Katalin F Medzihradszky

List of Publications by Year
in descending order

62	3,891	117625	133252
papers	citations	34 h-index	59 g-index

66	66	66	4674
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. Nature Methods, 2021, 18, 1304-1316.	19.0	74
2	The effectiveness of filtering glycopeptide peak list files for Y ions. Molecular Omics, 2020, 16, 147-155.	2.8	14
3	Extended Sialylated O-Glycan Repertoire of Human Urinary Glycoproteins Discovered and Characterized Using Electron-Transfer/Higher-Energy Collision Dissociation. Journal of Proteome Research, 2019, 18, 280-291.	3.7	23
4	A Cell-Penetrating Scorpion Toxin Enables Mode-Specific Modulation of TRPA1 and Pain. Cell, 2019, 178, 1362-1374.e16.	28.9	72
5	Characterization of Site-Specific N-Glycosylation. Methods in Molecular Biology, 2019, 1934, 93-125.	0.9	9
6	Analysis of Mammalian O-Glycopeptidesâ€"We Have Made a Good Start, but There is a Long Way to Go. Molecular and Cellular Proteomics, 2018, 17, 2-17.	3.8	73
7	Status Report on the High-Throughput Characterization of Complex Intact O-Glycopeptide Mixtures. Journal of the American Society for Mass Spectrometry, 2018, 29, 1210-1220.	2.8	37
8	Translatome Regulation in Neuronal Injury and Axon Regrowth. ENeuro, 2018, 5, ENEURO.0276-17.2018.	1.9	26
9	Lys49 myotoxin from the Brazilian lancehead pit viper elicits pain through regulated ATP release. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2524-E2532.	7.1	37
10	Extracellular Protein Phosphorylation, the Neglected Side of the Modification. Molecular and Cellular Proteomics, 2017, 16, 1-7.	3.8	29
11	Using â€œspectral familiesâ€•to assess the reproducibility of glycopeptide enrichment: human serum O-glycosylation revisited. Analytical and Bioanalytical Chemistry, 2017, 409, 539-550.	3.7	9
12	Immobilized metal affinity chromatography optimized for the analysis of extracellular phosphorylation. Proteomics, 2016, 16, 1858-1862.	2.2	10
13	N-Glycopeptide Profiling in Arabidopsis Inflorescence. Molecular and Cellular Proteomics, 2016, 15, 2048-2054.	3.8	41
14	Nucleolin-Mediated RNA Localization Regulates Neuron Growth and Cycling Cell Size. Cell Reports, 2016, 16, 1664-1676.	6.4	64
15	Cysteine S-linked N-acetylglucosamine (S-GlcNAcylation), A New Post-translational Modification in Mammals. Molecular and Cellular Proteomics, 2016, 15, 3405-3411.	3.8	60
16	Photoactivatable protein labeling by singlet oxygen mediated reactions. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3359-3363.	2.2	31
17	Isolation and analyses of axonal ribonucleoprotein complexes. Methods in Cell Biology, 2016, 131, 467-486.	1.1	9
18	O-glycosylation sites identified from mucin core-1 type glycopeptides from human serum. Glycoconjugate Journal, 2016, 33, 435-445.	2.7	36

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19	Identification of noduleâ€specific cysteineâ€rich plant peptides in endosymbiotic bacteria. Proteomics, 2015, 15, 2291-2295.	2.2	37
20	Characterizing Sialic Acid Variants at the Glycopeptide Level. Analytical Chemistry, 2015, 87, 3064-3071.	6.5	57
21	Tissue-Specific Glycosylation at the Glycopeptide Level. Molecular and Cellular Proteomics, 2015, 14, 2103-2110.	3.8	97
22	Carbamidomethylation Side Reactions May Lead to Glycan Misassignments in Glycopeptide Analysis. Analytical Chemistry, 2015, 87, 6297-6302.	6.5	26
23	Structureâ€"function analysis of peroxidasin provides insight into the mechanism of collagen IV crosslinking. Free Radical Biology and Medicine, 2015, 83, 273-282.	2.9	39
24	Lessons inde novopeptide sequencing by tandem mass spectrometry. Mass Spectrometry Reviews, 2015, 34, 43-63.	5.4	167
25	Glycan Side Reaction May Compromise ETD-Based Glycopeptide Identification. Journal of the American Society for Mass Spectrometry, 2014, 25, 977-987.	2.8	16
26	Noncovalent Dimer Formation in Liquid Chromatographyâ€"Mass Spectrometry Analysis. Analytical Chemistry, 2014, 86, 8906-8909.	6.5	7
27	N- and O-Glycosylation in the Murine Synaptosome. Molecular and Cellular Proteomics, 2013, 12, 3474-3488.	3.8	151
28	Partial De Novo Sequencing and Unusual CID Fragmentation of a 7ÂkDa, Disulfide-Bridged Toxin. Journal of the American Society for Mass Spectrometry, 2012, 23, 923-934.	2.8	16
29	Unusual Fragmentation of Pro-Ser/Thr-Containing Peptides Detected in Collision-Induced Dissociation Spectra. Journal of the American Society for Mass Spectrometry, 2012, 23, 602-607.	2.8	8
30	A heteromeric Texas coral snake toxin targets acid-sensing ion channels to produce pain. Nature, 2011, 479, 410-414.	27.8	295
31	Improved identification of O-linked glycopeptides from ETD data with optimized scoring for different charge states and cleavage specificities. Amino Acids, 2011, 41, 321-328.	2.7	31
32	Mass Spectrometric Analysis, Automated Identification and Complete Annotation of O-Linked Glycopeptides. European Journal of Mass Spectrometry, 2010, 16, 421-428.	1.0	41
33	Improving Software Performance for Peptide Electron Transfer Dissociation Data Analysis by Implementation of Charge State- and Sequence-Dependent Scoring. Molecular and Cellular Proteomics, 2010, 9, 1795-1803.	3.8	53
34	Affinity Enrichment and Characterization of Mucin Core-1 Type Glycopeptides from Bovine Serum. Molecular and Cellular Proteomics, 2009, 8, 2515-2526.	3.8	81
35	Characterization of Site-specific N-Glycosylation. , 2008, 446, 293-316.		32
36	In-depth Analysis of Tandem Mass Spectrometry Data from Disparate Instrument Types. Molecular and Cellular Proteomics, 2008, 7, 2386-2398.	3.8	181

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37	Sulfopeptide fragmentation in electron-capture and electron-transfer dissociation. Journal of the American Society for Mass Spectrometry, 2007, 18, 1617-1624.	2.8	56
38	O-Linked N-Acetylglucosamine Proteomics of Postsynaptic Density Preparations Using Lectin Weak Affinity Chromatography and Mass Spectrometry. Molecular and Cellular Proteomics, 2006, 5, 923-934.	3.8	312
39	Characterization of Protein Nâ€Glycosylation. Methods in Enzymology, 2005, 405, 116-138.	1.0	89
40	Inhibition of cathepsin B reduces Î²-amyloid production in regulated secretory vesicles of neuronal chromaffin cells: evidence for cathepsin B as a candidate Î²-secretase of Alzheimer's disease. Biological Chemistry, 2005, 386, 1325-1325.	2.5	38
41	Inâ€Solution Digestion of Proteins for Mass Spectrometry. Methods in Enzymology, 2005, 405, 50-65.	1.0	45
42	Peptide Sequence Analysis. Methods in Enzymology, 2005, 402, 209-244.	1.0	136
43	Differential Proteomics Reveals Multiple Components in Retrogradely Transported Axoplasm After Nerve Injury. Molecular and Cellular Proteomics, 2004, 3, 510-520.	3.8	54
44	Factors that contribute to the complexity of protein digests. Drug Discovery Today: TARGETS, 2004, 3, 3-10.	0.5	10
45	Glycoforms obtained by expression in Pichia pastoris improve cancer targeting potential of a recombinant antibody-enzyme fusion protein. Glycobiology, 2003, 14, 27-37.	2.5	42
46	Characterization of Site-Specific Glycosylation. , 2002, 194, 101-125.		2
47	Matrix-Assisted Laser Desorption/Ionization Coupled with Quadrupole/Orthogonal Acceleration Time-of-Flight Mass Spectrometry for Protein Discovery, Identification, and Structural Analysis. Analytical Chemistry, 2001, 73, 1707-1720.	6.5	88
48	Phosphorylation of Native and Heme-Modified CYP3A4 by Protein Kinase C:Â A Mass Spectrometric Characterization of the Phosphorylated Peptidesâ€. Biochemistry, 2001, 40, 11318-11326.	2.5	32
49	Mass spectrometry analysis for the determination of side reactions for cyclic peptides prepared from an Fmoc/tBu/Dmab protecting group strategy. International Journal of Peptide Research and Therapeutics, 2001, 8, 1-12.	0.1	2
50	Protein identification by in-gel digestion, high-performance liquid chromatography, and mass spectrometry: Peptide analysis by complementary ionization techniques. Journal of the American Society for Mass Spectrometry, 2001, 12, 215-221.	2.8	43
51	Title is missing!. International Journal of Peptide Research and Therapeutics, 2001, 8, 1-12.	0.1	1
52	The Characteristics of Peptide Collision-Induced Dissociation Using a High-Performance MALDI-TOF/TOF Tandem Mass Spectrometer. Analytical Chemistry, 2000, 72, 552-558.	6.5	503
53	Fragmentation and sequencing of cyclic peptides by matrix-assisted laser desorption/ionization post-source decay mass spectrometry. , 1999, 13, 2174-2179.		24
54	Reverse-phase capillary high performance liquid chromatography/high performance electrospray ionization mass spectrometry: an essential tool for the characterization of complex glycoprotein digests. , 1998, 12, 472-478.		20

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55	Specific Azidophenyldiazene Hemoprotein Active Site Probes. Cross-Linking of the Heme to His-64 in Myoglobin. Journal of the American Chemical Society, 1998, 120, 7404-7410.	13.7	8
56	Structural Characterization of Site-Specific N-Glycosylation of Recombinant Human Factor VIII by Reversed-Phase High-Performance Liquid Chromatographyâ^'Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 1997, 69, 3986-3994.	6.5	85
57	Synthesis and characterization of histidineâ€phosphorylated peptides. Protein Science, 1997, 6, 1405-1411.	7.6	61
58	Peptide sequence determination by matrix-assisted laser desorption ionization employing a tandem double focusing magneticâ€"Orthogonal acceleration time-of-flight mass spectrometer. Journal of the American Society for Mass Spectrometry, 1996, 7, 1-10.	2.8	72
59	The primary structure of fatty-acid-binding protein from nurse shark liver. Structural and evolutionary relationship to the mammalian fatty-acid-binding protein family. FEBS Journal, 1992, 203, 327-339.	0.2	56
60	Artifacts in four-sector tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 1990, 4, 318-322.	1.5	22
61	Characterization ofO-glycosylation sites in recombinant B-chain of platelet-derived growth factor expressed in yeast using liquid secondary ion mass spectrometry, tandem mass spectrometry and edman sequence analysis. Biological Mass Spectrometry, 1990, 19, 665-676.	0.5	41
62	Structure determination ofO-linked glycopeptides by tandem mass spectrometry. Biological Mass Spectrometry, 1990, 19, 777-781.	0.5	49