

Miloslav Sanda

List of Publications by Year in descending order

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70
papers

2,243
citations

218677

26
h-index

243625

44
g-index

79
all docs

79
docs citations

79
times ranked

3103
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycoforms of human prostate-specific membrane antigen (PSMA) in human cells and prostate tissue. <i>Prostate</i> , 2022, 82, 132-144.	2.3	3
2	A Rapid LC-MS/MS-PRM Assay for Serologic Quantification of Sialylated O-HPX Glycoforms in Patients with Liver Fibrosis. <i>Molecules</i> , 2022, 27, 2213.	3.8	2
3	Site-specific glycosylation of SARS-CoV-2: Big challenges in mass spectrometry analysis. <i>Proteomics</i> , 2022, 22, .	2.2	16
4	PD-L1 Glycosylation and Its Impact on Binding to Clinical Antibodies. <i>Journal of Proteome Research</i> , 2021, 20, 485-497.	3.7	29
5	N- and O-Glycosylation of the SARS-CoV-2 Spike Protein. <i>Analytical Chemistry</i> , 2021, 93, 2003-2009.	6.5	159
6	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.	19.0	74
7	Analysis of site and structure specific core fucosylation in liver cirrhosis using exoglycosidase-assisted data-independent LC-MS/MS. <i>Scientific Reports</i> , 2021, 11, 23273.	3.3	6
8	Comparative proteomic analysis of serum from nonhuman primates administered BIO 300: a promising radiation countermeasure. <i>Scientific Reports</i> , 2020, 10, 19343.	3.3	14
9	Low Collision Energy Fragmentation in Structure-Specific Glycoproteomics Analysis. <i>Analytical Chemistry</i> , 2020, 92, 8262-8267.	6.5	33
10	Optimized Fragmentation for Quantitative Analysis of Fucosylated N-Glycoproteins by LC-MS-MRM. <i>Analytical Chemistry</i> , 2019, 91, 9206-9212.	6.5	14
11	N-Glycosylation is required for secretion of the precursor to brain-derived neurotrophic factor (proBDNF) carrying sulfated LacdiNAc structures. <i>Journal of Biological Chemistry</i> , 2019, 294, 16816-16830.	3.4	17
12	Single-Molecule Real-Time (SMRT) Full-Length RNA-Sequencing Reveals Novel and Distinct mRNA Isoforms in Human Bone Marrow Cell Subpopulations. <i>Genes</i> , 2019, 10, 253.	2.4	16
13	Quantitative analysis of core fucosylation of serum proteins in liver diseases by LC-MS-MRM. <i>Journal of Proteomics</i> , 2018, 189, 67-74.	2.4	34
14	Chemoenzymatic synthesis of glycopeptides bearing rare N-glycan sequences with or without bisecting GlcNAc. <i>Chemical Science</i> , 2018, 9, 8194-8206.	7.4	16
15	Hydrophilic interaction liquid chromatography in the separation of glycopeptides and their isomers. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5001-5008.	3.7	40
16	Quantitative Analysis of Sex-Hormone-Binding Globulin Glycosylation in Liver Diseases by Liquid Chromatography-Mass Spectrometry Parallel Reaction Monitoring. <i>Journal of Proteome Research</i> , 2018, 17, 2755-2766.	3.7	17
17	Changes in the Glycosylation of Kininogen and the Development of a Kininogen-Based Algorithm for the Early Detection of HCC. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 795-803.	2.5	48
18	Study of structure-dependent chromatographic behavior of glycopeptides using reversed phase nanoLC. <i>Electrophoresis</i> , 2017, 38, 2193-2199.	2.4	26

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19	Site-specific analysis of changes in the glycosylation of proteins in liver cirrhosis using data-independent workflow with soft fragmentation. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 619-627.	3.7	29
20	Changes in the expression of N- and O-glycopeptides in patients with colorectal cancer and hepatocellular carcinoma quantified by full-MS scan FT-ICR and multiple reaction monitoring. <i>Journal of Proteomics</i> , 2017, 153, 44-52.	2.4	26
21	Nano reversed phase versus nano hydrophilic interaction liquid chromatography on a chip in the analysis of hemopexin glycopeptides. <i>Journal of Chromatography A</i> , 2017, 1519, 152-155.	3.7	35
22	Data Independent Analysis of IgG Glycoforms in Samples of Unfractionated Human Plasma. <i>Analytical Chemistry</i> , 2016, 88, 10118-10125.	6.5	46
23	Increased sialylation of site specific O-glycoforms of hemopexin in liver disease. <i>Clinical Proteomics</i> , 2016, 13, 24.	2.1	12
24	Quantitative analysis of immunoglobulin subclasses and subclass specific glycosylation by LC-MS ² -MRM in liver disease. <i>Journal of Proteomics</i> , 2015, 116, 24-33.	2.4	67
25	Targeted methods for quantitative analysis of protein glycosylation. <i>Proteomics - Clinical Applications</i> , 2015, 9, 17-32.	1.6	41
26	Antibacterial effect of compounds of peptide nature contained in aqueous extract of <i>Brassica napus</i> and <i>Solanum lycopersicum</i> and <i>Tetragonia tetragonioides</i> leaves. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2015, 04, 427-433.	0.8	2
27	Protein and Site Specificity of Fucosylation in Liver-Secreted Glycoproteins. <i>Journal of Proteome Research</i> , 2014, 13, 5561-5569.	3.7	32
28	Quantification of Fucosylated Hemopexin and Complement Factor H in Plasma of Patients with Liver Disease. <i>Analytical Chemistry</i> , 2014, 86, 10716-10723.	6.5	44
29	A click chemistry approach to identify protein targets of cancer chemopreventive phenethyl isothiocyanate. <i>RSC Advances</i> , 2014, 4, 3920-3923.	3.6	4
30	Site-Specific Glycan Microheterogeneity of Inter-Alpha-Trypsin Inhibitor Heavy Chain H4. <i>Journal of Proteome Research</i> , 2014, 13, 3314-3329.	3.7	35
31	Site-specific Glycoforms of Haptoglobin in Liver Cirrhosis and Hepatocellular Carcinoma. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1281-1293.	3.8	104
32	Quantitative Liquid Chromatography-Mass Spectrometry-Multiple Reaction Monitoring (LC-MS-MRM) Analysis of Site-specific Glycoforms of Haptoglobin in Liver Disease. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1294-1305.	3.8	83
33	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2935-2951.	3.8	103
34	LC-MS ² quantification of O-glycopeptides in human serum. <i>Electrophoresis</i> , 2013, 34, 2342-4349.	2.4	21
35	Profiling and characterization of volatile secretions from the European stink bug <i>Graphosoma lineatum</i> (Heteroptera: Pentatomidae) by two-dimensional gas chromatography/time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 881-882, 69-75.	2.3	14
36	Enzymatic activity and immunoreactivity of Aca s 4, an alpha-amylase allergen from the storage mite <i>Acarus siro</i> . <i>BMC Biochemistry</i> , 2012, 13, 3.	4.4	14

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37	Synthesis and structural studies of flavin and alloxazine adducts with O-nucleophiles. <i>Journal of Molecular Structure</i> , 2011, 1004, 178-187.	3.6	14
38	Evidence for the presence of proteolytically active secreted aspartic proteinase 1 of <i>Candida parapsilosis</i> in the cell wall. <i>Protein Science</i> , 2011, 20, 2004-2012.	7.6	8
39	Pyrazinium Salts as Efficient Organocatalysts of Mild Oxidations with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 865-870.	4.3	32
40	Matrix-Assisted Laser Desorption Ionization (MALDI)-Time of Flight Mass Spectrometry- and MALDI Biotyper-Based Identification of Cultured Biphenyl-Metabolizing Bacteria from Contaminated Horseradish Rhizosphere Soil. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6858-6866.	3.1	77
41	Non-equivalent Role of Inter- and Intramolecular Hydrogen Bonds in the Insulin Dimer Interface. <i>Journal of Biological Chemistry</i> , 2011, 286, 36968-36977.	3.4	31
42	Isolation of antimicrobial peptides and proteins from tomato. , 2011, , .		1
43	Larvae of flesh fly <i>Neobellieria bullata</i> as a source for novel antimicrobial peptides. , 2011, , .		0
44	Synthesis of N-Succinyl-L,L-Diaminopimelic Acid Mimetics Via Selective Protection. <i>Protein and Peptide Letters</i> , 2010, 17, 405-409.	0.9	5
45	Crystal structure and functional characterization of an immunomodulatory salivary cystatin from the soft tick <i>Ornithodoros moubata</i> . <i>Biochemical Journal</i> , 2010, 429, 103-112.	3.7	73
46	Synthesis of α -carboxyphosphinopeptides derived from norleucine. <i>Amino Acids</i> , 2010, 39, 1265-1280.	2.7	3
47	Phenotyping breast cancer cell lines EM-G3, HCC1937, MCF7 and MDA-MB-231 using 2-D electrophoresis and affinity chromatography for glutathione-binding proteins. <i>BMC Cancer</i> , 2010, 10, 449.	2.6	19
48	Changes in the proteomes of the hemocytes and fat bodies of the flesh fly <i>Sarcophaga bullata</i> larvae after infection by <i>Escherichia coli</i> . <i>Proteome Science</i> , 2010, 8, 1.	1.7	71
49	Single- and Double-Headed Chemical Probes for Detection of Active Cathepsin D in a Cancer Cell Proteome. <i>ChemBioChem</i> , 2010, 11, 1538-1541.	2.6	5
50	Direct Polymerase Synthesis of Reactive Aldehyde-Functionalized DNA and Its Conjugation and Staining with Hydrazines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1064-1066.	13.8	106
51	Purification and characterization of antimicrobial peptides from fleshfly <i>Neobellieria bullata</i> . <i>Journal of Biotechnology</i> , 2010, 150, 451-452.	3.8	0
52	Crystallization and diffraction analysis of the serpin IRS-2 from the hard tick <i>Ixodes ricinus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1453-1457.	0.7	13
53	Attenuation of vaccinia virus by the expression of human Flt3 ligand. <i>Virology Journal</i> , 2010, 7, 109.	3.4	4
54	Synthesis of nucleoside and nucleotide conjugates of bile acids, and polymerase construction of bile acid-functionalized DNA. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1194.	2.8	42

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55	Efficient synthesis of phosphonodepsipeptides derived from norleucine. <i>Tetrahedron</i> , 2009, 65, 6090-6103.	1.9	14
56	Hemoglobin Digestion in Blood-Feeding Ticks: Mapping a Multipeptidase Pathway by Functional Proteomics. <i>Chemistry and Biology</i> , 2009, 16, 1053-1063.	6.0	156
57	Structure-Activity Study of New Inhibitors of Human Betaine-Homocysteine S-Methyltransferase. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3652-3665.	6.4	10
58	Hydroxamic Acids As a Novel Family of Serine Racemase Inhibitors: Mechanistic Analysis Reveals Different Modes of Interaction with the Pyridoxal-5-phosphate Cofactor. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6032-6041.	6.4	33
59	Peptides with antimicrobial activity isolated from larvae of the flesh fly <i>Neobellieria bullata</i> . , 2009, , .		0
60	Synthesis of norleucine-derived phosphonopeptides. <i>Tetrahedron Letters</i> , 2008, 49, 4366-4368.	1.4	9
61	Mapping the peptide and protein immune response in the larvae of the fleshfly <i>Sarcophaga bullata</i> . <i>Journal of Peptide Science</i> , 2008, 14, 670-682.	1.4	15
62	Synthesis of methionine- and norleucine-derived phosphinopeptides. <i>Tetrahedron Letters</i> , 2008, 49, 5629-5631.	1.4	16
63	Two-dimensional electrophoretic comparison of metastatic and non-metastatic human breast tumors using in vitro cultured epithelial cells derived from the cancer tissues. <i>BMC Cancer</i> , 2008, 8, 107.	2.6	16
64	Reactivity of histidine and lysine side-chains with diethylpyrocarbonate - A method to identify surface exposed residues in proteins. <i>Journal of Proteomics</i> , 2008, 70, 1091-1097.	2.4	25
65	Insulin Analogues with Modifications at Position B26. Divergence of Binding Affinity and Biological Activity. <i>Biochemistry</i> , 2008, 47, 5858-5868.	2.5	30
66	2-DE analysis of breast cancer cell lines 1833 and 4175 with distinct metastatic organ-specific potentials: comparison with parental cell line MDA-MB-231. <i>Oncology Reports</i> , 2008, 19, 1237-44.	2.6	13
67	Structure-activity relationship of CART (cocaine- and amphetamine-regulated transcript) peptide fragments. <i>Peptides</i> , 2007, 28, 1945-1953.	2.4	25
68	The use of Fmoc-Lys(Pac)-OH and penicillin G acylase in the preparation of novel semisynthetic insulin analogs. <i>Journal of Peptide Science</i> , 2007, 13, 334-341.	1.4	16
69	2-DE analysis of a new human cell line EM-G3 derived from breast cancer progenitor cells and comparison with normal mammary epithelial cells. <i>Proteomics</i> , 2007, 7, 1549-1559.	2.2	21
70	2-DE analysis of breast cancer cell lines 1833 and 4175 with distinct metastatic organ-specific potentials: Comparison with parental cell line MDA-MB-231. <i>Oncology Reports</i> , 0, , .	2.6	9