

Jeffrey C Gildersleeve

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4188655/publications.pdf>

Version: 2024-02-01

75
papers

3,476
citations

136950

32
h-index

144013

57
g-index

81
all docs

81
docs citations

81
times ranked

3857
citing authors

#	ARTICLE	IF	CITATIONS
1	Enterotoxigenic <i>Escherichia coli</i> Degrades the Host MUC2 Mucin Barrier To Facilitate Critical Pathogen-Enterocyte Interactions in Human Small Intestine. <i>Infection and Immunity</i> , 2022, 90, IAI0057221.	2.2	16
2	General Strategies for Glycan Microarray Data Processing and Analysis. <i>Methods in Molecular Biology</i> , 2022, 2460, 67-87.	0.9	5
3	Selective Recognition of Carbohydrate Antigens by Germline Antibodies Isolated from AID Knockout Mice. <i>Journal of the American Chemical Society</i> , 2022, 144, 4925-4941.	13.7	4
4	Synthesis and Immunological Study of N-Glycan-Bacteriophage Q $\hat{1}^2$ Conjugates Reveal Dominant Antibody Responses to the Conserved Chitobiose Core. <i>Bioconjugate Chemistry</i> , 2022, 33, 1350-1362.	3.6	6
5	Abnormal antibodies to self-carbohydrates in SARS-CoV-2-infected patients. , 2022, 1, .		5
6	Enhanced Binding and Reduced Immunogenicity of Glycoconjugates Prepared via Solid-State Photoactivation of Aliphatic Diazirine Carbohydrates. <i>Bioconjugate Chemistry</i> , 2021, 32, 133-142.	3.6	1
7	Glycan Arrays: Construction, Detection, and Analysis. , 2021, , 116-133.		2
8	Anti-glycan antibodies: roles in human disease. <i>Biochemical Journal</i> , 2021, 478, 1485-1509.	3.7	22
9	Carbohydrate antigen microarray analysis of serum IgG and IgM antibodies before and after adult porcine islet xenotransplantation in cynomolgus macaques. <i>PLoS ONE</i> , 2021, 16, e0253029.	2.5	3
10	Chemoenzymatic Synthesis of 9NHAc \hat{e} GD2 Antigen to Overcome the Hydrolytic Instability of O \hat{a} Acetylated \hat{a} GD2 for Anticancer Conjugate Vaccine Development. <i>Angewandte Chemie</i> , 2021, 133, 24381.	2.0	2
11	Chemoenzymatic Synthesis of 9NHAc \hat{e} GD2 Antigen to Overcome the Hydrolytic Instability of <i>O</i> \hat{a} Acetylated \hat{a} GD2 for Anticancer Conjugate Vaccine Development. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24179-24188.	13.8	21
12	GlyGen: Computational and Informatics Resources for Glycoscience. <i>Glycobiology</i> , 2020, 30, 72-73.	2.5	123
13	Profiling natural serum antibodies of non \hat{e} human primates with a carbohydrate antigen microarray. <i>Xenotransplantation</i> , 2020, 27, e12567.	2.8	4
14	Insights into Antibody-Carbohydrate Recognition from Neoglycoprotein Microarrays. <i>ACS Symposium Series</i> , 2020, , 23-37.	0.5	2
15	Anti-glycan IgM repertoires in newborn human cord blood. <i>PLoS ONE</i> , 2019, 14, e0218575.	2.5	15
16	Factors contributing to variability of glycan microarray binding profiles. <i>Faraday Discussions</i> , 2019, 219, 90-111.	3.2	32
17	A Tumor-Selective Monoclonal Antibody from Immunization with a Tumor-Associated Mucin Glycopeptide. <i>Scientific Reports</i> , 2019, 9, 5662.	3.3	17
18	Glycan interactions on glycocalyx mimetic surfaces: general discussion. <i>Faraday Discussions</i> , 2019, 219, 183-188.	3.2	0

#	ARTICLE	IF	CITATIONS
19	Development of a Multiplex Glycan Microarray Assay and Comparative Analysis of Human Serum Anti-Glycan IgA, IgG, and IgM Repertoires. <i>ACS Omega</i> , 2018, 3, 16882-16891.	3.5	24
20	Enterotoxigenic <i>Escherichia coli</i> "blood group A interactions intensify diarrheal severity. <i>Journal of Clinical Investigation</i> , 2018, 128, 3298-3311.	8.2	45
21	Structural analysis and unique molecular recognition properties of a <i>Bauhinia forficata</i> lectin that inhibits cancer cell growth. <i>FEBS Journal</i> , 2017, 284, 429-450.	4.7	26
22	Serum glycan-binding IgG antibodies in HIV-1 infection and during the development of broadly neutralizing responses. <i>Aids</i> , 2017, 31, 2199-2209.	2.2	13
23	Therapeutic Antibodies to Ganglioside GD2 Evolved from Highly Selective Germline Antibodies. <i>Cell Reports</i> , 2017, 20, 1681-1691.	6.4	16
24	GalNAc-Tyrosine Is a Ligand of Plant Lectins, Antibodies, and Human and Murine Macrophage Galactose-Type Lectins. <i>ACS Chemical Biology</i> , 2017, 12, 2172-2182.	3.4	23
25	Development and validation of a Luminex assay for detection of a predictive biomarker for PROSTVAC-VF therapy. <i>PLoS ONE</i> , 2017, 12, e0182739.	2.5	11
26	Factors Affecting Anti-Glycan IgG and IgM Repertoires in Human Serum. <i>Scientific Reports</i> , 2016, 6, 19509.	3.3	53
27	Whole-Cell Cancer Vaccines Induce Large Antibody Responses to Carbohydrates and Glycoproteins. <i>Cell Chemical Biology</i> , 2016, 23, 1515-1525.	5.2	45
28	Perspectives on Anti-Glycan Antibodies Gleaned from Development of a Community Resource Database. <i>ACS Chemical Biology</i> , 2016, 11, 1773-1783.	3.4	110
29	Diverse molecular recognition properties of blood group A binding monoclonal antibodies. <i>Glycobiology</i> , 2016, 26, 443-448.	2.5	21
30	Significant Impact of Immunogen Design on the Diversity of Antibodies Generated by Carbohydrate-Based Anticancer Vaccine. <i>ACS Chemical Biology</i> , 2015, 10, 2364-2372.	3.4	50
31	The Glycan Array Platform as a Tool to Identify Carbohydrate Antigens. <i>Methods in Molecular Biology</i> , 2015, 1331, 27-40.	0.9	21
32	Competition between Serum IgG, IgM, and IgA Anti-Glycan Antibodies. <i>PLoS ONE</i> , 2015, 10, e0119298.	2.5	35
33	ABO blood type correlates with survival on prostate cancer vaccine therapy. <i>Oncotarget</i> , 2015, 6, 32244-32256.	1.8	18
34	Glycan microarrays: Powerful tools for biomarker discovery. <i>Cancer Biomarkers</i> , 2014, 14, 29-41.	1.7	43
35	Humoral response to a viral glycan correlates with survival on PROSTVAC-VF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1749-58.	7.1	41
36	Cross-platform comparison of glycan microarray formats. <i>Glycobiology</i> , 2014, 24, 507-517.	2.5	114

#	ARTICLE	IF	CITATIONS
37	Discovery of sialyl Lewis A and Lewis X modified protein cancer biomarkers using high density antibody arrays. <i>Journal of Proteomics</i> , 2014, 96, 291-299.	2.4	55
38	Serum Antibodies to Blood Group A Predict Survival on PROSTVAC-VF. <i>Clinical Cancer Research</i> , 2013, 19, 1290-1299.	7.0	50
39	Boosting Immunity to Small Tumor-Associated Carbohydrates with Bacteriophage Q β Capsids. <i>ACS Chemical Biology</i> , 2013, 8, 1253-1262.	3.4	81
40	Carbohydrate microarrays. <i>Chemical Society Reviews</i> , 2013, 42, 4310-4326.	38.1	230
41	Sugar-Binding Proteins from Fish: Selection of High Affinity α -Lambodies That Recognize Biomedically Relevant Glycans. <i>ACS Chemical Biology</i> , 2013, 8, 152-160.	3.4	51
42	Recognition of the Thomsen-Friedenreich Pancarcinoma Carbohydrate Antigen by a Lamprey Variable Lymphocyte Receptor. <i>Journal of Biological Chemistry</i> , 2013, 288, 23597-23606.	3.4	37
43	High-Throughput Profiling of Anti-Glycan Humoral Responses to SIV Vaccination and Challenge. <i>PLoS ONE</i> , 2013, 8, e75302.	2.5	11
44	General Procedure for the Synthesis of Neoglycoproteins and Immobilization on Epoxide-Modified Glass Slides. <i>Methods in Molecular Biology</i> , 2012, 808, 155-165.	0.9	21
45	Evaluation of Riproximin Binding Properties Reveals a Novel Mechanism for Cellular Targeting*. <i>Journal of Biological Chemistry</i> , 2012, 287, 35873-35886.	3.4	17
46	Divergent Behavior of Glycosylated Threonine and Serine Derivatives in Solid Phase Peptide Synthesis. <i>Organic Letters</i> , 2012, 14, 3958-3961.	4.6	16
47	Carb loading strategy is spot on. <i>Nature Chemical Biology</i> , 2012, 8, 741-742.	8.0	2
48	Glycan array analysis of the antigen repertoire targeted by tumor-binding antibodies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6839-6843.	2.2	14
49	Tobacco Mosaic Virus as a New Carrier for Tumor Associated Carbohydrate Antigens. <i>Bioconjugate Chemistry</i> , 2012, 23, 1694-1703.	3.6	72
50	Modifications of Glycans: Biological Significance and Therapeutic Opportunities. <i>ACS Chemical Biology</i> , 2012, 7, 31-43.	3.4	110
51	Enhanced Epimerization of Glycosylated Amino Acids During Solid-Phase Peptide Synthesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 6316-6325.	13.7	55
52	Anti-Human Embryonic Stem Cell Monoclonal Antibody Hesca-2 Binds to a Glycan Epitope Commonly Found on Carcinomas. <i>Stem Cells and Development</i> , 2011, 20, 515-525.	2.1	8
53	GalNAc β 1-6Gal, a new prognostic marker for cervical cancer. <i>International Journal of Cancer</i> , 2010, 126, 459-468.	5.1	32
54	Effects of Hapten Density on the Induced Antibody Repertoire. <i>ChemBioChem</i> , 2010, 11, 1686-1691.	2.6	26

#	ARTICLE	IF	CITATIONS
55	Activation of glycosyl trichloroacetimidates with perchloric acid on silica (HClO ₄ •SiO ₂) provides enhanced α -selectivity. <i>Carbohydrate Research</i> , 2010, 345, 2074-2078.	2.3	16
56	Evaluation of human antibody responses to keyhole limpet hemocyanin on a carbohydrate microarray. <i>Proteomics - Clinical Applications</i> , 2010, 4, 285-294.	1.6	20
57	MAb L9E10 to Blood Group H2 Antigen Binds to Colon Cancer Stem Cells and Inhibits Tumor Cell Migration and Invasion. <i>Hybridoma</i> , 2010, 29, 355-359.	0.4	4
58	An Array-Based Method To Identify Multivalent Inhibitors. <i>Journal of the American Chemical Society</i> , 2010, 132, 9653-9662.	13.7	85
59	Biodistribution and Excretion of Monosaccharide-Albumin Conjugates Measured with in Vivo Near-Infrared Fluorescence Imaging. <i>Bioconjugate Chemistry</i> , 2010, 21, 1925-1932.	3.6	21
60	Photo- and Biophysical Studies of Lectin-Conjugated Fluorescent Nanoparticles: Reduced Sensitivity in High Density Assays. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14487-14494.	2.6	13
61	Multidimensional glycan arrays for enhanced antibody profiling. <i>Molecular BioSystems</i> , 2010, 6, 1583.	2.9	39
62	Construction and Use of Glycan Microarrays. <i>Current Protocols in Chemical Biology</i> , 2010, 2, 37-53.	1.7	42
63	Resolving conflicting data on expression of the Tn antigen and implications for clinical trials with cancer vaccines. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 971-979.	4.1	57
64	Glycan arrays: recent advances and future challenges. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 406-413.	6.1	207
65	Profiling Human Serum Antibodies with a Carbohydrate Antigen Microarray. <i>Journal of Proteome Research</i> , 2009, 8, 4301-4310.	3.7	144
66	Microarrays with Varying Carbohydrate Density Reveal Distinct Subpopulations of Serum Antibodies. <i>Journal of Proteome Research</i> , 2009, 8, 3529-3538.	3.7	152
67	A simple strategy for the creation of a recombinant lectin microarray. <i>Molecular BioSystems</i> , 2008, 4, 654.	2.9	77
68	Improved Procedure for Direct Coupling of Carbohydrates to Proteins via Reductive Amination. <i>Bioconjugate Chemistry</i> , 2008, 19, 1485-1490.	3.6	86
69	Supplier-dependent antiglycan monoclonal antibody specificities: Comment on "High-throughput carbohydrate microarray profiling of 27 antibodies demonstrates widespread specificity problems". <i>Glycobiology</i> , 2008, 18, 746-746.	2.5	4
70	High-throughput carbohydrate microarray profiling of 27 antibodies demonstrates widespread specificity problems. <i>Glycobiology</i> , 2007, 17, 17C-23C.	2.5	144
71	Application of carbohydrate array technology to antigen discovery and vaccine development. <i>Expert Review of Vaccines</i> , 2007, 6, 957-969.	4.4	31
72	An armed-disarmed approach for blocking aglycon transfer of thioglycosides. <i>Tetrahedron Letters</i> , 2007, 48, 559-562.	1.4	22

#	ARTICLE	IF	CITATIONS
73	Mechanistic Studies and Methods To Prevent Aglycon Transfer of Thioglycosides. Journal of the American Chemical Society, 2006, 128, 11612-11619.	13.7	137
74	High-Throughput Carbohydrate Microarray Analysis of 24 Lectins. Angewandte Chemie - International Edition, 2006, 45, 3607-3610.	13.8	155
75	Carbohydrate Array Analysis of Anti-Tn Antibodies and Lectins Reveals Unexpected Specificities: Implications for Diagnostic and Vaccine Development. ChemBioChem, 2005, 6, 2229-2241.	2.6	100