow discharge ion source coupled to an Orbitrap mass analyzer. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2355-2362.	3.0	31
57	Coupling of capillary-channeled polymer (C-CP) fibers for reversed phase liquid chromatography and ESI-MS for the determination of proteins in a urine matrix. <i>Analytical Methods</i> , 2016, 8, 8410-8419.	2.7	8
58	Evaluation of loading characteristics and IgG binding performance of Staphylococcal protein A on polypropylene capillary-channeled polymer fibers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1015-1016, 92-104.	2.3	19
59	Parallel, open-channel lateral flow (immuno) assay substrate based on capillary-channeled polymer films. <i>Analyst, The</i> , 2016, 141, 807-814.	3.5	1
60	Mass spectra of diverse organic species utilizing the liquid sampling-atmospheric pressure glow discharge (LS-APGD) microplasma ionization source. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 145-151.	3.0	37
61	Fiber-based platforms for bioanalytics. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1281-1283.	3.7	3
62	Comparison of analytical protein separation characteristics for three amine-based capillary-channeled polymer (C-CP) stationary phases. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1373-1383.	3.7	7
63	Capillary-channeled polymer (C-CP) fibers for the rapid extraction of proteins from urine matrices prior to detection with MALDI-MS. <i>Proteomics - Clinical Applications</i> , 2015, 9, 522-530.	1.6	3
64	Determination of Isoflavone Content in SRM 3238 Using Liquid Chromatography-Particle Beam/Electron Ionization Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 1483-1490.	1.5	8
65	Roles of interstitial fraction and load conditions on the dynamic binding capacity of proteins on capillary-channeled polymer fiber columns. <i>Biotechnology Progress</i> , 2015, 31, 97-109.	2.6	17
66	Evaluation of synthesized lipid tethered ligands for surface functionalization of polypropylene capillary-channeled polymer fiber stationary phases. <i>Analyst, The</i> , 2015, 140, 1523-1534.	3.5	11
67	Preliminary Assessment of Potential for Metal-Ligand Speciation in Aqueous Solution via the Liquid Sampling-Atmospheric Pressure Glow Discharge (LS-APGD) Ionization Source: Uranyl Acetate. <i>Analytical Chemistry</i> , 2015, 87, 7218-7225.	6.5	23
68	Liquid Sampling-Atmospheric Pressure Glow Discharge as a Secondary Excitation Source for Laser Ablation-Generated Aerosols: Parametric Dependence and Robustness to Particle Loading. <i>Applied Spectroscopy</i> , 2015, 69, 58-66.	2.2	15
69	Polyethylenimine modified poly(ethylene terephthalate) capillary channeled-polymer fibers for anion exchange chromatography of proteins. <i>Journal of Chromatography A</i> , 2015, 1410, 200-209.	3.7	29
70	Evidence for the Intercalation of Lipid Acyl Chains into Polypropylene Fiber Matrices. <i>Langmuir</i> , 2015, 31, 10418-10425.	3.5	5
71	Liquid sampling-atmospheric pressure glow discharge excitation of atomic and ionic species. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 285-295.	3.0	16
72	Biotin-functionalized poly(ethylene terephthalate) capillary-channeled polymer fibers as HPLC stationary phase for affinity chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 939-951.	3.7	25

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73	Evaluation of the operating parameters of the liquid sampling-atmospheric pressure glow discharge (LS-APGD) ionization source for elemental mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7497-7509.	3.7	26
74	Loading characteristics and chemical stability of headgroup-functionalized poly(ethylene glycol)-lipid ligand tethers on polypropylene capillary-channeled polymer fibers. <i>Journal of Separation Science</i> , 2014, 37, 3595-3602.	2.5	11
75	Initial evaluation of protein A modified capillary-channeled polymer fibers for the capture and recovery of immunoglobulin G. <i>Journal of Separation Science</i> , 2014, 37, 495-504.	2.5	36
76	Liquid sampling-atmospheric pressure glow discharge as a secondary excitation source: Assessment of plasma characteristics. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 94-95, 39-47.	2.9	26
77	Head group-functionalized poly(ethyleneglycol)-lipid (PEG-lipid) surface modification for highly selective analyte extractions on capillary-channeled polymer (C-CP) fibers. <i>Analyst, The</i> , 2014, 139, 2108.	3.5	11
78	Investigation of spectrochemical matrix effects in the liquid sampling-atmospheric pressure glow discharge source. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 100, 44-51.	2.9	8
79	Determination of pore size distributions in capillary-channeled polymer fiber stationary phases by inverse size-exclusion chromatography and implications for fast protein separations. <i>Journal of Chromatography A</i> , 2014, 1351, 82-89.	3.7	26
80	In-Line Desalting of Proteins from Buffer and Synthetic Urine Solution Prior to ESI-MS Analysis via a Capillary-Channeled Polymer Fiber Microcolumn. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 975-978.	2.8	14
81	Ambient desorption/ionization mass spectrometry using a liquid sampling-atmospheric glow discharge (LS-APGD) ionization source. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8171-8184.	3.7	34
82	Optimization of capillary-channeled polymer (C-CP) fiber stationary phase extractions of proteins from MALDI-MS suppressing media. <i>Analytical Methods</i> , 2013, 5, 3194.	2.7	3
83	Selenium speciation by liquid chromatography-particle beam/mass spectrometry (LC-PB/MS): application to a yeast reference material and synthetic urine. <i>Analytical Methods</i> , 2013, 5, 4053.	2.7	6
84	Solid phase extraction of proteins from buffer solutions employing capillary-channeled polymer (C-CP) fibers as the stationary phase. <i>Analyst, The</i> , 2013, 138, 1098-1106.	3.5	20
85	Initial evaluation of protein throughput and yield characteristics on nylon 6 capillary-channeled polymer (C-CP) fiber stationary phases by frontal analysis. <i>Biotechnology Progress</i> , 2013, 29, 1222-1229.	2.6	28
86	Extrusion-based differences in two types of nylon 6 capillary-channeled polymer (C-CP) fiber stationary phases as applied to the separation of proteins via ion exchange chromatography. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1257-1265.	2.6	13
87	Determination of Isoflavone Content in Soy, Red Clover, and Kudzu Dietary Supplement Materials by Liquid Chromatography-Particle Beam/Electron Ionization Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 925-932.	1.5	18
88	Dynamic evaluation of polypropylene capillary-channeled fibers as a stationary phase in high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2012, 35, 3270-3280.	2.5	40
89	Femtosecond laser ablation particle introduction to a liquid sampling-atmospheric pressure glow discharge ionization source. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 385.	3.0	27
90	Liquid sampling-atmospheric pressure glow discharge optical emission spectroscopy detection of laser ablation produced particles: A feasibility study. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 76, 190-196.	2.9	24

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91	Roles of electrode material and geometry in liquid sampling-atmospheric pressure glow discharge (LS-APGD) microplasma emission spectroscopy. <i>Microchemical Journal</i> , 2012, 105, 48-55.	4.5	25
92	Microbore polypropylene capillary channeled polymer (C-CP) fiber columns for rapid reversed-phase HPLC of proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 721-729.	3.7	51
93	Capillary-Channeled Polymer (C-CP) Fibers as a Stationary Phase for Sample Clean-Up of Protein Solutions for Matrix-Assisted Laser/Desorption Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1419-1423.	2.8	13
94	Capillary-Channeled Polymer (C-CP) Films as Processing Platforms for Protein Analysis by Matrix-Assisted Laser/Desorption Ionization Mass Spectrometry (MALDI-MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 102-107.	2.8	2
95	Liquid sampling-atmospheric pressure glow discharge (LS-APGD) ionization source for elemental mass spectrometry: preliminary parametric evaluation and figures of merit. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 261-268.	3.7	42
96	Metal retention in human transferrin: Consequences of solvent composition in analytical sample preparation methods. <i>Metallomics</i> , 2011, 3, 1027.	2.4	4
97	Liquid Sampling-Atmospheric Pressure Glow Discharge Ionization Source for Elemental Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 2425-2429.	6.5	76
98	Nickel ions inhibit $\beta$ -actin expression and decrease aspect ratio of rat vascular smooth muscle cells in vitro. <i>Metallomics</i> , 2011, 3, 934.	2.4	8
99	Competitive binding of Fe <sup>3+</sup> , Cr <sup>3+</sup> , and Ni <sup>2+</sup> to transferrin. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 913-921.	2.6	38
100	Analysis of caffeic acid derivatives in echinacea extracts by liquid chromatography particle beam mass spectrometry (LC-PB/MS) employing electron impact and glow discharge ionization sources. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1259-1271.	3.7	23
101	Small molecule adsorption on to polyester capillary-channeled polymer fibers: Frontal analysis of naphthalene and naphthol (naphthalene and naphthol adsorption on capillary-channeled polymer) <i>Talanta</i> , 2010, 52, 107-114.	0.78	314
102	Liquid Chromatography-Particle Beam Electron Ionization Mass Spectrometry Method for Analysis of Botanical Extracts: Evaluation of Ephedrine Alkaloids in Standard Reference Materials. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1788-1797.	1.5	4
103	Conversion of a commercial gas chromatography-mass spectrometer to a liquid chromatography-particle beam/glow discharge mass spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1780.	3.0	3
104	Extraction of metals from aqueous systems employing capillary-channeled polymer (C-CP) fibers modified with poly(acrylic acid) (PAA). <i>Analytical Methods</i> , 2010, 2, 461.	2.7	15
105	Glow Discharge Mass Spectrometry. , 2010, , 762-769.		2
106	Determination of catechins and caffeine in proposed green tea standard reference materials by liquid chromatography-particle beam/electron ionization mass spectrometry (LC-PB/EIMS). <i>Talanta</i> , 2010, 82, 1687-1695.	5.5	35
107	Instrumental comparison of the determination of Cr <sup>3+</sup> uptake by human transferrin. <i>Metallomics</i> , 2010, 2, 792.	2.4	27
108	Simultaneous multiple element detection by particle beam/hollow cathode-optical emission spectroscopy as a tool for metallomic studies: Determinations of metal binding with apo-transferrin. <i>Metallomics</i> , 2010, 2, 154-161.	2.4	16

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109	Use of polymer fiber stationary phases for liquid chromatography separations: Part II " applications. <i>Journal of Separation Science</i> , 2009, 32, 695-705.	2.5	28
110	Simultaneous multielement detection in particle beam/hollow cathode-optical emission spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 1185-1193.	2.9	6
111	Nylon-6 capillary-channeled polymer (C-CP) fibers as a hydrophobic interaction chromatography stationary phase for the separation of proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 273-281.	3.7	34
112	On-line separation and identification of inorganic and organic arsenic species in ethanolic kelp and bladderwrack extracts through liquid chromatography/particle beam-electron ionization mass spectrometry (LC/PB-EIMS). <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 199-208.	3.0	9
113	Metals analysis of botanical products in various matrices using a single microwave digestion and inductively coupled plasma optical emission spectrometry (ICP-OES) method. <i>Analytical Methods</i> , 2009, 1, 188.	2.7	14
114	Use of polymer fiber stationary phases for liquid chromatography separations: Part I " physical and chemical rationale. <i>Journal of Separation Science</i> , 2008, 31, 1923-1935.	2.5	37
115	Nylon-6 Capillary-Channeled Polymer Fibers as a Stationary Phase for the Mixed-Mode Ion Exchange/Reversed-Phase Chromatography Separation of Proteins. <i>Journal of Chromatographic Science</i> , 2007, 45, 415-421.	1.4	28
116	Separation and Determination of Iron-Containing Proteins via Liquid Chromatography~Particle Beam/Hollow Cathode~Optical Emission Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 2402-2411.	6.5	12
117	Determination of "free"iron and iron bound in metalloproteins via liquid chromatography separation and inductively coupled plasma-optical emission spectroscopy (LC-ICP-OES) and particle beam/hollow cathode-optical emission spectroscopy (LC-PB/HC-OES) techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1067.	3.0	13
118	Online mercury speciation through liquid chromatography with particle beam/electron ionization mass spectrometry detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 283-291.	3.0	40
119	Plasma parameter and film casting optimization for the determination of particulate matter in a sol~gel matrix by radiofrequency glow discharge optical emission spectrometry (rf-GD-OES). <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 126-133.	3.0	6
120	Characterization of Capillary-Channeled Polymer Fiber Stationary Phases for High-Performance Liquid Chromatography Protein Separations: A Comparative Analysis with a Packed-Bed Column. <i>Analytical Chemistry</i> , 2006, 78, 8462-8471.	6.5	58
121	Capillary-Channeled Polymer Fibers as a Stationary Phase for Desalting of Protein Solutions for Electrospray Ionization Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2006, 78, 5617-5621.	6.5	27
122	Particle beam sample introduction into glow discharge plasmas for speciation analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 134-149.	2.9	32
123	Effects of easily ionizable elements on the liquid sampling~atmospheric pressure glow discharge. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 715-721.	2.9	33
124	Capillary-channeled polymer (C-CP) fibers as a stationary phase in microbore high-performance liquid chromatography columns. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 250-258.	3.7	59
125	Non-metal element detection by radio-frequency glow-discharge optical-emission spectrometry (rf-GD-OES) for determination of sol~gel-immobilized nucleotides. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1357-1365.	3.7	3
126	Electron-impact and glow-discharge ionization LC~MS analysis of green tea tincture. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 321-333.	3.7	15



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127	Potential for Ultrafast Protein Separations with Capillary-Channeled Polymer (C-CP) Fiber Columns. <i>Protein and Peptide Letters</i> , 2006, 13, 95-99.	0.9	29
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