

Erika Lattová

List of Publications by Year in descending order

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37
papers

1,381
citations

394286

19
h-index

345118

36
g-index

39
all docs

39
docs citations

39
times ranked

1719
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the methods for profiling glycoprotein glycansâ€”HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , 2007, 17, 411-422.	1.3	382
2	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.	2.5	87
3	Labelling saccharides with phenylhydrazine for electrospray and matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 167-179.	1.2	80
4	Influence of the labeling group on ionization and fragmentation of carbohydrates in mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 683-696.	1.2	62
5	Profiling of N-linked oligosaccharides using phenylhydrazine derivatization and mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 1016, 71-87.	1.8	52
6	Contiguous <i>O</i> -Galactosylation of 4(<i>R</i>)-Hydroxy-proline Residues Forms Very Stable Polyproline II Helices. <i>Journal of the American Chemical Society</i> , 2010, 132, 5036-5042.	6.6	49
7	Structural Features and Anti-coagulant Activity of the Sulphated Polysaccharide SPS-CF from a Green Alga <i>Capsosiphon fulvescens</i> . <i>Marine Biotechnology</i> , 2015, 17, 718-735.	1.1	49
8	The usefulness of hydrazine derivatives for mass spectrometric analysis of carbohydrates. <i>Mass Spectrometry Reviews</i> , 2013, 32, 366-385.	2.8	48
9	Matrix-assisted laser desorption/ionization tandem mass spectrometry and post-source decay fragmentation study of phenylhydrazones of N-linked oligosaccharides from ovalbumin. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 725-735.	1.2	45
10	Low glucose depletes glycan precursors, reduces site occupancy and galactosylation of a monoclonal antibody in CHO cell culture. <i>Biotechnology Journal</i> , 2015, 10, 1051-1066.	1.8	45
11	N-Glycomic Changes in Human Breast Carcinoma MCF-7 and T-Lymphoblastoid Cells After Treatment with Herceptin and Herceptin/Lipoplex. <i>Journal of Proteome Research</i> , 2010, 9, 1533-1540.	1.8	42
12	Synthesis of 1,2,3-Triazolo-Linked Octyl (1,2,3-Triazolo- <i>l</i> -Oligomannosides and Their Evaluation in Mycobacterial Mannosyltransferase Assay). <i>Bioconjugate Chemistry</i> , 2011, 22, 289-298.	1.8	36
13	Method for Investigation of Oligosaccharides from Glycopeptides:â€” Direct Determination of Glycosylation Sites in Proteins. <i>Analytical Chemistry</i> , 2006, 78, 2977-2984.	3.2	34
14	Mass spectrometric profiling of N-linked oligosaccharides and uncommon glycoform in mouse serum with head and neck tumor. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 671-685.	1.2	30
15	Towards the development of a surface plasmon resonance assay to evaluate the glycosylation pattern of monoclonal antibodies using the extracellular domains of CD16a and CD64. <i>Journal of Immunological Methods</i> , 2014, 408, 24-34.	0.6	29
16	Matrix-assisted laser desorption/ionization on-target method for the investigation of oligosaccharides and glycosylation sites in glycopeptides and glycoproteins. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1644-1650.	0.7	25
17	1,2-d-Mannose derivatives as models designed for selective inhibition of Golgi α -mannosidase II. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 944-952.	2.6	24
18	N-Glycan profiling of lung adenocarcinoma in patients at different stages of disease. <i>Modern Pathology</i> , 2020, 33, 1146-1156.	2.9	23

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19	Mass spectrometric study of N-glycans from serum of woodchucks with liver cancer. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2983-2995.	0.7	21
20	Method for Investigation of Oligosaccharides Using Phenylhydrazine Derivatization. , 2009, 534, 65-77.		18
21	Synthesis of N-acetyl-lactosamine via ozonolysis of a nitro derivative. <i>Carbohydrate Research</i> , 1992, 235, 289-293.	1.1	17
22	Applicability of Phenylhydrazine Labeling for Structural Studies of Fucosylated N-Glycans. <i>Analytical Chemistry</i> , 2019, 91, 7985-7990.	3.2	17
23	Combined treatment of human MCF-7 breast carcinoma with antibody, cationic lipid and hyaluronic acid using ex vivo assays. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 192-201.	1.4	16
24	N-Glycome changes reflecting resistance to platinum-based chemotherapy in ovarian cancer. <i>Journal of Proteomics</i> , 2021, 230, 103964.	1.2	16
25	Derivatives of thiocolchicine and its applications to CEM cells treatment using ¹⁹ F Magnetic Resonance ex vivo. <i>Bioorganic Chemistry</i> , 2010, 38, 1-6.	2.0	15
26	Nonretentive Solid-Phase Extraction of Phosphorylated Peptides from Complex Peptide Mixtures for Detection by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 7027-7033.	3.2	14
27	Alterations in Glycopeptides Associated with Herceptin Treatment of Human Breast Carcinoma MCF-7 and T-Lymphoblastoid Cells. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.007765.	2.5	13
28	Extension of the Nef reaction to C-glycosylnitromethanes. <i>Carbohydrate Research</i> , 2006, 341, 2019-2025.	1.1	12
29	N-Glycome Profiling of Patatins from Different Potato Species of <i>Solanum</i> Genus. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3243-3250.	2.4	12
30	Efficient Procedure for N-Glycan Analyses and Detection of Endo- α -N-Acetylglucosaminidase-Like Activity in Human Tumor Specimens. <i>Journal of Proteome Research</i> , 2016, 15, 2777-2786.	1.8	12
31	Conversions of Nitroalkyl to Carbonyl Groups in Carbohydrates. <i>Monatshefte für Chemie</i> , 2002, 133, 383-392.	0.9	11
32	Ex vivo assays of CEM cells cultured and treated in the three dimensional cultures. <i>Biomedicine and Pharmacotherapy</i> , 2010, 64, 390-395.	2.5	11
33	The efficacy of new colchicine derivatives and viability of the T-Lymphoblastoid cells in three-dimensional culture using ¹⁹ F MRI and HPLC-UV ex vivo. <i>Bioorganic Chemistry</i> , 2009, 37, 193-201.	2.0	10
34	Comprehensive N-glycosylation mapping of envelope glycoprotein from tick-borne encephalitis virus grown in human and tick cells. <i>Scientific Reports</i> , 2020, 10, 13204.	1.6	10
35	Novel synthetic (1 → 6)- α -D-mannosidic substrates support processive mannosylation catalysed by the mycobacterial cell envelope enzyme fraction. <i>RSC Advances</i> , 2013, 3, 17784.	1.7	6
36	Differentiation of Sialyl Linkages Using a Combination of Alkyl Esterification and Phenylhydrazine Derivatization: Application for N-Glycan Profiling in the Sera of Patients with Lung Cancer. <i>Analytical Chemistry</i> , 2022, 94, 6736-6744.	3.2	5

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37	In vivo and in vitro cell based model of lung adenocarcinoma from patients with pleural effusion. Neoplasma, 2021, 68, 498-508.	0.7	1