

Jasna Peter-Katalinic

List of Publications by Year in descending order

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47
papers

2,002
citations

236925

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361022

35
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50
all docs

50
docs citations

50
times ranked

1702
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast atom bombardment mass spectrometry for structural elucidation of glycoconjugates. <i>Mass Spectrometry Reviews</i> , 1987, 6, 331-393.	5.4	245
2	C-Mannosylation and O-Fucosylation of the Thrombospondin Type 1 Module. <i>Journal of Biological Chemistry</i> , 2001, 276, 6485-6498.	3.4	228
3	Methods in Enzymology: O-Glycosylation of Proteins. <i>Methods in Enzymology</i> , 2005, 405, 139-171.	1.0	138
4	Discovery of a Novel Unfolded Protein Response Phenotype of Cancer Stem/Progenitor Cells from the Bone Marrow of Breast Cancer Patients. <i>Journal of Proteome Research</i> , 2010, 9, 3158-3168.	3.7	89
5	On-line sheathless capillary electrophoresis/nanoelectrospray ionization-tandem mass spectrometry for the analysis of glycosaminoglycan oligosaccharides. <i>Electrophoresis</i> , 2004, 25, 2010-2016.	2.4	83
6	Fucose-Containing Oligosaccharides from Human Milk from a Donor of Blood Group O LeaNnonsecretor. <i>Biological Chemistry Hoppe-Seyler</i> , 1988, 369, 257-274.	1.4	77
7	Fully Automated Chip-Based Mass Spectrometry for Complex Carbohydrate System Analysis. <i>Analytical Chemistry</i> , 2004, 76, 2046-2054.	6.5	70
8	Glycoproteomics of N-glycosylation by in-gel deglycosylation and matrix-assisted laser desorption/ionisation-time of flight mass spectrometry mapping: Application to congenital disorders of glycosylation. <i>Proteomics</i> , 2005, 5, 2689-2701.	2.2	67
9	Anencephaly: Structural Characterization of Gangliosides in Defined Brain Regions. <i>Biological Chemistry</i> , 2001, 382, 259-74.	2.5	60
10	Nano-electrospray ionization time-of-flight mass spectrometry of gangliosides from human brain tissue. <i>Journal of Mass Spectrometry</i> , 2001, 36, 21-29.	1.6	57
11	Chip electrospray mass spectrometry for carbohydrate analysis. <i>Electrophoresis</i> , 2005, 26, 3650-3673.	2.4	56
12	Glycoscreening by on-line sheathless capillary electrophoresis/electrospray ionization-quadrupole time of flight-tandem mass spectrometry. <i>Electrophoresis</i> , 2001, 22, 2448-2457.	2.4	53
13	Structure of two new oligosaccharides isolated from human milk: Sialylated lacto-N-fucopentaoses I and II. <i>Carbohydrate Research</i> , 1985, 137, 127-138.	2.3	52
14	Ion Mobility Mass Spectrometry Analysis of Human Glycourinome. <i>Analytical Chemistry</i> , 2008, 80, 2506-2513.	6.5	52
15	Analysis of human hippocampus gangliosides by fully-automated chip-based nanoelectrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1130, 238-245.	3.7	49
16	Characterization of O-glycosylation sites in MUC2 glycopeptides by nanoelectrospray QTOF mass spectrometry. , 1999, 34, 395-407.		48
17	Two-Dimensional Differential Gel Electrophoresis of a Cell Line Derived from a Breast Cancer Micrometastasis Revealed a Stem/Progenitor Cell Protein Profile. <i>Journal of Proteome Research</i> , 2009, 8, 2004-2014.	3.7	48
18	Direct determination of glycosylation sites in O-fucosylated glycopeptides using nano-electrospray quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 771-777.	1.5	41

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19	Gangliosides from human granulocytes: A nano-ESI QTOF mass spectrometry fucosylation study of low abundance species in complex mixtures. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 964-973.	2.8	39
20	Downregulation of the antioxidant protein peroxiredoxin 2 contributes to angiotensin II-mediated podocyte apoptosis. <i>Kidney International</i> , 2011, 80, 959-969.	5.2	37
21	Identification of a High-Affinity-Binding Oligosaccharide by (+) Nanoelectrospray Quadrupole Time-of-Flight Tandem Mass Spectrometry of a Noncovalent Enzyme-Ligand Complex. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2429-2434.	13.8	36
22	On-Line Nano-HPLC/ESI QTOF MS and Tandem MS for Separation, Detection, and Structural Elucidation of Human Erythrocytes Neutral Glycosphingolipid Mixture. <i>Analytical Chemistry</i> , 2008, 80, 4711-4722.	6.5	35
23	Off-line capillary electrophoresis/fully automated nanoelectrospray chip quadrupole time-of-flight mass spectrometry and tandem mass spectrometry for glycoconjugate analysis. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1190-1201.	1.6	32
24	Structural studies on protein O-fucosylation by electron capture dissociation. <i>International Journal of Mass Spectrometry</i> , 2004, 234, 11-21.	1.5	32
25	Sialylation analysis of O-glycosylated sialylated peptides from urine of patients suffering from Schindler's disease by Fourier transform ion cyclotron resonance mass spectrometry and sustained off-resonance irradiation collision-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2822-2832.	1.5	31
26	Nano-electrospray ionization quadrupole time-of-flight tandem mass spectrometric analysis of a ganglioside mixture from human granulocytes. , 2000, 14, 543-550.		29
27	Identification of glycoconjugates in the urine of a patient with congenital disorder of glycosylation by high-resolution mass spectrometry. <i>Proteomics</i> , 2006, 6, 983-992.	2.2	29
28	Oligomerization and substrate binding studies of the adenylate kinase from <i>Sulfolobus acidocaldarius</i> by matrix-assisted laser desorption/ionization mass spectrometry. <i>Analyst</i> , The, 2000, 125, 563-567.	3.5	24
29	Automated normal phase nano high performance liquid chromatography/matrix assisted laser desorption/ionization mass spectrometry for analysis of neutral and acidic glycosphingolipids. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 289-297.	3.7	22
30	Sequencing of O-Glycopeptides Derived from an S-Layer Glycoprotein of <i>Geobacillus stearothermophilus</i> NRS 2004/3a Containing up to 51 Monosaccharide Residues at a Single Glycosylation Site by Fourier Transform Ion Cyclotron Resonance Infrared Multiphoton Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 3271-3279.	6.5	20
31	Application of ion mobility tandem mass spectrometry to compositional and structural analysis of glycopeptides extracted from the urine of a patient diagnosed with Schindler disease. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1929-1937.	1.5	20
32	Use of nonspecific cleavage products for protein sequence analysis as shown on calyculin isolated from human granulocytes. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 1180-1185.	2.8	18
33	Negative ion MALDI-TOF MS, ISD and PSD of neutral underivatized oligosaccharides without anionic dopant strategies, using 2,5-DHAP as a matrix. <i>Journal of Mass Spectrometry</i> , 2016, 51, 111-122.	1.6	13
34	Production and Molecular Characterization of Clinical Phase I Anti-Melanoma Mouse IgG3 Monoclonal Antibody R24. <i>Biotechnology Progress</i> , 2001, 17, 809-821.	2.6	12
35	The MALDI Process and Method. , 0, , 1-28.		11
36	Structures of fucose-containing ceramide pentasaccharides from the plasma of blood group O Le(a ⁻ b ⁺) nonsecretors. <i>FEBS Letters</i> , 1984, 174, 55-60.	2.8	8

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37	Small-Molecule Desorption/Ionization Mass Analysis. , 0, , 299-337.		8
38	MALDI Mass Spectrometry Instrumentation. , 0, , 29-82.		7
39	Preliminary mass spectrometry characterization studies of galectinâ€³ samples, prior to carbohydrateâ€³binding studies using Affinity mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 129-136.	1.5	6
40	MALDI-MS of Lipids. , 0, , 215-243.		4
41	Microprobing and Imaging MALDI for Biomarker Detection. , 0, , 109-130.		3
42	MALDI-MS of Nucleic Acids and Practical Implementations in Genomics and Genetics. , 0, , 131-179.		3
43	MALDI-MS of Glycans. , 0, , 181-214.		3
44	MALDI-MS in Protein Chemistry and Proteomics. , 0, , 83-108.		2
45	Quantitative characterization of galectinâ€³â€³ affinity mass spectrometry measurements: Comprehensive data analysis, obstacles, shortcuts and robustness. Rapid Communications in Mass Spectrometry, 2017, 31, 1709-1719.	1.5	2
46	MALDI-MS for Polymer Characterization. , 0, , 245-297.		1
47	Life sciences and mass spectrometry: some personal reflections. Biological Chemistry, 2021, 402, 1603-1607.	2.5	0