

Justin M Wiseman

List of Publications by Year in descending order

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38
papers

8,436
citations

218381

26
h-index

315357

38
g-index

42
all docs

42
docs citations

42
times ranked

4704
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometry Sampling Under Ambient Conditions with Desorption Electrospray Ionization. <i>Science</i> , 2004, 306, 471-473.	6.0	2,886
2	Ambient Mass Spectrometry. <i>Science</i> , 2006, 311, 1566-1570.	6.0	1,291
3	Ambient mass spectrometry using desorption electrospray ionization (DESI): instrumentation, mechanisms and applications in forensics, chemistry, and biology. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1261-1275.	0.7	773
4	Tissue Imaging at Atmospheric Pressure Using Desorption Electrospray Ionization (DESI) Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7188-7192.	7.2	530
5	Desorption electrospray ionization mass spectrometry: Imaging drugs and metabolites in tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18120-18125.	3.3	400
6	Preparing Protein Microarrays by Soft-Landing of Mass-Selected Ions. <i>Science</i> , 2003, 301, 1351-1354.	6.0	261
7	Electrosonic Spray Ionization. A Gentle Technique for Generating Folded Proteins and Protein Complexes in the Gas Phase and for Studying Ion-Molecule Reactions at Atmospheric Pressure. <i>Analytical Chemistry</i> , 2004, 76, 4050-4058.	3.2	250
8	Development of capabilities for imaging mass spectrometry under ambient conditions with desorption electrospray ionization (DESI). <i>International Journal of Mass Spectrometry</i> , 2007, 259, 8-15.	0.7	243
9	Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7094-7097.	7.2	224
10	Desorption electrospray ionization (DESI) mass spectrometry and tandem mass spectrometry (MS/MS) of phospholipids and sphingolipids: ionization, adduct formation, and fragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 531-543.	1.2	160
11	Ambient molecular imaging by desorption electrospray ionization mass spectrometry. <i>Nature Protocols</i> , 2008, 3, 517-524.	5.5	155
12	Desorption electrospray ionization mass spectrometry for the analysis of pharmaceuticals and metabolites. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 387-392.	0.7	147
13	Direct analysis of dried blood spots utilizing desorption electrospray ionization (DESI) mass spectrometry. <i>Analyst</i> , 2010, 135, 720.	1.7	126
14	Coupling Desorption Electrospray Ionization with Ion Mobility/Mass Spectrometry for Analysis of Protein Structure: Evidence for Desorption of Folded and Denatured States. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5045-5051.	1.2	116
15	Discrimination of Human Astrocytoma Subtypes by Lipid Analysis Using Desorption Electrospray Ionization Imaging Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5953-5956.	7.2	116
16	Ion soft-landing into liquids: Protein identification, separation, and purification with retention of biological activity. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1874-1884.	1.2	93
17	Coupling Desorption Electrospray Ionization with Solid-Phase Microextraction for Screening and Quantitative Analysis of Drugs in Urine. <i>Analytical Chemistry</i> , 2010, 82, 7502-7508.	3.2	80
18	Preparative Linear Ion Trap Mass Spectrometer for Separation and Collection of Purified Proteins and Peptides in Arrays Using Ion Soft Landing. <i>Analytical Chemistry</i> , 2004, 76, 6293-6305.	3.2	70

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19	Mass spectrometry imaging of levofloxacin distribution in TB-infected pulmonary lesions by MALDI-MSI and continuous liquid microjunction surface sampling. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 699-708.	0.7	60
20	Development of Stereotactic Mass Spectrometry for Brain Tumor Surgery. <i>Neurosurgery</i> , 2011, 68, 280-290.	0.6	58
21	Direct analysis of <i>Salvia divinorum</i> leaves for salvinorin A by thin layer chromatography and desorption electrospray ionization multi-stage tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1305-1311.	0.7	55
22	Direct Characterization of Enzyme-Substrate Complexes by Using Electrosonic Spray Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 913-916.	7.2	46
23	Data Processing for 3D Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1147-1156.	1.2	44
24	Rapid analysis of fentanyl and other novel psychoactive substances in substance use disorder patient urine using paper spray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1280-1286.	0.7	37
25	Evaluation and performance of desorption electrospray ionization using a triple quadrupole mass spectrometer for quantitation of pharmaceuticals in plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 309-314.	0.7	36
26	Desorption electrospray ionization-mass spectrometry for the detection of analytes extracted by thin-film molecularly imprinted polymers. <i>Analyst</i> , 2010, 135, 2237.	1.7	31
27	A preliminary study of the coupling of desorption electrospray ionization-mass spectrometry with pressurized planar electrochromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2008, 21, 11-14.	0.6	24
28	Elution, Partial Separation, and Identification of Lipids Directly from Tissue Slices on Planar Chromatography Media by Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 8866-8874.	3.2	21
29	Rapid screening and identification of novel psychoactive substances using PaperSpray interfaced to high resolution mass spectrometry. <i>Clinical Mass Spectrometry</i> , 2016, 1, 3-10.	1.9	11
30	Analysis of Dried Blood Spots Using DESI Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2014, 1198, 291-297.	0.4	10
31	Metabolic Imaging through Continuous In Situ Micro-extractions of Tissue Samples via Flowprobe Mass Spectrometry. <i>Current Metabolomics</i> , 2014, 2, 122-131.	0.5	9
32	Ion Soft Landing: Instrumentation, Phenomena, and Applications. , 2006, , 433-474.		8
33	Desorption Electrospray Ionization (DESI) Analysis of Intact Proteins/Oligopeptides. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.prot4992-pdb.prot4992.	0.2	7
34	Limited Azithromycin Localization to Rabbit Meibomian Glands Revealed by LC-MS-Based Bioanalysis and DESI Imaging. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 1586-1589.	0.6	6
35	Desorption Electrospray Ionization: Proteomics Studies by a Method That Bridges ESI and MALDI. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.top37.	0.2	4
36	Direct Characterization of Enzyme-Substrate Complexes by Using Electrosonic Spray Ionization Mass Spectrometry. <i>Angewandte Chemie</i> , 2005, 117, 935-938.	1.6	3

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37	New Mass Spec Method for Blood and Urine Screening. Genetic Engineering and Biotechnology News, 2014, 34, 20-21.	0.1	2
38	Cover Picture: Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization (Angew. Chem. Int. Ed. 43/2005). Angewandte Chemie - International Edition, 2005, 44, 6967-6967.	7.2	0