

Bradley B Schneider

List of Publications by Year in descending order

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43
papers

1,991
citations

279798

23
h-index

289244

40
g-index

44
all docs

44
docs citations

44
times ranked

1393
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric pressure ion sources. <i>Mass Spectrometry Reviews</i> , 2009, 28, 870-897.	5.4	243
2	Comparison of Drug Distribution Images from Whole-Body Thin Tissue Sections Obtained Using Desorption Electrospray Ionization Tandem Mass Spectrometry and Autoradiography. <i>Analytical Chemistry</i> , 2008, 80, 5168-5177.	6.5	159
3	Chemical Effects in the Separation Process of a Differential Mobility/Mass Spectrometer System. <i>Analytical Chemistry</i> , 2010, 82, 1867-1880.	6.5	153
4	Planar differential mobility spectrometer as a pre-filter for atmospheric pressure ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2010, 298, 45-54.	1.5	147
5	Differential mobility spectrometry/mass spectrometry history, theory, design optimization, simulations, and applications. <i>Mass Spectrometry Reviews</i> , 2016, 35, 687-737.	5.4	142
6	Electrospray ionization source geometry for mass spectrometry: past, present, and future. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 243-256.	11.4	106
7	Probing Electrospray Ionization Dynamics Using Differential Mobility Spectrometry: The Curious Case of 4-Aminobenzoic Acid. <i>Analytical Chemistry</i> , 2012, 84, 7857-7864.	6.5	94
8	Control of Chemical Effects in the Separation Process of a Differential Mobility Mass Spectrometer System. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 57-71.	1.0	73
9	Design considerations for high speed quantitative mass spectrometry with MALDI ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1129-1141.	2.8	68
10	Collision-Induced Dissociation of Ions within the Orifice-Skimmer Region of an Electrospray Mass Spectrometer. <i>Analytical Chemistry</i> , 2000, 72, 791-799.	6.5	60
11	Selection and generation of waveforms for differential mobility spectrometry. <i>Review of Scientific Instruments</i> , 2010, 81, 024101.	1.3	58
12	AP and vacuum MALDI on a QqLIT instrument. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 176-182.	2.8	54
13	Detection of radiation-exposure biomarkers by differential mobility prefiltered mass spectrometry (DMS-MS). <i>International Journal of Mass Spectrometry</i> , 2010, 291, 108-117.	1.5	52
14	Differential Mobility Spectrometry of Isomeric Protonated Dipeptides: Modifier and Field Effects on Ion Mobility and Stability. <i>Analytical Chemistry</i> , 2011, 83, 3470-3476.	6.5	47
15	Fast quantitation of opioid isomers in human plasma by differential mobility spectrometry/mass spectrometry via SPME/open-port probe sampling interface. <i>Analytica Chimica Acta</i> , 2017, 991, 89-94.	5.4	46
16	Ion sampling effects under conditions of total solvent consumption. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1538-1544.	1.5	43
17	Peak capacity in differential mobility spectrometry: effects of transport gas and gas modifiers. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 141-150.	1.4	43
18	DMS-MS separations with different transport gas modifiers. <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 207-216.	1.4	41

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19	Assessing Physicochemical Properties of Drug Molecules via Microsolvation Measurements with Differential Mobility Spectrometry. <i>ACS Central Science</i> , 2017, 3, 101-109.	11.3	37
20	Particle discriminator interface for nanoflow ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 1236-1246.	2.8	36
21	Automated nanospray using chip-based emitters for the quantitative analysis of pharmaceutical compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 363-369.	2.8	35
22	Rapid analysis of isomeric exogenous metabolites by differential mobility spectrometry " mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3382-3386.	1.5	32
23	Multiple sprayer system for high-throughput electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1982-1990.	1.5	26
24	Collision-induced dissociation of bradykinin ions in the interface region of an ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 772-779.	2.8	22
25	Stable gradient nanoflow LC-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1545-1551.	2.8	21
26	Ion fragmentation in an electrospray ionization mass spectrometer interface with different gases. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 249-257.	1.5	20
27	An atmospheric pressure ion lens that improves nebulizer assisted electrospray ion sources. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 906-913.	2.8	20
28	An atmospheric pressure ion lens to improve electrospray ionization at low solution flow-rates. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2168-2175.	1.5	17
29	On the Nature of Mass Spectrometer Analyzer Contamination. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2384-2392.	2.8	13
30	Maximizing Ion Transmission in Differential Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2151-2159.	2.8	12
31	The Charge-State and Structural Stability of Peptides Conferred by Microsolvating Environments in Differential Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 956-968.	2.8	12
32	Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	9
33	UV-Induced Bond Modifications in Thymine and Thymine Dideoxynucleotide: Structural Elucidation of Isomers by Differential Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 6163-6167.	6.5	8
34	Calibrant delivery for mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 991-996.	2.8	6
35	Ion Guide for Improved Atmosphere to Mass Spectrometer Vacuum Ion Transfer. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1945-1951.	2.8	6
36	UVPD Spectroscopy of Differential Mobility-Selected Prototropic Isomers of Rivaroxaban. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8187-8195.	2.5	5

#	ARTICLE	IF	CITATIONS
37	Comparison of the peak capacity for DMS filters with various gap height: experimental and simulations results. International Journal for Ion Mobility Spectrometry, 2015, 18, 159-170.	1.4	4
38	Enhancing signal and mitigating up-front peptide fragmentation using controlled clustering by gas-phase modifiers. Analytical and Bioanalytical Chemistry, 2019, 411, 6365-6376.	3.7	3
39	Design Characteristics to Eliminate the Need for Parameter Optimization in Nanoflow ESI-MS. Journal of the American Society for Mass Spectrometry, 2019, 30, 2347-2357.	2.8	3
40	Sampling Efficiency Improvement to an Electrospray Ionization Mass Spectrometer and Its Implications for Liquid Chromatography Based Inlet Systems in the Nanoliter to Milliliter per Minute Flow Range. Journal of the American Society for Mass Spectrometry, 2021, 32, 1441-1447.	2.8	2
41	Frontispiece: Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	2
42	Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. Angewandte Chemie, 0, , .	2.0	0
43	Frontispiz: Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. Angewandte Chemie, 2022, 134, .	2.0	0