

# Justin M Wiseman

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

7,540<sup>0</sup>  
citations

25  
h-index

42  
g-index

42  
ext. papers

8,041  
ext. citations

7.5  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
42	Mass spectrometry sampling under ambient conditions with desorption electrospray ionization. <i>Science</i> , <b>2004</b> , 306, 471-3	33.3	2550
41	Detection Technologies. Ambient mass spectrometry. <i>Science</i> , <b>2006</b> , 311, 1566-70	33.3	1151
40	Ambient mass spectrometry using desorption electrospray ionization (DESI): instrumentation, mechanisms and applications in forensics, chemistry, and biology. <i>Journal of Mass Spectrometry</i> , <b>2005</b> , 40, 1261-75	2.2	691
39	Tissue imaging at atmospheric pressure using desorption electrospray ionization (DESI) mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7188-92	16.4	459
38	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> , <b>2008</b> , 105, 18120-5	11.5	366
37	Preparing protein microarrays by soft-landing of mass-selected ions. <i>Science</i> , <b>2003</b> , 301, 1351-4	33.3	241
36	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> , <b>2004</b> , 76, 4050-8	7.8	228
35	Development of capabilities for imaging mass spectrometry under ambient conditions with desorption electrospray ionization (DESI). <i>International Journal of Mass Spectrometry</i> , <b>2007</b> , 259, 8-15	1.9	224
34	Mass spectrometric profiling of intact biological tissue by using desorption electrospray ionization. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7094-7	16.4	209
33	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> , <b>2008</b> , 19, 531-43	3.5	150
32	Ambient molecular imaging by desorption electrospray ionization mass spectrometry. <i>Nature Protocols</i> , <b>2008</b> , 3, 517-24	18.8	141
31	Desorption electrospray ionization mass spectrometry for the analysis of pharmaceuticals and metabolites. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 387-92	2.2	137
30	Direct analysis of dried blood spots utilizing desorption electrospray ionization (DESI) mass spectrometry. <i>Analyst, The</i> , <b>2010</b> , 135, 720-5	5	115
29	Discrimination of human astrocytoma subtypes by lipid analysis using desorption electrospray ionization imaging mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5953-6	16.4	107
28	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> , <b>2006</b> , 110, 5045-51	3.4	98
27	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> , <b>2004</b> , 15, 1874-84	3.5	86
26	Coupling desorption electrospray ionization with solid-phase microextraction for screening and quantitative analysis of drugs in urine. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 7502-8	7.8	70

25	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> , <b>2004</b> , 76, 6293-305	7.8	62
24	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> , <b>2015</b> , 377, 699-708	1.9	53
23	Development of stereotactic mass spectrometry for brain tumor surgery. <i>Neurosurgery</i> , <b>2011</b> , 68, 280-89; discussion 290	3.2	48
22	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> , <b>2010</b> , 24, 1305-11	2.2	48
21	Direct characterization of enzyme-substrate complexes by using electrosonic spray ionization mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 913-6	16.4	44
20	Data processing for 3D mass spectrometry imaging. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 1147-56	3.5	42
19	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> , <b>2010</b> , 24, 309-14	2.2	35
18	Desorption electrospray ionization-mass spectrometry for the detection of analytes extracted by thin-film molecularly imprinted polymers. <i>Analyst, The</i> , <b>2010</b> , 135, 2237-40	5	27
17	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> , <b>2018</b> , 32, 1280-1286	2.2	25
16	Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 7256-7259	3.6	21
15	A preliminary study of the coupling of desorption electrospray ionization-mass spectrometry with pressurized planar electrochromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2008</b> , 21, 11-14	0.9	20
14	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> , <b>2010</b> , 82, 8866-74	7.8	19
13	Tissue Imaging at Atmospheric Pressure Using Desorption Electrospray Ionization (DESI) Mass Spectrometry. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 7346-7350	3.6	19
12	Analysis of dried blood spots using DESI mass spectrometry. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1198, 291-7	1.4	10
11	Rapid screening and identification of novel psychoactive substances using PaperSpray interfaced to high resolution mass spectrometry. <i>Clinical Mass Spectrometry</i> , <b>2016</b> , 1, 3-10	1.9	10
10	Metabolic Imaging through Continuous In Situ Micro-extractions of Tissue Samples via Flowprobe Mass Spectrometry. <i>Current Metabolomics</i> , <b>2014</b> , 2, 122-131	1	9
9	Desorption Electrospray Ionization (DESI) Analysis of Intact Proteins/Oligopeptides. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot4992	1.2	6
8	Ion Soft Landing: Instrumentation, Phenomena, and Applications <b>2006</b> , 433-474		6

7	Limited Azithromycin Localization to Rabbit Meibomian Glands Revealed by LC-MS-Based Bioanalysis and DESI Imaging. <i>Biological and Pharmaceutical Bulletin</i> , <b>2017</b> , 40, 1586-1589	2.3	4
6	Desorption Electrospray Ionization: Proteomics Studies by a Method That Bridges ESI and MALDI. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.top37	1.2	4
5	Direct Characterization of Enzyme-Substrate Complexes by Using Electrosonic Spray Ionization Mass Spectrometry. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 935-938	3.6	3
4	New Mass Spec Method for Blood and Urine Screening. <i>Genetic Engineering and Biotechnology News</i> , <b>2014</b> , 34, 20-21	0.6	2
3	Cover Picture: Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization (Angew. Chem. Int. Ed. 43/2005). <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6967-6967	16.4	
2	Titelbild: Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization (Angew. Chem. 43/2005). <i>Angewandte Chemie</i> , <b>2005</b> , 117, 7127-7127	3.6	
1	Paper spray mass spectrometry for drug analysis: an alternative to LC-MS/MS in forensic, clinical and drug discovery laboratories for dried blood spot samples <b>2015</b> , 36-52		