Weidong Cui

List of Publications by Year
in descending order

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31	1,557	304743	434195
papers	citations	22 h-index	31 g-index

32	32	32	1573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Footprinting Mass Spectrometry of Membrane Proteins: Ferroportin Reconstituted in Saposin A Picodiscs. Analytical Chemistry, 2021, 93, 11370-11378.	6.5	8
2	The catalytic mechanism of vitamin K epoxide reduction in a cellular environment. Journal of Biological Chemistry, 2021, 296, 100145.	3.4	7
3	Native Mass Spectrometry, Ion Mobility, Electron-Capture Dissociation, and Modeling Provide Structural Information for Gas-Phase Apolipoprotein E Oligomers. Journal of the American Society for Mass Spectrometry, 2019, 30, 876-885.	2.8	25
4	Reconstitution of RNA Polymerase I Upstream Activating Factor and the Roles of Histones H3 and H4 in Complex Assembly. Journal of Molecular Biology, 2018, 430, 641-654.	4.2	10
5	Membrane Protein Structure in Live Cells: Methodology for Studying Drug Interaction by Mass Spectrometry-Based Footprinting. Biochemistry, 2018, 57, 286-294.	2.5	14
6	Incorporation of a Reporter Peptide in FPOP Compensates for Adventitious Scavengers and Permits Time-Dependent Measurements. Journal of the American Society for Mass Spectrometry, 2017, 28, 389-392.	2.8	33
7	Warfarin traps human vitamin K epoxide reductase in an intermediate state during electron transfer. Nature Structural and Molecular Biology, 2017, 24, 69-76.	8.2	59
8	Hybrid Methods Reveal Multiple Flexibly Linked DNA Polymerases within the Bacteriophage T7 Replisome. Structure, 2017, 25, 157-166.	3.3	17
9	Laserâ€Initiated Radical Trifluoromethylation of Peptides and Proteins: Application to Massâ€Spectrometryâ€Based Protein Footprinting. Angewandte Chemie, 2017, 129, 14195-14198.	2.0	9
10	Laserâ€Initiated Radical Trifluoromethylation of Peptides and Proteins: Application to Massâ€Spectrometryâ€Based Protein Footprinting. Angewandte Chemie - International Edition, 2017, 56, 14007-14010.	13.8	74
11	Human Metabolome-derived Cofactors Are Required for the Antibacterial Activity of Siderocalin in Urine. Journal of Biological Chemistry, 2016, 291, 25901-25910.	3.4	31
12	Native MS and ECD Characterization of a Fabâ€“Antigen Complex May Facilitate Crystallization for X-ray Diffraction. Journal of the American Society for Mass Spectrometry, 2016, 27, 1139-1142.	2.8	22
13	Electronâ€capture dissociation and ion mobility mass spectrometry for characterization of the hemoglobin protein assembly. Protein Science, 2015, 24, 1325-1332.	7.6	26
14	Top-Down Mass Spectrometry Analysis of Membrane-Bound Light-Harvesting Complex 2 from Rhodobacter sphaeroides. Biochemistry, 2015, 54, 7261-7271.	2.5	10
15	â€œDe-novoâ€•amino acid sequence elucidation of protein Gâ€²e by combined â€œTop-Downâ€•and â€œBottom-Upâ€• mass spectrometry. Journal of the American Society for Mass Spectrometry, 2015, 26, 482-492.	2.8	9
16	Mass spectrometry for the biophysical characterization of therapeutic monoclonal antibodies. FEBS Letters, 2014, 588, 308-317.	2.8	123
17	Interpretation and Deconvolution of Nanodisc Native Mass Spectra. Journal of the American Society for Mass Spectrometry, 2014, 25, 269-277.	2.8	48
18	Complementary MS Methods Assist Conformational Characterization of Antibodies with Altered Sâ€“S Bonding Networks. Journal of the American Society for Mass Spectrometry, 2013, 24, 835-845.	2.8	58

#	Article	IF	Citations
19	Highly efficient ionization of phosphopeptides at low pH by desorption electrospray ionization mass spectrometry. Analyst, The, 2013, 138, 1321.	3.5	11
20	Native electrospray ionization and electron-capture dissociation for comparison of protein structure in solution and the gas phase. International Journal of Mass Spectrometry, 2013, 354-355, 288-291.	1.5	51
21	Native mass spectrometry of photosynthetic pigmentâ€“protein complexes. FEBS Letters, 2013, 587, 1012-1020.	2.8	50
22	Native Mass Spectrometry Characterization of Intact Nanodisc Lipoprotein Complexes. Analytical Chemistry, 2012, 84, 8957-8960.	6.5	95
23	Electrochemistry-Assisted Top-Down Characterization of Disulfide-Containing Proteins. Analytical Chemistry, 2012, 84, 3838-3842.	6.5	68
24	New Protein Footprinting: Fast Photochemical Iodination Combined with Top-Down and Bottom-Up Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2012, 23, 1306-1318.	2.8	43
25	Native Electrospray and Electron-Capture Dissociation FTICR Mass Spectrometry for Top-Down Studies of Protein Assemblies. Analytical Chemistry, 2011, 83, 5598-5606.	6.5	141
26	Top-down mass spectrometry: Recent developments, applications and perspectives. Analyst, The, 2011, 136, 3854.	3.5	117
27	Native electrospray and electron-capture dissociation in FTICR mass spectrometry provide top-down sequencing of a protein component in an intact protein assembly. Journal of the American Society for Mass Spectrometry, 2010, 21, 1966-1968.	2.8	103
28	Factors that impact the vacuum ultraviolet photofragmentation of peptide ions. Journal of the American Society for Mass Spectrometry, 2007, 18, 1439-1452.	2.8	57
29	Structures of Î±-type ions formed in the 157 nm photodissociation of singly-charged peptide ions. Journal of the American Society for Mass Spectrometry, 2006, 17, 1315-1321.	2.8	38
30	Pathways of Peptide Ion Fragmentation Induced by Vacuum Ultraviolet Light. Journal of the American Society for Mass Spectrometry, 2005, 16, 1384-1398.	2.8	111
31	Fragmentation of Singly Charged Peptide Ions by Photodissociation atÎ»=157 nm. Angewandte Chemie - International Edition, 2004, 43, 4791-4.	13.8	89