

Charlotte A Scarff

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,126
citations

516710

16
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	Travelling wave ion mobility mass spectrometry studies of protein structure: biological significance and comparison with X-ray crystallography and nuclear magnetic resonance spectroscopy measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3297-3304.	1.5	164
2	Approaches to altering particle distributions in cryo-electron microscopy sample preparation. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 560-571.	2.3	108
3	Using a SMALP platform to determine a sub-nm single particle cryo-EM membrane protein structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 378-383.	2.6	88
4	Estimating Collision Cross Sections of Negatively Charged N-Glycans using Traveling Wave Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 10789-10795.	6.5	86
5	A cryo-EM grid preparation device for time-resolved structural studies. <i>IUCr</i> , 2019, 6, 1024-1031.	2.2	77
6	Probing hemoglobin structure by means of traveling-wave ion mobility mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 625-631.	2.8	67
7	Ion Mobility Mass Spectrometry for Extracting Spectra of N-Glycans Directly from Incubation Mixtures Following Glycan Release: Application to Glycans from Engineered Glycoforms of Intact, Folded HIV gp120. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 568-581.	2.8	65
8	Variations on Negative Stain Electron Microscopy Methods: Tools for Tackling Challenging Systems. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	62
9	MALDI-MS/MS with Traveling Wave Ion Mobility for the Structural Analysis of N-Linked Glycans. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1955-1966.	2.8	52
10	New Structural Insights into Mechanically Interlocked Polymers Revealed by Ion Mobility Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2012, 134, 9193-9198.	13.7	52
11	Structure of the shutdown state of myosin-2. <i>Nature</i> , 2020, 588, 515-520.	27.8	50
12	Travelling wave ion mobility and negative ion fragmentation for the structural determination of N-linked glycans. <i>Electrophoresis</i> , 2013, 34, 2368-2378.	2.4	49
13	Travelling wave ion mobility and negative ion fragmentation of high-mannose N-glycans. <i>Journal of Mass Spectrometry</i> , 2016, 51, 219-235.	1.6	34
14	Examination of Ataxin-3 (atx-3) Aggregation by Structural Mass Spectrometry Techniques: A Rationale for Expedited Aggregation upon Polyglutamine (polyQ) Expansion*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1241-1253.	3.8	33
15	Travelling wave ion mobility mass spectrometry and negative ion fragmentation of hybrid and complex N-glycans. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1064-1079.	1.6	28
16	Insights into the role of the beta-2 microglobulin D-strand in amyloid propensity revealed by mass spectrometry. <i>Molecular BioSystems</i> , 2014, 10, 412-420.	2.9	22
17	Characterization of Complex Polysorbate Formulations by Means of Shape-Selective Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 6521-6529.	6.5	16
18	A tale of a tail: Structural insights into the conformational properties of the polyglutamine protein ataxin-3. <i>International Journal of Mass Spectrometry</i> , 2013, 345-347, 63-70.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Structure of the protective nematode protease complex H-gal-GP and its conservation across roundworm parasites. <i>PLoS Pathogens</i> , 2020, 16, e1008465.	4.7	15
20	Fibrillation of transferrin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 427-436.	2.4	14
21	Resolution of a paradox by native mass spectrometry: facile occupation of all four metal binding sites in the dimeric zinc sensor SmtB. <i>Chemical Communications</i> , 2013, 49, 813-815.	4.1	10
22	Characterization of Amyloid Oligomers by Electrospray Ionization-Ion Mobility Spectrometry-Mass Spectrometry (ESI-IMS-MS). <i>Methods in Molecular Biology</i> , 2016, 1345, 115-132.	0.9	10
23	Is the higher risk of cardiovascular disease amongst South Asian populations linked to abnormalities of haemoglobin? A preliminary case control study. <i>Atherosclerosis</i> , 2013, 226, 198-200.	0.8	3
24	Plant-expressed virus-like particles reveal the intricate maturation process of a eukaryotic virus. <i>Communications Biology</i> , 2021, 4, 619.	4.4	2
25	Cryo-electron microscopy analysis of myosin at work and at rest. <i>Current Opinion in Structural Biology</i> , 2022, 75, 102391.	5.7	2