

Jared Q Gerlach

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,448
citations

331670

21
h-index

330143

37
g-index

47
all docs

47
docs citations

47
times ranked

2234
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle-Based Sensing of Glycan-Lectin Interactions. <i>Journal of the American Chemical Society</i> , 2006, 128, 10018-10019.	13.7	124
2	Label-Free Impedimetric Detection of Glycan-Lectin Interactions. <i>Analytical Chemistry</i> , 2007, 79, 6959-6964.	6.5	122
3	Cross-platform comparison of glycan microarray formats. <i>Glycobiology</i> , 2014, 24, 507-517.	2.5	114
4	Surface Glycosylation Profiles of Urine Extracellular Vesicles. <i>PLoS ONE</i> , 2013, 8, e74801.	2.5	90
5	Surface molecules of extracellular vesicles secreted by the helminth pathogen <i>Fasciola hepatica</i> direct their internalisation by host cells. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007087.	3.0	88
6	Getting to know the extracellular vesicle glycome. <i>Molecular BioSystems</i> , 2016, 12, 1071-1081.	2.9	78
7	Extracellular vesicles from <i>Paracoccidioides</i> pathogenic species transport polysaccharide and expose ligands for DC-SIGN receptors. <i>Scientific Reports</i> , 2015, 5, 14213.	3.3	66
8	Divergent Mechanisms of Interaction of <i>Helicobacter pylori</i> and <i>Campylobacter jejuni</i> with Mucus and Mucins. <i>Infection and Immunity</i> , 2013, 81, 2838-2850.	2.2	65
9	Periodic acid-Schiff's reagent assay for carbohydrates in a microtiter plate format. <i>Analytical Biochemistry</i> , 2011, 416, 18-26.	2.4	64
10	<i>Fasciola hepatica</i> Surface Tegument: Glycoproteins at the Interface of Parasite and Host. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3139-3153.	3.8	55
11	Glyco-biosensors: Recent advances and applications for the detection of free and bound carbohydrates. <i>Analyst</i> , 2010, 135, 2471.	3.5	53
12	Construction of a Natural Mucin Microarray and Interrogation for Biologically Relevant Glyco-Epitopes. <i>Analytical Chemistry</i> , 2012, 84, 3330-3338.	6.5	53
13	<i>Fasciola hepatica</i> Extracellular Vesicles isolated from excretory-secretory products using a gravity flow method modulate dendritic cell phenotype and activity. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008626.	3.0	38
14	Distinctive Surface Glycosylation Patterns Associated With Mouse and Human CD4+ Regulatory T Cells and Their Suppressive Function. <i>Frontiers in Immunology</i> , 2017, 8, 987.	4.8	34
15	Surface chemistry and linker effects on lectin-carbohydrate recognition for glycan microarrays. <i>Analytical Methods</i> , 2012, 4, 2721.	2.7	32
16	Microarray evaluation of the effects of lectin and glycoprotein orientation and data filtering on glycoform discrimination. <i>Analytical Methods</i> , 2014, 6, 440-449.	2.7	30
17	O-glycosylation of protein subpopulations in alcohol-extracted rice proteins. <i>Journal of Plant Physiology</i> , 2009, 166, 219-232.	3.5	28
18	Glycobiomimics and glycobiosensors. <i>Biochemical Society Transactions</i> , 2010, 38, 1333-1336.	3.4	28

#	ARTICLE	IF	CITATIONS
19	Advanced glycation end products (AGEs) in oral pathology. Archives of Oral Biology, 2018, 93, 22-30.	1.8	28
20	Campylobacter jejuni strain discrimination and temperature-dependent glycome expression profiling by lectin microarray. Carbohydrate Research, 2014, 389, 123-133.	2.3	27
21	Profiling temporal changes in bovine milk lactoferrin glycosylation using lectin microarrays. Food Chemistry, 2014, 165, 388-396.	8.2	26
22	Lectin microarray profiling and monosaccharide analysis of bovine milk immunoglobulin G oligosaccharides during the first 10 days of lactation. Food Science and Nutrition, 2019, 7, 1564-1572.	3.4	19
23	Urinary nanovesicles captured by lectins or antibodies demonstrate variations in size and surface glycosylation profile. Nanomedicine, 2017, 12, 1217-1229.	3.3	18
24	Non-carbohydrate-Mediated Interaction of Lectins with Plant Proteins. Advances in Experimental Medicine and Biology, 2011, 705, 257-269.	1.6	18
25	Advances in analytical methodologies to guide bioprocess engineering for bio-therapeutics. Methods, 2017, 116, 63-83.	3.8	17
26	Advanced glycation end products as biomarkers in systemic diseases: premises and perspectives of salivary advanced glycation end products. Biomarkers in Medicine, 2019, 13, 479-495.	1.4	16
27	Interrogation of Milk-Driven Changes to the Proteome of Intestinal Epithelial Cells by Integrated Proteomics and Glycomics. Journal of Agricultural and Food Chemistry, 2019, 67, 1902-1917.	5.2	15
28	Assessing Bacterial Interactions Using Carbohydrate-Based Microarrays. Microarrays (Basel), 2014, 1, 1-14.	1.4	14
29	Differential release of high mannose structural isoforms by fungal and bacterial endo- β -N-acetylglucosaminidases. Molecular BioSystems, 2012, 8, 1472.	2.9	13
30	Donor Bone Marrow-derived Dendritic Cells Prolong Corneal Allograft Survival and Promote an Intra-graft Immunoregulatory Milieu. Molecular Therapy, 2013, 21, 2102-2112.	8.2	13
31	Regulating Immunogenicity and Tolerogenicity of Bone Marrow-Derived Dendritic Cells through Modulation of Cell Surface Glycosylation by Dexamethasone Treatment. Frontiers in Immunology, 2017, 8, 1427.	4.8	10
32	Analysis of Schistosoma mansoni Extracellular Vesicles Surface Glycans Reveals Potential Immune Evasion Mechanism and New Insights on Their Origins of Biogenesis. Pathogens, 2021, 10, 1401.	2.8	8
33	Calculating Half Maximal Inhibitory Concentration (IC50) Values from Glycomics Microarray Data Using GraphPad Prism. Methods in Molecular Biology, 2022, 2460, 89-111.	0.9	8
34	Comparison of Single and Repeated Dosing of Anti-Inflammatory Human Umbilical Cord Mesenchymal Stromal Cells in a Mouse Model of Polymicrobial Sepsis. Stem Cell Reviews and Reports, 2022, 18, 1444-1460.	3.8	7
35	Rapid screening for specific glycosylation and pathogen interactions on a 78 species avian egg white glycoprotein microarray. Scientific Reports, 2017, 7, 6477.	3.3	6
36	Temporal alterations in the bovine buttermilk glycome from parturition to milk maturation. Food Chemistry, 2016, 211, 329-338.	8.2	5

#	ARTICLE	IF	CITATIONS
37	Partial Characterization of a Vicilin-Like Glycoprotein from Seeds of Flowering Tobacco (<i>Nicotiana Tj ETQq1 1 0,784314 rgBT /Overl	1.2	4
38	A Tight-Knit Group: Protein Glycosylation, Endoplasmic Reticulum Stress and the Unfolded Protein Response. , 2012, , 23-39.		4
39	Plant-Produced Biopharmaceuticals. , 2010, , 269-299.		3
40	Sugar Coating: Utilisation of Host Serum Sialoglycoproteins by Schistosoma mansoni as a Potential Immune Evasion Mechanism. Pathogens, 2022, 11, 426.	2.8	3
41	Sensitive and rapid electrochemical bioassay of glycosidase activity. Analyst, The, 2006, 131, 889.	3.5	2
42	Examination of oestrus-dependent alterations of bovine cervico-vaginal mucus glycosylation for potential as optimum fertilisation indicators. Molecular Omics, 2021, 17, 338-346.	2.8	1
43	Mucin Purification and Printing Natural Mucin Microarrays. Methods in Molecular Biology, 2022, 2460, 127-146.	0.9	1
44	Bacterial Staining and for Glycan Interactions on Glycan Microarrays for t-Test Calculation. Methods in Molecular Biology, 2022, 2460, 223-237.	0.9	0
45	Neoglycoprotein and Glycoprotein Printing on a Hydrogel Functionalized Microarray Surface and Incubation with Labeled Lectins. Methods in Molecular Biology, 2022, 2460, 3-24.	0.9	0
46	Preparation and Fluorescent Labeling of Cell-Derived Micelles and on Glycan Microarrays. Methods in Molecular Biology, 2022, 2460, 239-248.	0.9	0