

# Iain D G Campuzano

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

3,787  
citations

218677

26  
h-index

289244

40  
g-index

41  
all docs

41  
docs citations

41  
times ranked

3243  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Resolution Demultiplexing (HRdm) Ion Mobility Spectrometryâ€“Mass Spectrometry for Aspartic and Isoaspartic Acid Determination and Screening. <i>Analytical Chemistry</i> , 2022, 94, 6191-6199.	6.5	12
2	Denaturing and Native Mass Spectrometric Analytics for Biotherapeutic Drug Discovery Research: Historical, Current, and Future Personal Perspectives. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1861-1885.	2.8	27
3	Editorial: Special JASMS Focus on Mass Spectrometry in Industry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1850-1851.	2.8	0
4	Unequivocal Identification of Aspartic Acid and <i>iso</i> Aspartic Acid by MALDI-TOF/TOF: From Peptide Standards to a Therapeutic Antibody. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1901-1909.	2.8	6
5	Purification of guanine-quadruplex using monolithic stationary phase under ion-exchange conditions. <i>Journal of Chromatography A</i> , 2020, 1634, 461633.	3.7	10
6	High Mass Analysis with a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer: From Inorganic Salt Clusters to Antibody Conjugates and Beyond. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1155-1162.	2.8	16
7	Discovery of <i>N</i> -(1-Acryloylazetid-3-yl)-2-(1 <i>H</i> -indol-1-yl)acetamides as Covalent Inhibitors of KRAS <sup>G12C</sup> . <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1302-1308.	2.8	66
8	Recommendations for reporting ion mobility Mass Spectrometry measurements. <i>Mass Spectrometry Reviews</i> , 2019, 38, 291-320.	5.4	315
9	Best practices and benchmarks for intact protein analysis for top-down mass spectrometry. <i>Nature Methods</i> , 2019, 16, 587-594.	19.0	241
10	Native and Denaturing MS Protein Deconvolution for Biopharma: Monoclonal Antibodies and Antibodyâ€“Drug Conjugates to Polydisperse Membrane Proteins and Beyond. <i>Analytical Chemistry</i> , 2019, 91, 9472-9480.	6.5	32
11	Quantification of siRNA-Antibody Conjugates in Biological Matrices by Triplex-Forming Oligonucleotide ELISA. <i>Nucleic Acid Therapeutics</i> , 2019, 29, 161-166.	3.6	13
12	Quantitative collisionâ€“induced unfolding differentiates model antibodyâ€“drug conjugates. <i>Protein Science</i> , 2019, 28, 598-608.	7.6	26
13	Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry as a Platform for Characterizing Multimeric Membrane Protein Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 183-193.	2.8	29
14	An integrated native mass spectrometry and top-down proteomics method that connects sequence to structure and function of macromolecular complexes. <i>Nature Chemistry</i> , 2018, 10, 139-148.	13.6	170
15	Submicrometer Emitter ESI Tips for Native Mass Spectrometry of Membrane Proteins in Ionic and Nonionic Detergents. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 203-206.	2.8	41
16	Native-MS Analysis of Monoclonal Antibody Conjugates by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 745-751.	6.5	36
17	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. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2283-2286.	2.8	1
18	Rapid LCâ€“MS Method for Accurate Molecular Weight Determination of Membrane and Hydrophobic Proteins. <i>Analytical Chemistry</i> , 2018, 90, 13616-13623.	6.5	12

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19	Extracting Charge and Mass Information from Highly Congested Mass Spectra Using Fourier-Domain Harmonics. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2067-2080.	2.8	23
20	High-Throughput Mass Spectrometric Analysis of Covalent Protein-Inhibitor Adducts for the Discovery of Irreversible Inhibitors: A Complete Workflow. <i>Journal of Biomolecular Screening</i> , 2016, 21, 136-144.	2.6	42
21	Native MS Analysis of Bacteriorhodopsin and an Empty Nanodisc by Orthogonal Acceleration Time-of-Flight, Orbitrap and Ion Cyclotron Resonance. <i>Analytical Chemistry</i> , 2016, 88, 12427-12436.	6.5	44
22	Ion Mobility and Mass Spectrometry Measurements of the Humanized IgGκ NIST Monoclonal Antibody. <i>ACS Symposium Series</i> , 2015, , 75-112.	0.5	19
23	Structural Resolution of 4-Substituted Proline Diastereomers with Ion Mobility Spectrometry via Alkali Metal Ion Cationization. <i>Analytical Chemistry</i> , 2015, 87, 3300-3307.	6.5	35
24	Coupling electrospray corona discharge, charge reduction and ion mobility mass spectrometry: From peptides to large macromolecular protein complexes. <i>International Journal for Ion Mobility Spectrometry</i> , 2013, 16, 51-60.	1.4	19
25	Baseline resolution of isomers by traveling wave ion mobility mass spectrometry: investigating the effects of polarizable drift gases and ionic charge distribution. <i>Journal of Mass Spectrometry</i> , 2013, 48, 989-997.	1.6	77
26	Ion Mobility Mass Spectrometry of Peptide Ions: Effects of Drift Gas and Calibration Strategies. <i>Analytical Chemistry</i> , 2012, 84, 7124-7130.	6.5	281
27	Structural Characterization of Drug-like Compounds by Ion Mobility Mass Spectrometry: Comparison of Theoretical and Experimentally Derived Nitrogen Collision Cross Sections. <i>Analytical Chemistry</i> , 2012, 84, 1026-1033.	6.5	340
28	Effects of Drift Gas on Collision Cross Sections of a Protein Standard in Linear Drift Tube and Traveling Wave Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 8524-8531.	6.5	47
29	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. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3445-3456.	2.6	47
30	Traveling wave ion mobility mass spectrometry of protein complexes: accurate calibrated collision cross sections of human insulin oligomers. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1181-1193.	1.5	138
31	Enhancements in travelling wave ion mobility resolution. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1559-1566.	1.5	334
32	Product ion mobility as a promising tool for assignment of positional isomers of drug metabolites. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3497-3503.	1.5	50
33	Intrinsic Mobility of Gaseous Cationic and Anionic Aggregates of Ionic Liquids. <i>ChemPhysChem</i> , 2011, 12, 1444-1447.	2.1	14
34	Nanospray Ion Mobility Mass Spectrometry of Selected High Mass Species. <i>Methods in Molecular Biology</i> , 2011, 790, 57-70.	0.9	19
35	Shape changes induced by N-terminal platination of ubiquitin by cisplatin. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1097-1106.	2.8	50
36	A method for direct measurement of ion mobilities using a travelling wave ion guide. <i>International Journal of Mass Spectrometry</i> , 2010, 298, 10-16.	1.5	74

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37	Sites of metabolic substitution: investigating metabolite structures utilising ion mobility and molecular modelling. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3157-3162.	1.5	70
38	Use of ion mobility mass spectrometry and a collision cross-section algorithm to study an organometallic ruthenium anticancer complex and its adducts with a DNA oligonucleotide. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3563-3569.	1.5	75
39	Isomer separation and gas-phase configurations of organoruthenium anticancer complexes: Ion mobility mass spectrometry and modeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1119-1122.	2.8	73
40	Deciphering Drift Time Measurements from Travelling Wave Ion Mobility Spectrometry-Mass Spectrometry Studies. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 113-130.	1.0	312
41	Evidence for Macromolecular Protein Rings in the Absence of Bulk Water. <i>Science</i> , 2005, 310, 1658-1661.	12.6	551