

Kelsey D Cook

List of Publications by Year in descending order

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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	Thoughts on Writing for Review: An NSF Program Officer's Perspective. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1491-1498.	2.8	0
2	Thoughts on Writing for Review: A Former JASMS Associate Editor's Perspective. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1010-1014.	2.8	1
3	Joe Louis Franklin, Jr., 2015, , 82.		0
4	Fluorometric Measurement and Modeling of Droplet Temperature Changes in an Electrospray Plume. <i>Analytical Chemistry</i> , 2014, 86, 464-472.	6.5	33
5	Development of a Multipoint Quantitation Method to Simultaneously Measure Enzymatic and Structural Components of the <i>Clostridium thermocellum</i> Cellulosome Protein Complex. <i>Journal of Proteome Research</i> , 2014, 13, 692-701.	3.7	11
6	Characterizing the Range of Extracellular Protein Post-Translational Modifications in a Cellulose-Degrading Bacteria Using a Multiple Proteolytic Digestion/Peptide Fragmentation Approach. <i>Analytical Chemistry</i> , 2013, 85, 3144-3151.	6.5	7
7	Quantitative Real-Time Monitoring of Chemical Reactions by Autosampling Flow Injection Analysis Coupled with Atmospheric Pressure Chemical Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 7547-7554.	6.5	13
8	Evaluation of direct analysis in real time mass spectrometry for onsite monitoring of batch slurry reactions. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3575-3580.	1.5	18
9	Liquid chromatography/dopant-assisted atmospheric pressure chemical ionization mass spectrometry for the analysis of non-polar compounds. <i>International Journal of Mass Spectrometry</i> , 2011, 303, 173-180.	1.5	17
10	Science at the Interface with Art. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1319, 1.	0.1	0
11	Complementary peptide sequence coverage using alternative enzymes for on-line digestion with a triaxial electrospray probe. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1983-1987.	2.8	3
12	Ionization Mechanism of Positive-Ion Direct Analysis in Real Time: A Transient Microenvironment Concept. <i>Analytical Chemistry</i> , 2009, 81, 10080-10088.	6.5	121
13	Oxidation Artifacts in the Electrospray Mass Spectrometry of A β Peptide. <i>Analytical Chemistry</i> , 2007, 79, 2031-2036.	6.5	108
14	A triaxial probe for on-line proteolysis coupled with hydrogen/deuterium exchange-electrospray mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 208-217.	2.8	13
15	Hydrogen/Deuterium Exchange Mass Spectrometry Analysis of Protein Aggregates. <i>Methods in Enzymology</i> , 2006, 413, 140-166.	1.0	28
16	Structural Differences in A β Amyloid Protofibrils and Fibrils Mapped by Hydrogen Exchange " Mass Spectrometry with On-line Proteolytic Fragmentation. <i>Journal of Molecular Biology</i> , 2006, 361, 785-795.	4.2	130
17	Structural properties of A β protofibrils stabilized by a small molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7115-7120.	7.1	135
18	Profiling an Electrospray Plume Using Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 8151-8154.	6.5	11

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19	Calibration for determining monomer ratios in copolymers by electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2004, 238, 207-214.	1.5	4
20	Use of Fourier Transform for Deconvolution of the Unresolved Envelope Observed in Electrospray Ionization Mass Spectrometry of Strongly Ionic Synthetic Polymers. <i>Analytical Chemistry</i> , 2004, 76, 127-136.	6.5	13
21	Mapping A β Amyloid Fibril Secondary Structure Using Scanning Proline Mutagenesis. <i>Journal of Molecular Biology</i> , 2004, 335, 833-842.	4.2	377
22	Enhanced correction methods for hydrogen exchange-mass spectrometric studies of amyloid fibrils. <i>Protein Science</i> , 2003, 12, 635-643.	7.6	39
23	Profiling pH Changes in the Electrospray Plume. <i>Analytical Chemistry</i> , 2002, 74, 4885-4888.	6.5	76
24	Qualitative assessment of monomer ratios in putative ionic terpolymer samples by electrospray ionization mass spectrometry with collision-induced dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 921-927.	2.8	5
25	ASMS members John Fenn and Koichi Tanaka share Nobel: The world learns our "secret". <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 1359-1359.	2.8	7
26	A mechanistic study of electrospray mass spectrometry: Charge gradients within electrospray droplets and their influence on ion response. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 206-214.	2.8	105
27	Protonation in electrospray mass spectrometry: Wrong-way-round or right-way-round?. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 961-966.	2.8	133
28	Simultaneous analysis of butene isomer mixtures using process mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 1079-1085.	2.8	5
29	Probing Solvent Fractionation in Electrospray Droplets with Laser-Induced Fluorescence of a Solvatochromic Dye. <i>Analytical Chemistry</i> , 2000, 72, 963-969.	6.5	63
30	Investigation of the Electrospray Plume by Laser-Induced Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , 1999, 71, 769-776.	6.5	60
31	On-Line Mass Spectrometry: A Faster Route to Process Monitoring and Control. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1192-1204.	3.7	35
32	Time-Dependent Permeance of Gas Mixtures through Zeolite Membranes. <i>Analytical Chemistry</i> , 1999, 71, 1016-1020.	6.5	10
33	Effects of molecular entanglements during electrospray of high molecular weight polymers. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 299-304.	2.8	29
34	Single- and Few-Chain Polystyrene Particles by Electrospray. <i>Macromolecules</i> , 1997, 30, 6238-6242.	4.8	36
35	<title>Separation and characterization of single-chain polymer particles</title> . , 1996, , .		2
36	Fast-atom bombardment-induced condensation of glycerol with ammonium surfactants II: Time dependence of mass spectra and tandem mass spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 92-99.	2.8	6

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37	Determination of flux from a saddle field fast-atom bombardment gun. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 100-105.	2.8	6
38	Secondary ion emission from solutions: time dependence and surface phenomena. <i>Analytical Chemistry</i> , 1992, 64, 3052-3058.	6.5	15
39	m-nitrobenzyl alcohol electrochemistry in fast atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 113-121.	2.8	17
40	Fast atom bombardment-induced condensation of glycerol with ammonium surfactants. I: Regioselectivity of the adduct formation. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 318-325.	2.8	11
41	Mass spectrometric signature of S-prenylated cysteine peptides. <i>Analytical Biochemistry</i> , 1991, 193, 173-177.	2.4	5
42	Electrohydrodynamic Mass Spectrometry: How High Can It Go?. <i>NATO ASI Series Series B: Physics</i> , 1991, , 195-199.	0.2	0
43	Charge-remote fragmentation in a hybrid (BEqQ) mass spectrometer to determine isotopic purity in selectively polydeuterated surfactants. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 85-91.	2.8	20
44	Effect of varying counterions on the sensitivity of electrohydrodynamic and fast atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 233-237.	2.8	9
45	Improving fast atom bombardment mass spectra: The influence of some controllable parameters on spectral quality. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 149-157.	2.8	32
46	Mass transport and ion pairing effects in electrohydrodynamic mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1990, 97, 325-332.	1.8	4
47	Physical properties of matrices used for fast atom bombardment. <i>Biomedical & Environmental Mass Spectrometry</i> , 1989, 18, 492-497.	1.6	33
48	Glycerol-induced reduction in electrohydrodynamic mass spectrometry. <i>Analytical Chemistry</i> , 1988, 60, 714-719.	6.5	25
49	Factors affecting the sampling of poly(ethyleneimines) by electrohydrodynamic mass spectrometry. <i>Analytical Chemistry</i> , 1988, 60, 706-713.	6.5	12
50	Mass transport effects in electrohydrodynamic mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1987, 75, 291-317.	1.8	9
51	Electrohydrodynamic mass spectrometry. <i>Mass Spectrometry Reviews</i> , 1986, 5, 467-519.	5.4	83
52	Electrohydrodynamic mass spectrometric studies of some polyether-cation complexes. <i>Journal of the American Chemical Society</i> , 1985, 107, 4635-4640.	13.7	25
53	Surfactant effects on the spectrophotometry of the gadolinium- ³⁺ chrome azurols complex. <i>Analytica Chimica Acta</i> , 1984, 162, 293-304.	5.4	11
54	Sampling of ions from volatile solutions by electrohydrodynamic mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 1015-1020.	6.5	11

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55	Mechanism of surfactant-induced changes in the visible spectrometry of metal-Chrome Azurol S complexes. <i>Analytical Chemistry</i> , 1984, 56, 1632-1640.	6.5	33
56	Extended mass range by multiple charge: Sampling quadruply charged quasimolecular ions of poly(ethylene glycol) 4000. <i>Organic Mass Spectrometry</i> , 1983, 18, 423-425.	1.8	19
57	Energy deposition in desorption ionization. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1983, 54, 135-149.	1.8	30
58	Factors affecting mass spectral sensitivity for ions sampled by field evaporation from a liquid matrix. <i>Analytical Chemistry</i> , 1983, 55, 1306-1309.	6.5	26
59	Mass spectrometric study of interactions between poly(ethylene glycols) and alkali metals in solution. <i>Macromolecules</i> , 1983, 16, 1736-1740.	4.8	46
60	Chemical reactivity of glycerol as a mass spectrometric matrix. <i>Analytical Chemistry</i> , 1983, 55, 1422-1424.	6.5	13
61	Salt effects on the surfactant-sensitized spectrophotometric determination of beryllium with Chrome Azurol S. <i>Analytical Chemistry</i> , 1982, 54, 59-62.	6.5	29
62	Observation of some transition metal complexes in solution by electrohydrodynamic ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , 1982, 104, 5031-5034.	13.7	28
63	Probing the Mechanism of Micellar Sensitization of Photometric Analysis. , 1982, , 1283-1304.		3
64	Determination of critical micelle concentrations by bipolar pulse conductance. <i>Journal of Colloid and Interface Science</i> , 1980, 76, 434-438.	9.4	30