

Weidong Cui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10883635/publications.pdf>

Version: 2024-02-01

31
papers

1,557
citations

304743

22
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	Native Electrospray and Electron-Capture Dissociation FTICR Mass Spectrometry for Top-Down Studies of Protein Assemblies. <i>Analytical Chemistry</i> , 2011, 83, 5598-5606.	6.5	141
2	Mass spectrometry for the biophysical characterization of therapeutic monoclonal antibodies. <i>FEBS Letters</i> , 2014, 588, 308-317.	2.8	123
3	Top-down mass spectrometry: Recent developments, applications and perspectives. <i>Analyst, The</i> , 2011, 136, 3854.	3.5	117
4	Pathways of Peptide Ion Fragmentation Induced by Vacuum Ultraviolet Light. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1384-1398.	2.8	111
5	Native electrospray and electron-capture dissociation in FTICR mass spectrometry provide top-down sequencing of a protein component in an intact protein assembly. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1966-1968.	2.8	103
6	Native Mass Spectrometry Characterization of Intact Nanodisc Lipoprotein Complexes. <i>Analytical Chemistry</i> , 2012, 84, 8957-8960.	6.5	95
7	Fragmentation of Singly Charged Peptide Ions by Photodissociation at $\lambda = 157$ nm. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4791-4.	13.8	89
8	Laser-Initiated Radical Trifluoromethylation of Peptides and Proteins: Application to Mass Spectrometry-Based Protein Footprinting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14007-14010.	13.8	74
9	Electrochemistry-Assisted Top-Down Characterization of Disulfide-Containing Proteins. <i>Analytical Chemistry</i> , 2012, 84, 3838-3842.	6.5	68
10	Warfarin traps human vitamin K epoxide reductase in an intermediate state during electron transfer. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 69-76.	8.2	59
11	Complementary MS Methods Assist Conformational Characterization of Antibodies with Altered S-S Bonding Networks. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 835-845.	2.8	58
12	Factors that impact the vacuum ultraviolet photofragmentation of peptide ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1439-1452.	2.8	57
13	Native electrospray ionization and electron-capture dissociation for comparison of protein structure in solution and the gas phase. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 288-291.	1.5	51
14	Native mass spectrometry of photosynthetic pigment-protein complexes. <i>FEBS Letters</i> , 2013, 587, 1012-1020.	2.8	50
15	Interpretation and Deconvolution of Nanodisc Native Mass Spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 269-277.	2.8	48
16	New Protein Footprinting: Fast Photochemical Iodination Combined with Top-Down and Bottom-Up Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1306-1318.	2.8	43
17	Structures of b^{\pm} -type ions formed in the 157 nm photodissociation of singly-charged peptide ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1315-1321.	2.8	38
18	Incorporation of a Reporter Peptide in FPOP Compensates for Adventitious Scavengers and Permits Time-Dependent Measurements. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 389-392.	2.8	33

#	ARTICLE	IF	CITATIONS
19	Human Metabolome-derived Cofactors Are Required for the Antibacterial Activity of Siderocalin in Urine. <i>Journal of Biological Chemistry</i> , 2016, 291, 25901-25910.	3.4	31
20	Electron-capture dissociation and ion mobility mass spectrometry for characterization of the hemoglobin protein assembly. <i>Protein Science</i> , 2015, 24, 1325-1332.	7.6	26
21	Native Mass Spectrometry, Ion Mobility, Electron-Capture Dissociation, and Modeling Provide Structural Information for Gas-Phase Apolipoprotein E Oligomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 876-885.	2.8	25
22	Native MS and ECD Characterization of a Fab-Antigen Complex May Facilitate Crystallization for X-ray Diffraction. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1139-1142.	2.8	22
23	Hybrid Methods Reveal Multiple Flexibly Linked DNA Polymerases within the Bacteriophage T7 Replisome. <i>Structure</i> , 2017, 25, 157-166.	3.3	17
24	Membrane Protein Structure in Live Cells: Methodology for Studying Drug Interaction by Mass Spectrometry-Based Footprinting. <i>Biochemistry</i> , 2018, 57, 286-294.	2.5	14
25	Highly efficient ionization of phosphopeptides at low pH by desorption electrospray ionization mass spectrometry. <i>Analyst</i> , 2013, 138, 1321.	3.5	11
26	Top-Down Mass Spectrometry Analysis of Membrane-Bound Light-Harvesting Complex 2 from <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 2015, 54, 7261-7271.	2.5	10
27	Reconstitution of RNA Polymerase I Upstream Activating Factor and the Roles of Histones H3 and H4 in Complex Assembly. <i>Journal of Molecular Biology</i> , 2018, 430, 641-654.	4.2	10
28	De-novo amino acid sequence elucidation of protein G _{2e} by combined Top-Down and Bottom-Up mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 482-492.	2.8	9
29	Laser-Initiated Radical Trifluoromethylation of Peptides and Proteins: Application to Mass Spectrometry-Based Protein Footprinting. <i>Angewandte Chemie</i> , 2017, 129, 14195-14198.	2.0	9
30	Footprinting Mass Spectrometry of Membrane Proteins: Ferroportin Reconstituted in Saposin A Picodiscs. <i>Analytical Chemistry</i> , 2021, 93, 11370-11378.	6.5	8
31	The catalytic mechanism of vitamin K epoxide reduction in a cellular environment. <i>Journal of Biological Chemistry</i> , 2021, 296, 100145.	3.4	7