

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	Radio frequency powered glow discharge atomization/ionization source for solids mass spectrometry. <i>Analytical Chemistry</i> , 1989, 61, 1879-1886.	6.5	177
2	An Atmospheric Pressure Glow Discharge Optical Emission Source for the Direct Sampling of Liquid Media. <i>Analytical Chemistry</i> , 2001, 73, 2903-2910.	6.5	144
3	Hydrodynamic flow in capillary-channel fiber columns for liquid chromatography. <i>Journal of Chromatography A</i> , 2005, 1100, 68-75.	3.7	106
4	An atmospheric pressure glow discharge optical emission source for the direct sampling of liquid media. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 931-937.	3.0	100
5	Capillary-channeled polymer fibers as stationary phases in liquid chromatography separations. <i>Journal of Chromatography A</i> , 2003, 986, 17-31.	3.7	84
6	Liquid Sampling-Atmospheric Pressure Glow Discharge Ionization Source for Elemental Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 2425-2429.	6.5	76
7	Radio-frequency glow discharge ion trap mass spectrometry. <i>Analytical Chemistry</i> , 1992, 64, 1606-1609.	6.5	63
8	Applicability of a radiofrequency powered glow discharge for the direct solids analysis of non-conducting materials by atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1990, 5, 575.	3.0	59
9	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
10	Inter-Laboratory note. Direct insertion probe for radiofrequency powered glow discharge mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1992, 7, 711.	3.0	58
11	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
12	Design and characterization of a radio-frequency-powered glow discharge source for double-focusing mass spectrometers. <i>Analytical Chemistry</i> , 1993, 65, 2478-2484.	6.5	54
13	rf-Powered Glow Discharges Elemental Analysis across the Solids Spectrum. <i>Analytical Chemistry</i> , 1994, 66, 902A-911A.	6.5	54
14	Sampling an RF-Powered Glow Discharge Source with a Double Quadrupole Mass Spectrometer. <i>Applied Spectroscopy</i> , 1990, 44, 649-655.	2.2	51
15	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
16	Glow Discharge Sputter Atomization for Atomic Absorption Analysis of Nonconducting Powder Samples. <i>Applied Spectroscopy</i> , 1988, 42, 941-944.	2.2	50
17	Radio Frequency Glow Discharge Mass Spectrometry for the Characterization of Bulk Polymers. <i>Analytical Chemistry</i> , 1996, 68, 2113-2121.	6.5	50
18	Operation principles and design considerations for radiofrequency powered glow discharge devices. A review. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 935.	3.0	49

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19	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
20	Exosome isolation and purification via hydrophobic interaction chromatography using a polyester, capillary-channelled polymer fiber phase. <i>Electrophoresis</i> , 2019, 40, 571-581.	2.4	45
21	Emission characteristics of a pulsed, radiofrequency glow discharge atomic emission device. <i>Analytical Chemistry</i> , 1992, 64, 2067-2074.	6.5	43
22	A Novel Stationary Phase: Capillary-Channeled Polymer (C-CP) Fibers for HPLC Separations of Proteins. <i>Journal of Chromatographic Science</i> , 2003, 41, 475-479.	1.4	42
23	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
24	Tunable plasma sources in analytical spectroscopy: Current status and projections. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1-5.	3.0	40
25	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
26	Dynamic evaluation of polypropylene capillary-channelled fibers as a stationary phase in high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2012, 35, 3270-3280.	2.5	40
27	Line selection and evaluation of radio frequency glow discharge atomic emission spectrometry for the analysis of copper and aluminum alloys. <i>Analytical Chemistry</i> , 1993, 65, 3636-3643.	6.5	38
28	Radiofrequency powered glow discharges: opportunities and challenges. Plenary lecture. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 821.	3.0	38
29	Competitive binding of Fe ³⁺ , Cr ³⁺ , and Ni ²⁺ to transferrin. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 913-921.	2.6	38
30	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
31	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
32	Initial evaluation of protein A modified capillary-channelled polymer fibers for the capture and recovery of immunoglobulin G. <i>Journal of Separation Science</i> , 2014, 37, 495-504.	2.5	36
33	Influence of Discharge Parameters on the Resultant Sputtered Crater Shapes for a Radio Frequency Glow Discharge Atomic Emission Source. <i>Analytical Chemistry</i> , 1996, 68, 4213-4220.	6.5	35
34	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
35	Complementary radiofrequency glow discharge source for a commercial quadrupole mass spectrometer system. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 1043.	3.0	34
36	Nylon-6 capillary-channelled 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

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37	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
38	Investigation of dielectric sample atomization and electrical characteristics in a radio frequency glow discharge source. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1995, 50, 617-638.	2.9	33
39	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
40	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
41	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
42	Radio frequency glow discharge optical emission spectrometry (rf-GD-OES) analysis of solid glass samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 506-513.	3.0	31
43	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
44	Glow Discharge Ionization Source for Liquid Chromatography/Particle Beam Mass Spectrometry. <i>Analytical Chemistry</i> , 2000, 72, 3833-3840.	6.5	30
45	Particle Beam Aqueous Sample Introduction for Hollow Cathode Atomic Emission Spectroscopy. <i>Analytical Chemistry</i> , 1994, 66, 3916-3924.	6.5	29
46	Analysis of Organic Compounds by Particle Beam/Hollow Cathode Atomic Emission Spectroscopy: Determinations of Carbon and Hydrogen in Amino Acids. <i>Analytical Chemistry</i> , 1997, 69, 3419-3426.	6.5	29
47	Analysis of amino acids and organometallic compounds by particle beam hollow cathode glow discharge atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 43-48.	3.0	29
48	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
49	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
50	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
51	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
52	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
53	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
54	Evaluation of helium-argon mixed gas plasmas for bulk and depth-resolved analyses by radiofrequency glow discharge atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1039-1045.	3.0	27

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55	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
56	Instrumental comparison of the determination of Cr ³⁺ uptake by human transferrin. <i>Metallomics</i> , 2010, 2, 792.	2.4	27
57	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
58	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
59	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
60	Radiofrequency powered glow discharges for emission and mass spectrometry: operating characteristics, figures of merit and future prospects. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 1029.	3.0	26
61	Determination of Precious Metal Alloys by Radio Frequency Glow Discharge Atomic Emission Spectroscopy. <i>Analytical Chemistry</i> , 1995, 67, 1271-1277.	6.5	26
62	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
63	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
64	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
65	Optimization of Discharge Parameters for a Flat-Type Radio-Frequency Glow Discharge Source Coupled to a Quadrupole Mass Spectrometer System. <i>Applied Spectroscopy</i> , 1996, 50, 454-466.	2.2	25
66	Sampling and Analysis of Particulate Matter by Glow Discharge Atomic Emission and Mass Spectrometries. <i>Analytical Chemistry</i> , 1999, 71, 3061-3069.	6.5	25
67	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
68	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
69	Determination of platinum and rhodium in γ -alumina catalysts by glow discharge atomization atomic absorption spectrophotometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1991, 46, 615-627.	2.9	24
70	A Simple, Lensless Interface of an RF Glow Discharge Device to an FT-ICR (FTMS). <i>Applied Spectroscopy</i> , 1992, 46, 1327-1330.	2.2	24
71	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
72	Direct polymer analysis by radio frequency glow discharge spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1271-1277.	3.0	23

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73	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
74	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
75	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
76	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
77	Ultra-High Resolution Elemental/Isotopic Mass Spectrometry (m/\bar{m} $\geq 1,000,000$): 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
78	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
79	Hollow cathode plume as an atomization/ionization source for solids mass spectrometry. <i>Analytical Chemistry</i> , 1986, 58, 972-974.	6.5	22
80	Total protein determinations by particle beam/hollow cathode optical emission spectroscopy (PB/HC-OES) system III: Investigation of carrier salts for enhanced particle transport. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 204-211.	3.7	22
81	Glow discharge sputtering and excitation characteristics of brass alloys. <i>Journal of Analytical Atomic Spectrometry</i> , 1988, 3, 873.	3.0	21
82	Nebulization and analysis characteristics of a particle beam-hollow cathode glow discharge atomic emission spectrometry system. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 483-490.	3.0	21
83	Influence of discharge parameters on the resultant sputtered crater shapes for a radio frequency glow discharge mass spectrometry source. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 1303-1311.	3.0	21
84	Total Protein Determinations by Particle Beam/Hollow Cathode Optical Emission Spectroscopy. <i>Analytical Chemistry</i> , 2003, 75, 4801-4810.	6.5	21
85	Role of Discharge Parameters and Limiting Orifice Diameter in Radio-Frequency Glow Discharge-Atomic Absorption Spectrophotometry (rf-GD-AAS). <i>Applied Spectroscopy</i> , 1994, 48, 623-629.	2.2	20
86	Optimization of discharge parameters of a pin-type radio frequency glow discharge source for a quadrupole mass spectrometer system. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 1045.	3.0	20
87	rf-Powered glow discharges. Elemental analysis. <i>Analytical Chemistry</i> , 1994, 66, 902A-911A.	6.5	20
88	Solid phase extraction of proteins from buffer solutions employing capillary-channeled polymer (C-CP) fibers as the stationary phase. <i>Analyst</i> , 2013, 138, 1098-1106.	3.5	20
89	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
90	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

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91	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
92	Practical Aspects in the Determination of Gaseous Elements by Radiofrequency Glow Discharge Atomic Emission Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 1027-1032.	3.0	19
93	Micro-scale analytical plasmas for liquid chromatography detection. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 96-98.	3.7	19
94	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
95	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
96	Concomitant ion effects on isotope ratio measurements with liquid sampling $\alpha\epsilon$ atmospheric pressure glow discharge ion source Orbitrap mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 251-259.	3.0	19
97	Radio frequency glow discharge optical emission spectroscopy: a new weapon in the depth profiling arsenal. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 656-663.	3.7	18
98	Collisional dissociation in plasma source mass spectrometry: A potential alternative to chemical reactions for isobar removal. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 591.	3.0	18
99	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
100	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
101	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
102	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
103	Analysis of geological samples by hollow cathode plume atomic emission spectrometry. <i>Analytical Chemistry</i> , 1987, 59, 2369-2373.	6.5	17
104	Investigation of the role of hollow cathode (vaporization) temperature on the performance of particle beam-hollow cathode atomic emission spectrometry (PB-HC-AES). <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 115-121.	3.0	17
105	Development of a new liquid chromatography method for the separation and speciation of organic and inorganic selenium compounds via particle beam-hollow cathode glow discharge-optical emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 99-103.	3.0	17
106	Organic and inorganic arsenic speciation through ion exchange chromatography with particle beam-glow discharge mass spectrometry detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1309.	3.0	17
107	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
108	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

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109	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
110	Effects of target gas in collision-induced dissociation using a double quadrupole mass spectrometer and radiofrequency. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 845-851.	2.8	16
111	Preliminary study of the role of discharge conditions on the in-depth analysis of conducting thin films by radiofrequency glow discharge optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 671-676.	3.0	16
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	Effects of Limiting Orifice (Anode) Geometries on Charged Particle Characteristics in an Analytical Radiofrequency Glow Discharge as Determined by Langmuir, Current and Voltage Probes. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 33-41.	3.0	14
120	Particle beam glow discharge mass spectrometry: spectral characteristics of nucleobases. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1749-1758.	1.5	14
121	Selenium compound analysis by particle beam/hollow cathode optical emission spectroscopy (PB/HC-OES): monitoring of carbon and hydrogen emission from organoselenium compounds. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 589.	3.0	14
122	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
123	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
124	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
125	Studies of Analyte Particle Transport in a Particle Beam-Hollow Cathode Atomic Emission Spectrometry System. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 807-815.	3.0	13
126	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

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127	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
128	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
129	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
130	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
131	Rapid isolation of extracellular vesicles from diverse biofluid matrices via capillary-channeled polymer fiber solid-phase extraction micropipette tips. <i>Analyst, The</i> , 2021, 146, 4314-4325.	3.5	13
132	Cryogenically cooled sample holder for polymer sample analysis by radiofrequency glow discharge mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 1214-1219.	2.8	12
133	Direct analysis of glass powder samples by radio frequency glow discharge atomic emission spectrometry (rf-GD-AES). <i>Mikrochimica Acta</i> , 1998, 129, 239-250.	5.0	12
134	Depth-resolved analysis of Ni-P plated aluminium hard disks by radiofrequency glow discharge optical emission spectroscopy (rf-GD-OES). <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 345-353.	3.0	12
135	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
136	Fundamental Plasma Processes. , 1993, , 17-66.		11
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