

Mehdi Moini

List of Publications by Year in descending order

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35
papers

1,590
citations

361413

20
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1098
citing authors

#	ARTICLE	IF	CITATIONS
1	Simplifying CE-MS Operation. 2. Interfacing Low-Flow Separation Techniques to Mass Spectrometry Using a Porous Tip. <i>Analytical Chemistry</i> , 2007, 79, 4241-4246.	6.5	290
2	Capillary electrophoresis mass spectrometry and its application to the analysis of biological mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 466-480.	3.7	131
3	Sodium trifluoroacetate as a tune/calibration compound for positive- and negative-ion electrospray ionization mass spectrometry in the mass range of 100-4000 Da. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 977-980.	2.8	92
4	A novel sheathless interface for capillary electrophoresis/electrospray ionization mass spectrometry using an in-capillary electrode. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 561-564.	2.8	88
5	Analysis of Underivatized Amino Acids and Their d/l-Enantiomers by Sheathless Capillary Electrophoresis/Electrospray Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 1508-1513.	6.5	83
6	CE/Electrospray Ionization-MS Analysis of Underivatized d/l-Amino Acids and Several Small Neurotransmitters at Attomole Levels through the Use of 18-Crown-6-tetracarboxylic Acid as a Complexation Reagent/Background Electrolyte. <i>Analytical Chemistry</i> , 2003, 75, 6282-6287.	6.5	82
7	Hydroquinone as a Buffer Additive for Suppression of Bubbles Formed by Electrochemical Oxidation of the CE Buffer at the Outlet Electrode in Capillary Electrophoresis/Electrospray Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 1658-1661.	6.5	67
8	Design and Performance of a Universal Sheathless Capillary Electrophoresis to Mass Spectrometry Interface Using a Split-Flow Technique. <i>Analytical Chemistry</i> , 2001, 73, 3497-3501.	6.5	67
9	Analysis of peptides, proteins, protein digests, and whole human blood by capillary electrophoresis/electrospray ionization-mass spectrometry using an in-capillary electrode sheathless interface. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 1081-1088.	2.8	60
10	Development of Multi-ESI-Sprayer, Multi-Atmospheric-Pressure-inlet Mass Spectrometry and Its Application to Accurate Mass Measurement Using Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2000, 72, 20-24.	6.5	54
11	Control of Electrochemical Reactions at the Capillary Electrophoresis Outlet/Electrospray Emitter Electrode under CE/ESI-MS through the Application of Redox Buffers. <i>Analytical Chemistry</i> , 2001, 73, 240-246.	6.5	54
12	Analysis of Carbonic Anhydrase in Human Red Blood Cells Using Capillary Electrophoresis/Electrospray Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 3772-3776.	6.5	50
13	Application of capillary electrophoresis/ electrospray ionization-mass spectrometry to subcellular proteomics of Escherichia coli ribosomal proteins. <i>Electrophoresis</i> , 2004, 25, 1981-1987.	2.4	50
14	Dating Silk By Capillary Electrophoresis Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 7577-7581.	6.5	47
15	Ultramark 1621 as a calibration/reference compound for mass spectrometry. II. Positive- and negative-ion electrospray ionization. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 711-714.	1.5	42
16	Analysis of underivatized amino acid mixtures using high performance liquid chromatography/dual oscillating nebulizer atmospheric pressure microwave induced plasma ionization-mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 117-122.	2.8	41
17	Capillary electrophoresis/electrospray ionization high mass accuracy time-of-flight mass spectrometry for protein identification using peptide mapping. , 1998, 12, 864-870.		33
18	Separation and detection of the α - and β -chains of hemoglobin of a single intact red blood cell using capillary electrophoresis/electrospray ionization time-of-flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 184-186.	2.8	30

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19	Pressure-assisted and pressure-programmed capillary electrophoresis/electrospray ionization time of flight - mass spectrometry for the analysis of peptide mixtures. <i>Electrophoresis</i> , 1998, 19, 2200-2206.	2.4	26
20	Ultramark 1621 as a reference compound for positive and negative ion fast-atom bombardment high-resolution mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 842-846.	2.8	25
21	A comparison between DART-MS and DSA-MS in the forensic analysis of writing inks. <i>Forensic Science International</i> , 2018, 289, 27-32.	2.2	21
22	Isomerization of linear C ₃ H ₃ ⁺ in its reaction with acetylene, and collisional stabilization of the [C ₅ H ₅ ⁺] [*] collision complex in a quadrupole ion trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 631-636.	2.8	19
23	Selective detection and characterization of chlorine- and bromine-containing compounds in complex mixtures using microwave-induced plasma/chemical reaction interface mass spectrometry. <i>Biological Mass Spectrometry</i> , 1992, 21, 693-699.	0.5	19
24	Characterization of fluorinated ethylchloroformate derivatives of protein amino acids using positive and negative chemical ionization gas chromatography/mass spectrometry. <i>Biological Mass Spectrometry</i> , 1994, 23, 277-282.	0.5	18
25	Capillary Electrophoresisâ€“Electrospray Ionization Mass Spectrometry of Amino Acids, Peptides, and Proteins. , 2004, 276, 253-290.		17
26	Portable, Battery Operated Capillary Electrophoresis with Optical Isomer Resolution Integrated with Ionization Source for Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 388-393.	2.8	13
27	Conversion of the Finniganâ€“MAT TSOâ€“70 thermospray ionization interface to an electrospray ionization interface. <i>Review of Scientific Instruments</i> , 1994, 65, 591-596.	1.3	12
28	Direct sample analysis-mass spectrometry vs separation mass spectrometry techniques for the analysis of writing inks. <i>Forensic Chemistry</i> , 2016, 1, 78-85.	2.8	12
29	Design and performance of a high resolution electrospray ion source for a magnetic sector mass spectrometer with a heated capillary inlet. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 1256-1261.	2.8	9
30	Selective Detection of Selenium in Water Utilizing Chemical Reaction Interface Mass Spectrometryâ€“. <i>Journal of Mass Spectrometry</i> , 1997, 32, 420-424.	1.6	9
31	Rapid Derivatization and Gas Chromatography/Mass Spectrometry Analysis of Dipeptides in Aqueous Solution. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 349-352.	1.5	9
32	Atmospheric pressure microwave induced plasma ionization source for molecular mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 42-49.	2.8	7
33	Buyid Silk and the Tale of Bibi Shahrbanu: Identification of Biomarkers of Artificial Aging (Forgery) of Silk. <i>Analytical Chemistry</i> , 2017, 89, 10158-10161.	6.5	7
34	Analysis of ballpoint pen inks directly from paper using capillary electrophoresis. <i>Forensic Chemistry</i> , 2019, 13, 100145.	2.8	4
35	Fomblin as a reference compound for negative ion fast atom bombardment high-resolution mass spectrometry in the mass range of 180-3000 u. <i>Biological Mass Spectrometry</i> , 1993, 22, 170-175.	0.5	2