

Bradley B Schneider

List of Publications by Year in descending order

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43
papers

1,991
citations

279798

23
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289244

40
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all docs

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docs citations

44
times ranked

1393
citing authors

#	ARTICLE	IF	CITATIONS
1	Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	9
2	Frontispiz: Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
3	Frontispiece: Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	2
4	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
5	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
6	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. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1441-1447.	2.8	2
7	LIVPD Spectroscopy of Differential Mobility-Selected Prototropic Isomers of Rivaroxaban. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8187-8195.	2.5	5
8	Enhancing signal and mitigating up-front peptide fragmentation using controlled clustering by gas-phase modifiers. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6365-6376.	3.7	3
9	Design Characteristics to Eliminate the Need for Parameter Optimization in Nanoflow ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2347-2357.	2.8	3
10	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
11	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
12	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
13	Maximizing Ion Transmission in Differential Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2151-2159.	2.8	12
14	Differential mobility spectrometry/mass spectrometry history, theory, design optimization, simulations, and applications. <i>Mass Spectrometry Reviews</i> , 2016, 35, 687-737.	5.4	142
15	Comparison of the peak capacity for DMS filters with various gap height: experimental and simulations results. <i>International Journal for Ion Mobility Spectrometry</i> , 2015, 18, 159-170.	1.4	4
16	DMS-MS separations with different transport gas modifiers. <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 207-216.	1.4	41
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	Chemical Effects in the Separation Process of a Differential Mobility/Mass Spectrometer System. <i>Analytical Chemistry</i> , 2010, 82, 1867-1880.	6.5	153
25	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
26	Selection and generation of waveforms for differential mobility spectrometry. <i>Review of Scientific Instruments</i> , 2010, 81, 024101.	1.3	58
27	Atmospheric pressure ion sources. <i>Mass Spectrometry Reviews</i> , 2009, 28, 870-897.	5.4	243
28	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
29	Calibrant delivery for mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 991-996.	2.8	6
30	Ion sampling effects under conditions of total solvent consumption. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1538-1544.	1.5	43
31	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
32	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
33	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
34	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
35	Stable gradient nanoflow LC-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1545-1551.	2.8	21
36	Particle discriminator interface for nanoflow ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 1236-1246.	2.8	36

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37	An atmospheric pressure ion lens that improves nebulizer assisted electrospray ion sources. Journal of the American Society for Mass Spectrometry, 2002, 13, 906-913.	2.8	20
38	Multiple sprayer system for high-throughput electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1982-1990.	1.5	26
39	Collision-induced dissociation of bradykinin ions in the interface region of an ESI-MS. Journal of the American Society for Mass Spectrometry, 2001, 12, 772-779.	2.8	22
40	Ion fragmentation in an electrospray ionization mass spectrometer interface with different gases. Rapid Communications in Mass Spectrometry, 2001, 15, 249-257.	1.5	20
41	An atmospheric pressure ion lens to improve electrospray ionization at low solution flow-rates. Rapid Communications in Mass Spectrometry, 2001, 15, 2168-2175.	1.5	17
42	Collision-Induced Dissociation of Ions within the Orifice-Skimmer Region of an Electrospray Mass Spectrometer. Analytical Chemistry, 2000, 72, 791-799.	6.5	60
43	Protonation-Induced Chirality Drives Separation by Differential Ion Mobility Spectrometry. Angewandte Chemie, 0, , .	2.0	0