

Katharina Paschinger

List of Publications by Year in descending order

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68
papers

2,237
citations

186265

28
h-index

243625

44
g-index

70
all docs

70
docs citations

70
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Specificity analysis of lectins and antibodies using remodeled glycoproteins. <i>Analytical Biochemistry</i> , 2009, 386, 133-146.	2.4	124
2	Schistosome N-glycans containing core β 3-fucose and core β 2-xylose epitopes are strong inducers of Th2 responses in mice. <i>European Journal of Immunology</i> , 2003, 33, 1271-1281.	2.9	110
3	Fucosyltransferase substrate specificity and the order of fucosylation in invertebrates. <i>Glycobiology</i> , 2005, 15, 463-474.	2.5	109
4	Caenorhabditis elegans N-glycan Core β 2-galactoside Confers Sensitivity towards Nematotoxic Fungal Galectin CGL2. <i>PLoS Pathogens</i> , 2010, 6, e1000717.	4.7	95
5	Biosynthesis of Truncated N-Linked Oligosaccharides Results from Non-orthologous Hexosaminidase-mediated Mechanisms in Nematodes, Plants, and Insects. <i>Journal of Biological Chemistry</i> , 2007, 282, 27825-27840.	3.4	84
6	The N-glycosylation pattern of Caenorhabditis elegans. <i>Carbohydrate Research</i> , 2008, 343, 2041-2049.	2.3	78
7	Molecular Basis of Anti-horseradish Peroxidase Staining in Caenorhabditis elegans. <i>Journal of Biological Chemistry</i> , 2004, 279, 49588-49598.	3.4	74
8	Complicated N-linked glycans in simple organisms. <i>Biological Chemistry</i> , 2012, 393, 661-673.	2.5	69
9	Revealing the anti-HRP epitope in Drosophila and Caenorhabditis. <i>Glycoconjugate Journal</i> , 2009, 26, 385-395.	2.7	65
10	The N-glycans of Trichomonas vaginalis contain variable core and antennal modifications. <i>Glycobiology</i> , 2012, 22, 300-313.	2.5	60
11	Targeted release and fractionation reveal glucuronylated and sulphated N- and O-glycans in larvae of dipteran insects. <i>Journal of Proteomics</i> , 2015, 126, 172-188.	2.4	59
12	N-Glycans of the porcine nematode parasite Ascaris suum are modified with phosphorylcholine and core fucose residues. <i>FEBS Journal</i> , 2007, 274, 714-726.	4.7	51
13	Hemocytes and Plasma of the Eastern Oyster (Crassostrea virginica) Display a Diverse Repertoire of Sulfated and Blood Group A-modified N-Glycans*. <i>Journal of Biological Chemistry</i> , 2013, 288, 24410-24428.	3.4	49
14	The underestimated N-glycomes of lepidopteran species. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 699-714.	2.4	47
15	A genetic and structural analysis of the -glycosylation capabilities. <i>Plant Molecular Biology</i> , 2004, 55, 631-644.	3.9	44
16	A Deletion in the Golgi β -Mannosidase II Gene of Caenorhabditis elegans Results in Unexpected Non-wild-type N-Glycan Structures. <i>Journal of Biological Chemistry</i> , 2006, 281, 28265-28277.	3.4	44
17	Modulation of Neural Carbohydrate Epitope Expression in Drosophila melanogaster Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 3343-3353.	3.4	44
18	Galactosylated Fucose Epitopes in Nematodes. <i>Journal of Biological Chemistry</i> , 2012, 287, 28276-28290.	3.4	43

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19	Mass spectrometric analysis of the immunodominant glycan epitope of <i>Echinococcus granulosus</i> antigen Ag5. <i>International Journal for Parasitology</i> , 2012, 42, 279-285.	3.1	39
20	Multistep Fractionation and Mass Spectrometry Reveal Zwitterionic and Anionic Modifications of the N- and O-glycans of a Marine Snail. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 573-597.	3.8	38
21	Comparison of RP-HPLC modes to analyse the N-glycome of the free-living nematode <i>Pristionchus pacificus</i> . <i>Electrophoresis</i> , 2015, 36, 1314-1329.	2.4	37
22	Mass Spectrometric Analysis of Neutral and Anionic N-Glycans from a <i>Dictyostelium discoideum</i> Model for Human Congenital Disorder of Glycosylation CDG IL. <i>Journal of Proteome Research</i> , 2013, 12, 1173-1187.	3.7	36
23	Highly modified and immunoactive N-glycans of the canine heartworm. <i>Nature Communications</i> , 2019, 10, 75.	12.8	36
24	Two types of galactosylated fucose motifs are present on N-glycans of <i>Haemonchus contortus</i> . <i>Glycobiology</i> , 2015, 25, 585-590.	2.5	35
25	Core Richness of N-Glycans of <i>Caenorhabditis elegans</i> : A Case Study on Chemical and Enzymatic Release. <i>Analytical Chemistry</i> , 2018, 90, 928-935.	6.5	35
26	Array-assisted Characterization of a Fucosyltransferase Required for the Biosynthesis of Complex Core Modifications of Nematode N-Glycans. <i>Journal of Biological Chemistry</i> , 2013, 288, 21015-21028.	3.4	33
27	Bisecting Galactose as a Feature of N-Glycans of Wild-type and Mutant <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2111-2125.	3.8	32
28	More Than Just Oligomannose: An N-glycomic Comparison of <i>Penicillium</i> Species. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 73-92.	3.8	30
29	Comparisons of <i>Caenorhabditis</i> Fucosyltransferase Mutants Reveal a Multiplicity of Isomeric N-Glycan Structures. <i>Journal of Proteome Research</i> , 2015, 14, 5291-5305.	3.7	29
30	Gender and developmental specific N-glycomes of the porcine parasite <i>Oesophagostomum dentatum</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 418-430.	2.4	29
31	Presence of galactosylated core fucose on N-glycans in the planaria <i>Dugesia japonica</i> . <i>Journal of Mass Spectrometry</i> , 2011, 46, 561-567.	1.6	28
32	Towards abolition of immunogenic structures in insect cells: characterization of a honey-bee (<i>Apis mellifera</i>) Lewis-x blood-group-related antigen-synthesizing enzyme. <i>Biochemical Journal</i> , 2007, 402, 105-115.	3.7	27
33	Sweet secrets of a therapeutic worm: mass-spectrometric N-glycomic analysis of <i>Trichuris suis</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 461-471.	3.7	27
34	Isomeric Separation and Recognition of Anionic and Zwitterionic N-glycans from Royal Jelly Glycoproteins. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2177-2196.	3.8	26
35	Comparisons of N-glycans across invertebrate phyla. <i>Parasitology</i> , 2019, 146, 1733-1742.	1.5	26
36	<i>Entamoeba histolytica</i> : Analysis of the trophozoite proteome by two-dimensional polyacrylamide gel electrophoresis. <i>Experimental Parasitology</i> , 2005, 110, 191-195.	1.2	24

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37	Definition of immunogenic carbohydrate epitopes.. Acta Biochimica Polonica, 2019, 52, 629-632.	0.5	24
38	Molecular and immunological characterization of the glycosylated orange allergen Cit s 1. Glycobiology, 2007, 17, 220-230.	2.5	23
39	Analysis of zwitterionic and anionic N-linked glycans from invertebrates and protists by mass spectrometry. Glycoconjugate Journal, 2016, 33, 273-283.	2.7	23
40	Reconstitution in vitro of the GDP-fucose biosynthetic pathways of Caenorhabditis elegans and Drosophila melanogaster. FEBS Journal, 2006, 273, 2244-2256.	4.7	22
41	Anionic and zwitterionic moieties as widespread glycan modifications in non-vertebrates. Glycoconjugate Journal, 2020, 37, 27-40.	2.7	22
42	The Drosophila melanogaster homologue of the human histo-blood group Pk gene encodes a glycolipid-modifying Î±1,4-N-acetylgalactosaminyltransferase. Biochemical Journal, 2004, 382, 67-74.	3.7	21
43	Distantly related plant and nematode core Î±1,3-fucosyltransferases display similar trends in structureâ€“function relationships. Glycobiology, 2011, 21, 1401-1415.	2.5	21
44	Comparative characterisation of recombinant invertebrate and vertebrate peptide O-Xylosyltransferases. Glycoconjugate Journal, 2006, 23, 543-554.	2.7	20
45	Exploring the Unique N-Glycome of the Opportunistic Human Pathogen Acanthamoeba. Journal of Biological Chemistry, 2012, 287, 43191-43204.	3.4	20
46	Analysis of Invertebrate and Protist N-Glycans. Methods in Molecular Biology, 2017, 1503, 167-184.	0.9	20
47	N-glycomic Complexity in Anatomical Simplicity: Caenorhabditis elegans as a Non-model Nematode?. Frontiers in Molecular Biosciences, 2019, 6, 9.	3.5	20
48	The fucomic potential of mosquitoes: Fucosylated N-glycan epitopes and their cognate fucosyltransferases. Insect Biochemistry and Molecular Biology, 2016, 68, 52-63.	2.7	17
49	<i>N</i>-glycomic profiling of a glucosidase II mutant of <i>Dictyostelium discoideum</i> by â€“offâ€“lineâ€“TMâ€“TM liquid chromatography and mass spectrometry. Electrophoresis, 2014, 35, 2116-2129.	2.4	15
50	The parasitic nematode Oesophagostomum dentatum synthesizes unusual glycosaminoglycan-like O-glycans. Glycobiology, 2018, 28, 474-481.	2.5	15
51	Tissue-specific glycosylation in the honeybee: Analysis of the N-glycomes of Apis mellifera larvae and venom. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 129409.	2.4	15
52	Definition of immunogenic carbohydrate epitopes. Acta Biochimica Polonica, 2005, 52, 629-32.	0.5	13
53	Ablation of N-acetylglucosaminyltransferases in Caenorhabditis induces expression of unusual intersected and bisected N-glycans. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2191-2203.	2.4	12
54	Glycosylation at an evolutionary nexus: the brittle star Ophiactis savignyi expresses both vertebrate and invertebrate N-glycomic features. Journal of Biological Chemistry, 2020, 295, 3173-3188.	3.4	12

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55	N-Glycomic and N-Glycoproteomic Studies in the Social Amoebae. <i>Methods in Molecular Biology</i> , 2013, 983, 205-229.	0.9	11
56	Hydrophilic interaction anion exchange for separation of multiply modified neutral and anionic <i>Dictyostelium</i> N-glycans. <i>Electrophoresis</i> , 2017, 38, 2175-2183.	2.4	11
57	Biochemical Characterization of Oyster and Clam Galectins: Selective Recognition of Carbohydrate Ligands on Host Hemocytes and Perkinsus Parasites. <i>Frontiers in Chemistry</i> , 2020, 8, 98.	3.6	11
58	Comparison of the proteome profiles of <i>Entamoeba histolytica</i> and its close but non-pathogenic relative <i>Entamoeba dispar</i> . <i>Wiener Klinische Wochenschrift</i> , 2006, 118, 37-41.	1.9	9
59	Glycomarkers in parasitic infections and allergy. <i>Biochemical Society Transactions</i> , 2011, 39, 360-364.	3.4	9
60	Sulfated and sialylated N-glycans in the echinoderm <i>Holothuria atra</i> reflect its marine habitat and phylogeny. <i>Journal of Biological Chemistry</i> , 2020, 295, 3159-3172.	3.4	9
61	Zwitterionic Phosphodiester-Substituted Neoglycoconjugates as Ligands for Antibodies and Acute Phase Proteins. <i>ACS Chemical Biology</i> , 2020, 15, 369-377.	3.4	6
62	Insights into the salivary N-glycome of <i>Lutzomyia longipalpis</i> , vector of visceral leishmaniasis. <i>Scientific Reports</i> , 2020, 10, 12903.	3.3	5
63	Negative-mode mass spectrometry in the analysis of invertebrate, fungal, and protist N-glycans. <i>Mass Spectrometry Reviews</i> , 2021, , .	5.4	5
64	Protein-Specific Analysis of Invertebrate Glycoproteins. <i>Methods in Molecular Biology</i> , 2019, 1871, 421-435.	0.9	3
65	<i>Comparative Glycobiology</i> . , 2015, , 795-805.		3
66	<i>Comparative Glycobiology</i> . , 2014, , 1-10.		1
67	<i>Glycobiology of Caenorhabditis elegans</i> . , 2021, , 36-54.		0
68	Glycomics Studies on Nematodes Elucidate Conserved Functional Epitopes and Biosynthetic Pathways. <i>FASEB Journal</i> , 2018, 32, 673.17.	0.5	0