Iain D G Campuzano

List of Publications by Year
in descending order

41	3,787	218677	289244
papers	citations	26 h-index	40 g-index

41	41	41	3243
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for Macromolecular Protein Rings in the Absence of Bulk Water. Science, 2005, 310, 1658-1661.	12.6	551
2	Structural Characterization of Drug-like Compounds by Ion Mobility Mass Spectrometry: Comparison of Theoretical and Experimentally Derived Nitrogen Collision Cross Sections. Analytical Chemistry, 2012, 84, 1026-1033.	6.5	340
3	Enhancements in travelling wave ion mobility resolution. Rapid Communications in Mass Spectrometry, 2011, 25, 1559-1566.	1.5	334
4	Recommendations for reporting ion mobility Mass Spectrometry measurements. Mass Spectrometry Reviews, 2019, 38, 291-320.	5.4	315
5	Deciphering Drift Time Measurements from Travelling Wave Ion Mobility Spectrometry-Mass Spectrometry Studies. European Journal of Mass Spectrometry, 2009, 15, 113-130.	1.0	312
6	Ion Mobility Mass Spectrometry of Peptide Ions: Effects of Drift Gas and Calibration Strategies. Analytical Chemistry, 2012, 84, 7124-7130.	6.5	281
7	Best practices and benchmarks for intact protein analysis for top-down mass spectrometry. Nature Methods, 2019, 16, 587-594.	19.0	241
8	An integrated native mass spectrometry and top-down proteomics method that connects sequence to structure and function of macromolecular complexes. Nature Chemistry, 2018, 10, 139-148.	13.6	170
9	Travelingâ€wave ion mobility mass spectrometry of protein complexes: accurate calibrated collision crossâ€sections of human insulin oligomers. Rapid Communications in Mass Spectrometry, 2012, 26, 1181-1193.	1.5	138
10	Baseline resolution of isomers by traveling wave ion mobility mass spectrometry: investigating the effects of polarizable drift gases and ionic charge distribution. Journal of Mass Spectrometry, 2013, 48, 989-997.	1.6	77
11	Use of ion mobility mass spectrometry and a collision crossâ€section algorithm to study an organometallic ruthenium anticancer complex and its adducts with a DNA oligonucleotide. Rapid Communications in Mass Spectrometry, 2009, 23, 3563-3569.	1.5	75
12	A method for direct measurement of ion mobilities using a travelling wave ion guide. International Journal of Mass Spectrometry, 2010, 298, 10-16.	1.5	74
13	Isomer separation and gas-phase configurations of organoruthenium anticancer complexes: Ion mobility mass spectrometry and modeling. Journal of the American Society for Mass Spectrometry, 2009, 20, 1119-1122.	2.8	73
14	Sites of metabolic substitution: investigating metabolite structures utilising ion mobility and molecular modelling. Rapid Communications in Mass Spectrometry, 2010, 24, 3157-3162.	1.5	70
15	Discovery of N-(1-Acryloylazetidin-3-yl)-2-(1H-indol-1-yl)acetamides as Covalent Inhibitors of KRAS^{G12C}. ACS Medicinal Chemistry Letters, 2019, 10, 1302-1308.	2.8	66
16	Shape changes induced by N-terminal platination of ubiquitin by cisplatin. Journal of the American Society for Mass Spectrometry, 2010, 21, 1097-1106.	2.8	50
17	Product ion mobility as a promising tool for assignment of positional isomers of drug metabolites. Rapid Communications in Mass Spectrometry, 2011, 25, 3497-3503.	1.5	50
18	Effects of Drift Gas on Collision Cross Sections of a Protein Standard in Linear Drift Tube and Traveling Wave Ion Mobility Mass Spectrometry. Analytical Chemistry, 2012, 84, 8524-8531.	6.5	47

#	Article	IF	Citations
19	Assigning Structures to Gas-Phase Peptide Cations and Cation-Radicals. An Infrared Multiphoton Dissociation, Ion Mobility, Electron Transfer, and Computational Study of a Histidine Peptide Ion. Journal of Physical Chemistry B, 2012, 116, 3445-3456.	2.6	47
20	Native MS Analysis of Bacteriorhodopsin and an Empty Nanodisc by Orthogonal Acceleration Time-of-Flight, Orbitrap and Ion Cyclotron Resonance. Analytical Chemistry, 2016, 88, 12427-12436.	6.5	44
21	High-Throughput Mass Spectrometric Analysis of Covalent Protein-Inhibitor Adducts for the Discovery of Irreversible Inhibitors: A Complete Workflow. Journal of Biomolecular Screening, 2016, 21, 136-144.	2.6	42
22	Submicrometer Emitter ESI Tips for Native Mass Spectrometry of Membrane Proteins in Ionic and Nonionic Detergents. Journal of the American Society for Mass Spectrometry, 2018, 29, 203-206.	2.8	41
23	Native-MS Analysis of Monoclonal Antibody Conjugates by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Chemistry, 2018, 90, 745-751.	6.5	36
24	Structural Resolution of 4-Substituted Proline Diastereomers with Ion Mobility Spectrometry via Alkali Metal Ion Cationization. Analytical Chemistry, 2015, 87, 3300-3307.	6.5	35
25	Native and Denaturing MS Protein Deconvolution for Biopharma: Monoclonal Antibodies and Antibodyâ€“Drug Conjugates to Polydisperse Membrane Proteins and Beyond. Analytical Chemistry, 2019, 91, 9472-9480.	6.5	32
26	Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry as a Platform for Characterizing Multimeric Membrane Protein Complexes. Journal of the American Society for Mass Spectrometry, 2018, 29, 183-193.	2.8	29
27	Denaturing and Native Mass Spectrometric Analytics for Biotherapeutic Drug Discovery Research: Historical, Current, and Future Personal Perspectives. Journal of the American Society for Mass Spectrometry, 2021, 32, 1861-1885.	2.8	27
28	Quantitative collisionâ€induced unfolding differentiates model antibodyâ€“drug conjugates. Protein Science, 2019, 28, 598-608.	7.6	26
29	Extracting Charge and Mass Information from Highly Congested Mass Spectra Using Fourier-Domain Harmonics. Journal of the American Society for Mass Spectrometry, 2018, 29, 2067-2080.	2.8	23
30	Coupling electrospray corona discharge, charge reduction and ion mobility mass spectrometry: From peptides to large macromolecular protein complexes. International Journal for Ion Mobility Spectrometry, 2013, 16, 51-60.	1.4	19
31	Ion Mobility and Mass Spectrometry Measurements of the Humanized IgGk NIST Monoclonal Antibody. ACS Symposium Series, 2015, , 75-112.	0.5	19
32	Nanospray Ion Mobility Mass Spectrometry of Selected High Mass Species. Methods in Molecular Biology, 2011, 790, 57-70.	0.9	19
33	High Mass Analysis with a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer: From Inorganic Salt Clusters to Antibody Conjugates and Beyond. Journal of the American Society for Mass Spectrometry, 2020, 31, 1155-1162.	2.8	16
34	Intrinsic Mobility of Gaseous Cationic and Anionic Aggregates of Ionic Liquids. ChemPhysChem, 2011, 12, 1444-1447.	2.1	14
35	Quantification of siRNA-Antibody Conjugates in Biological Matrices by Triplex-Forming Oligonucleotide ELISA. Nucleic Acid Therapeutics, 2019, 29, 161-166.	3.6	13
36	Rapid LCâ€“MS Method for Accurate Molecular Weight Determination of Membrane and Hydrophobic Proteins. Analytical Chemistry, 2018, 90, 13616-13623.	6.5	12

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37	High-Resolution Demultiplexing (HRdm) Ion Mobility Spectrometryâ€“Mass Spectrometry for Aspartic and Isoaspartic Acid Determination and Screening. Analytical Chemistry, 2022, 94, 6191-6199.	6.5	12
38	Purification of guanine-quadruplex using monolithic stationary phase under ion-exchange conditions. Journal of Chromatography A, 2020, 1634, 461633.	3.7	10
39	Unequivocal Identification of Aspartic Acid and isoAspartic Acid by MALDI-TOF/TOF: From Peptide Standards to a Therapeutic Antibody. Journal of the American Society for Mass Spectrometry, 2021, 32, 1901-1909.	2.8	6
40	Editorial and Review: 30th ASMS Sanibel Conference on Mass Spectrometryâ€”Computational Modelling in Mass Spectrometry and Ion Mobility: Methods for Ion Structure and Reactivity Determination. Journal of the American Society for Mass Spectrometry, 2018, 29, 2283-2286.	2.8	1
41	Editorial: Special JASMS Focus on Mass Spectrometry in Industry. Journal of the American Society for Mass Spectrometry, 2021, 32, 1850-1851.	2.8	0