Kelsey D Cook

List of Publications by Year
in descending order

64 papers	2,239 citations	218677 26 h-index	223800 46 g-index
64 all docs	64 docs citations	64 times ranked	2119 citing authors

#	Article	IF	Citations
1	Mapping AÎ² Amyloid Fibril Secondary Structure Using Scanning Proline Mutagenesis. Journal of Molecular Biology, 2004, 335, 833-842.	4.2	377
2	Structural properties of AÎ² protofibrils stabilized by a small molecule. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7115-7120.	7.1	135
3	Protonation in electrospray mass spectrometry: Wrong-way-round or right-way-round?. Journal of the American Society for Mass Spectrometry, 2000, 11, 961-966.	2.8	133
4	Structural Differences in AÎ² Amyloid Protofibrils and Fibrils Mapped by Hydrogen Exchange â€" Mass Spectrometry with On-line Proteolytic Fragmentation. Journal of Molecular Biology, 2006, 361, 785-795.	4.2	130
5	Ionization Mechanism of Positive-Ion Direct Analysis in Real Time: A Transient Microenvironment Concept. Analytical Chemistry, 2009, 81, 10080-10088.	6.5	121
6	Oxidation Artifacts in the Electrospray Mass Spectrometry of AÎ² Peptide. Analytical Chemistry, 2007, 79, 2031-2036.	6.5	108
7	A mechanistic study of electrospray mass spectrometry: Charge gradients within electrospray droplets and their influence on ion response. Journal of the American Society for Mass Spectrometry, 2001, 12, 206-214.	2.8	105
8	Electrohydrodynamic mass spectrometry. Mass Spectrometry Reviews, 1986, 5, 467-519.	5.4	83
9	Profiling pH Changes in the Electrospray Plume. Analytical Chemistry, 2002, 74, 4885-4888.	6.5	76
10	Probing Solvent Fractionation in Electrospray Droplets with Laser-Induced Fluorescence of a Solvatochromic Dye. Analytical Chemistry, 2000, 72, 963-969.	6.5	63
11	Investigation of the Electrospray Plume by Laser-Induced Fluorescence Spectroscopy. Analytical Chemistry, 1999, 71, 769-776.	6.5	60
12	Mass spectrometric study of interactions between poly(ethylene glycols) and alkali metals in solution. Macromolecules, 1983, 16, 1736-1740.	4.8	46
13	Enhanced correction methods for hydrogen exchange-mass spectrometric studies of amyloid fibrils. Protein Science, 2003, 12, 635-643.	7.6	39
14	Single- and Few-Chain Polystyrene Particles by Electrospray. Macromolecules, 1997, 30, 6238-6242.	4.8	36
15	On-Line Mass Spectrometry:Â A Faster Route to Process Monitoring and Control. Industrial & Engineering Chemistry Research, 1999, 38, 1192-1204.	3.7	35
16	Mechanism of surfactant-induced changes in the visible spectrometry of metal-Chrome Azurol S complexes. Analytical Chemistry, 1984, 56, 1632-1640.	6.5	33
17	Physical properties of matrices used for fast atom bombardment. Biomedical & Environmental Mass Spectrometry, 1989, 18, 492-497.	1.6	33
18	Fluorometric Measurement and Modeling of Droplet Temperature Changes in an Electrospray Plume. Analytical Chemistry, 2014, 86, 464-472.	6.5	33

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19	Improving fast atom bombardment mass spectra: The influence of some controllable parameters on spectral quality. Journal of the American Society for Mass Spectrometry, 1990, 1, 149-157.	2.8	32
20	Determination of critical micelle concentrations by bipolar pulse conductance. Journal of Colloid and Interface Science, 1980, 76, 434-438.	9.4	30
21	Energy deposition in desorption ionization. International Journal of Mass Spectrometry and Ion Processes, 1983, 54, 135-149.	1.8	30
22	Salt effects on the surfactant-sensitized spectrophotometric determination of beryllium with Chrome Azurol S. Analytical Chemistry, 1982, 54, 59-62.	6.5	29
23	Effects of molecular entanglements during electrospray of high molecular weight polymers. Journal of the American Society for Mass Spectrometry, 1998, 9, 299-304.	2.8	29
24	Observation of some transition metal complexes in solution by electrohydrodynamic ionization mass spectrometry. Journal of the American Chemical Society, 1982, 104, 5031-5034.	13.7	28
25	Hydrogen/Deuterium Exchange Mass Spectrometry Analysis of Protein Aggregates. Methods in Enzymology, 2006, 413, 140-166.	1.0	28
26	Factors affecting mass spectral sensitivity for ions sampled by field evaporation from a liquid matrix. Analytical Chemistry, 1983, 55, 1306-1309.	6.5	26
27	Electrohydrodynamic mass spectrometric studies of some polyether-cation complexes. Journal of the American Chemical Society, 1985, 107, 4635-4640.	13.7	25
28	Glycerol-induced reduction in electrohydrodynamic mass spectrometry. Analytical Chemistry, 1988, 60, 714-719.	6.5	25
29	Charge-remote fragmentation in a hybrid (BEqQ) mass spectrometer to determine isotopic purity in selectively polydeuterated surfactants. Journal of the American Society for Mass Spectrometry, 1990, 1, 85-91.	2.8	20
30	Extended mass range by multiple charge: Sampling quadruply charged quasimolecular ions of poly(ethylene glycol) 4000. Organic Mass Spectrometry, 1983, 18, 423-425.	1.3	19
31	Evaluation of direct analysis in real time mass spectrometry for onsite monitoring of batch slurry reactions. Rapid Communications in Mass Spectrometry, 2011, 25, 3575-3580.	1.5	18
32	m-nitrobenzyl alcohol electrochemistry in fast atom bombardment mass spectrometry. Journal of the American Society for Mass Spectrometry, 1992, 3, 113-121.	2.8	17
33	Liquid chromatography/dopant-assisted atmospheric pressure chemical ionization mass spectrometry for the analysis of non-polar compounds. International Journal of Mass Spectrometry, 2011, 303, 173-180.	1.5	17
34	Secondary ion emission from solutions: time dependence and surface phenomena. Analytical Chemistry, 1992, 64, 3052-3058.	6.5	15
35	Chemical reactivity of glycerol as a mass spectrometric matrix. Analytical Chemistry, 1983, 55, 1422-1424.	6.5	13
36	Use of Fourier Transform for Deconvolution of the Unresolved Envelope Observed in Electrospray Ionization Mass Spectrometry of Strongly Ionic Synthetic Polymers. Analytical Chemistry, 2004, 76, 127-136.	6.5	13

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37	A triaxial probe for on-line proteolysis coupled with hydrogen/deuterium exchange-electrospray mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 208-217.	2.8	13
38	Quantitative Real-Time Monitoring of Chemical Reactions by Autosampling Flow Injection Analysis Coupled with Atmospheric Pressure Chemical Ionization Mass Spectrometry. Analytical Chemistry, 2012, 84, 7547-7554.	6.5	13
39	Factors affecting the sampling of poly(ethyleneimines) by electrohydrodynamic mass spectrometry. Analytical Chemistry, 1988, 60, 706-713.	6.5	12
40	Surfactant effects on the spectrophotometry of the gadoliniumâ€"chrome azurols complex. Analytica Chimica Acta, 1984, 162, 293-304.	5.4	11
41	Sampling of ions from volatile solutions by electrohydrodynamic mass spectrometry. Analytical Chemistry, 1984, 56, 1015-1020.	6.5	11
42	Fast atom bombardment-induced condensation of glycerol with ammonium surfactants. I: Regioselectivity of the adduct formation. Journal of the American Society for Mass Spectrometry, 1992, 3, 318-325.	2.8	11
43	Profiling an Electrospray Plume Using Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2005, 77, 8151-8154.	6.5	11
44	Development of a Multipoint Quantitation Method to Simultaneously Measure Enzymatic and Structural Components of the <i>Clostridium thermocellum</i> Cellulosome Protein Complex. Journal of Proteome Research, 2014, 13, 692-701.	3.7	11
45	Time-Dependent Permeance of Gas Mixtures through Zeolite Membranes. Analytical Chemistry, 1999, 71, 1016-1020.	6.5	10
46	Mass transport effects in electrohydrodynamic mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1987, 75, 291-317.	1.8	9
47	Effect of varying counterions on the sensitivity of electrohydrodynamic and fast atom bombardment mass spectrometry. Journal of the American Society for Mass Spectrometry, 1990, 1, 233-237.	2.8	9
48	ASMS members John Fenn and Koichi Tanaka share Nobel: The world learns our â€œsecretâ€• Journal of the American Society for Mass Spectrometry, 2002, 13, 1359-1359.	2.8	7
49	Characterizing the Range of Extracellular Protein Post-Translational Modifications in a Cellulose-Degrading Bacteria Using a Multiple Proteolyic Digestion/Peptide Fragmentation Approach. Analytical Chemistry, 2013, 85, 3144-3151.	6.5	7
50	Fast-atom bombardment-induced condensation of glycerol with ammonium surfactants II: Time dependence of mass spectra and tandem mass spectra. Journal of the American Society for Mass Spectrometry, 1994, 5, 92-99.	2.8	6
51	Determination of flux from a saddle field fast-atom bombardment gun. Journal of the American Society for Mass Spectrometry, 1994, 5, 100-105.	2.8	6
52	Mass spectrometric signature of S-prenylated cysteine peptides. Analytical Biochemistry, 1991, 193, 173-177.	2.4	5
53	Simultaneous analysis of butene isomer mixtures using process mass spectrometry. Journal of the American Society for Mass Spectrometry, 2000, 11, 1079-1085.	2.8	5
54	Qualitative assessment of monomer ratios in putative ionic terpolymer samples by electrospray ionization mass spectrometry with collision-induced dissociation. Journal of the American Society for Mass Spectrometry, 2002, 13, 921-927.	2.8	5

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55	Mass transport and ion pairing effects in electrohydrodynamic mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1990, 97, 325-332.	1.8	4
56	Calibration for determining monomer ratios in copolymers by electrospray ionization mass spectrometry. International Journal of Mass Spectrometry, 2004, 238, 207-214.	1.5	4
57	Complementary peptide sequence coverage using alternative enzymes for on-line digestion with a triaxial electrospray probe. Journal of the American Society for Mass Spectrometry, 2009, 20, 1983-1987.	2.8	3
58	Probing the Mechanism of Micellar Sensitization of Photometric Analysis. , 1982, , 1283-1304.		3
59	<title>Separation and characterization of single-chain polymer particles</title>. , 1996, , .		2
60	Thoughts on Writing for Review: A Former JASMS Associate Editorâ€™s Perspective. Journal of the American Society for Mass Spectrometry, 2020, 31, 1010-1014.	2.8	1
61	Science at the Interface with Art. Materials Research Society Symposia Proceedings, 2011, 1319, 1.	0.1	0
62	Thoughts on Writing for Review: An NSF Program Officerâ€™s Perspective. Journal of the American Society for Mass Spectrometry, 2020, 31, 1491-1498.	2.8	0
63	Electrohydrodynamic Mass Spectrometry: How High Can It Go?. NATO ASI Series Series B: Physics, 1991, , 195-199.	0.2	0
64	Joe Louis Franklin, Jr.. , 2015, , 82.		0