

Jacquelyn Gervay-Hague

List of Publications by Citations

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77
papers

2,884
citations

32
h-index

51
g-index

78
ext. papers

3,155
ext. citations

6.6
avg, IF

5.22
L-index

#	Paper	IF	Citations
77	Vinyl sulfones: synthetic preparations and medicinal chemistry applications. <i>Medicinal Research Reviews</i> , 2006 , 26, 793-814	14.4	262
76	Cell wall glycosphingolipids of <i>Sphingomonas paucimobilis</i> are CD1d-specific ligands for NKT cells. <i>European Journal of Immunology</i> , 2005 , 35, 1692-701	6.1	261
75	A nanoengineering approach for investigation and regulation of protein immobilization. <i>ACS Nano</i> , 2008 , 2, 2374-84	16.7	180
74	Type I NKT cells protect (and type II NKT cells suppress) the host's innate antitumor immune response to a B-cell lymphoma. <i>Blood</i> , 2008 , 111, 5637-45	2.2	129
73	Efficient synthesis of alpha-galactosyl ceramide analogues using glycosyl iodide donors. <i>Organic Letters</i> , 2005 , 7, 2063-5	6.2	99
72	Ring substituent effects on biological activity of vinyl sulfones as inhibitors of HIV-1. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 1127-37	3.4	84
71	Efficient, one-pot syntheses of biologically active alpha-linked glycolipids. <i>Chemical Communications</i> , 2007 , 2336-8	5.8	74
70	Efficient route to 2-deoxy beta-O-aryl-d-glycosides via direct displacement of glycosyl iodides. <i>Organic Letters</i> , 2003 , 5, 4219-22	6.2	70
69	Solution- and solid-phase oligosaccharide synthesis using glucosyl iodides: a comparative study. <i>Carbohydrate Research</i> , 2002 , 337, 1953-65	2.9	69
68	Synthesis of Gold Glyconanoparticles and Biological Evaluation of Recombinant Gp120 Interactions. <i>Langmuir</i> , 2003 , 19, 6465-6473	4	65
67	Efficient syntheses of beta-cyanosugars using glycosyl iodides derived from per-O-silylated mono- and disaccharides. <i>Organic Letters</i> , 2001 , 3, 2081-4	6.2	65
66	Virus-induced inhibition of CD1d1-mediated antigen presentation: reciprocal regulation by p38 and ERK. <i>Journal of Immunology</i> , 2005 , 175, 4301-8	5.3	63
65	Solution-phase hexasaccharide synthesis using glucosyl iodides. <i>Organic Letters</i> , 2002 , 4, 2039-42	6.2	57
64	Chemotherapeutic interventions targeting HIV interactions with host-associated carbohydrates. <i>Chemical Reviews</i> , 2007 , 107, 1533-52	68.1	56
63	Mechanistic studies on the stereoselective formation of beta-mannosides from mannosyl iodides using alpha-deuterium kinetic isotope effects. <i>Journal of Organic Chemistry</i> , 2007 , 72, 4663-72	4.2	56
62	Selective acetylation of per-O-TMS-protected monosaccharides. <i>Organic Letters</i> , 2010 , 12, 4312-5	6.2	51
61	Current developments in HIV chemotherapy. <i>ChemMedChem</i> , 2006 , 1, 16-29	3.7	49

60	Synthesis of oligomers derived from amide-linked neuraminic acid analogues. <i>Journal of Organic Chemistry</i> , 2004 , 69, 1001-9	4.2	49
59	Quantitative measurements of recombinant HIV surface glycoprotein 120 binding to several glycosphingolipids expressed in planar supported lipid bilayers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 968-77	16.4	48
58	Synthesis and biological evaluation of geminal disulfones as HIV-1 integrase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 4526-34	8.3	47
57	One-pot syntheses of immunostimulatory glycolipids. <i>Journal of Organic Chemistry</i> , 2010 , 75, 4891-8	4.2	44
56	Efficient synthesis of a C-analogue of the immunogenic bacterial glycolipid BbGL2. <i>Organic Letters</i> , 2006 , 8, 5765-8	6.2	44
55	Taming the Reactivity of Glycosyl Iodides To Achieve Stereoselective Glycosidation. <i>Accounts of Chemical Research</i> , 2016 , 49, 35-47	24.3	41
54	Inhibition of antitumor immunity by invariant natural killer T cells in a T-cell lymphoma model in vivo. <i>International Journal of Cancer</i> , 2006 , 118, 3045-53	7.5	41
53	Construction of di-scFv through a trivalent alkyne-azide 1,3-dipolar cycloaddition. <i>Chemical Communications</i> , 2007 , 695-7	5.8	40
52	Two-step synthesis of the immunogenic bacterial glycolipid BbGL1. <i>Organic Letters</i> , 2008 , 10, 4739-42	6.2	39
51	Synthesis of C-4 and C-7 triazole analogs of zanamivir as multivalent sialic acid containing scaffolds. <i>Carbohydrate Research</i> , 2007 , 342, 1636-50	2.9	39
50	Inhibition of CD1d1-mediated antigen presentation by the vaccinia virus B1R and H5R molecules. <i>European Journal of Immunology</i> , 2006 , 36, 2595-600	6.1	39
49	Unique reactions of glycosyl iodides with oxa- and thiocycloalkane acceptors. <i>Organic Letters</i> , 2004 , 6, 973-5	6.2	37
48	Efficient synthesis of Man2, Man3, and Man5 oligosaccharides, using mannosyl iodide donors. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8772-9	4.2	36
47	CD44 differentially activates mouse NK T cells and conventional T cells. <i>Journal of Immunology</i> , 2006 , 177, 268-79	5.3	34
46	A topologically segregated one-bead-one-compound combinatorial glycopeptide library for identification of lectin ligands. <i>ACS Combinatorial Science</i> , 2005 , 7, 372-84		33
45	General methods for the synthesis of glycopyranosyluronic acid azides. <i>Carbohydrate Research</i> , 2003 , 338, 835-41	2.9	31
44	Examining the secondary structures of unnatural peptides and carbohydrate-based compounds utilizing circular dichroism. <i>Tetrahedron: Asymmetry</i> , 2000 , 11, 337-362		29
43	Synthesis and structural characterization of sialic acid-glutamic acid hybrid foldamers as conformational surrogates of alpha-2,8-linked polysialic acid. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5495-505	16.4	26

42	A threonine-based targeting signal in the human CD1d cytoplasmic tail controls its functional expression. <i>Journal of Immunology</i> , 2010 , 184, 4973-81	5.3	25
41	Synthesis of biotinylated glycoconjugates and their use in a novel ELISA for direct comparison of HIV-1 Gp120 recognition of GalCer and related carbohydrate analogues. <i>Bioconjugate Chemistry</i> , 1999 , 10, 1021-31	6.3	24
40	Regioselective silyl/acetate exchange of disaccharides yields advanced glycosyl donor and acceptor precursors. <i>Journal of Organic Chemistry</i> , 2013 , 78, 9677-88	4.2	23
39	Chemoenzymatic synthesis of cholesteryl-6-O-tetradecanoyl- β -D-glucopyranoside: a product of host cholesterol efflux promoted by <i>Helicobacter pylori</i> . <i>Chemical Communications</i> , 2012 , 48, 9083-5	5.8	22
38	Glycal scavenging in the synthesis of disaccharides using mannosyl iodide donors. <i>Journal of Organic Chemistry</i> , 2005 , 70, 2387-90	4.2	22
37	Synthesis of a trimeric gp120 epitope mimic conjugated to a T-helper peptide to improve antigenicity. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3230-3	16.4	21
36	Synthesis of N-(fluoren-9-ylmethoxycarbonyl)glycopyranosylamine uronic acids. <i>Carbohydrate Research</i> , 2004 , 339, 367-75	2.9	19
35	Thermal effect in β -selective glycosylation reactions using glycosyl iodides. <i>Tetrahedron Letters</i> , 2005 , 46, 6727-6728	2	19
34	Statins impair CD1d-mediated antigen presentation through the inhibition of prenylation. <i>Journal of Immunology</i> , 2009 , 182, 4744-50	5.3	18
33	PYRANOSYL SUGAR AMINO ACID CONJUGATES: THEIR BIOLOGICAL ORIGINS, SYNTHETIC PREPARATIONS, AND STRUCTURAL CHARACTERIZATION. <i>Journal of Carbohydrate Chemistry</i> , 2002 , 21, 867-910	1.7	18
32	Synthesis of β -galactosyl D- and L-alanines. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 8132-9	3.9	17
31	Efficient method for the preparation of peracetylated Neu5Ac2en by flash vacuum pyrolysis. <i>Journal of Organic Chemistry</i> , 2009 , 74, 4357-9	4.2	16
30	Tandem glycosyl iodide glycosylation and regioselective enzymatic acylation affords 6-O-tetradecanoyl- β -D-cholesteryl glycosides. <i>Journal of Organic Chemistry</i> , 2014 , 79, 8447-52	4.2	15
29	Protein kinase C delta is a critical regulator of CD1d-mediated antigen presentation. <i>European Journal of Immunology</i> , 2007 , 37, 2390-5	6.1	15
28	Integrating ReSET with glycosyl iodide glycosylation in step-economy syntheses of tumor-associated carbohydrate antigens and immunogenic glycolipids. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1736-48	4.2	14
27	Synthesis of partially O-acetylated N-acetylneuraminic acid using regioselective silyl exchange technology. <i>Organic Letters</i> , 2014 , 16, 5044-7	6.2	14
26	Metabolic labelling of cholesteryl glucosides in reveals how the uptake of human lipids enhances bacterial virulence. <i>Chemical Science</i> , 2016 , 7, 6208-6216	9.4	14
25	Synthesis and structural characterization of three unique <i>Helicobacter pylori</i> β -cholesteryl phosphatidyl glucosides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13400-3	16.4	13

24	Cholesteryl β -D-glucoside 6-acyltransferase enhances the adhesion of Helicobacter pylori to gastric epithelium. <i>Communications Biology</i> , 2020 , 3, 120	6.7	12
23	Two-step functionalization of oligosaccharides using glycosyl iodide and trimethylene oxide and its applications to multivalent glycoconjugates. <i>Chemistry - A European Journal</i> , 2014 , 20, 6444-54	4.8	12
22	Non-natural glycosphingolipids and structurally simpler analogues bind HIV-1 recombinant Gp120. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 625-37	3.4	12
21	One-bead-one-inhibitor-one-substrate screening of neuraminidase activity. <i>ChemBioChem</i> , 2005 , 6, 1857-65	3.65	12
20	A novel reagent for the synthesis of geminal di-sulfones. <i>Tetrahedron Letters</i> , 2001 , 42, 5137-5140	2	12
19	Synthesis of novel glycolipids that bind HIV-1 Gp120. <i>Bioconjugate Chemistry</i> , 2002 , 13, 143-9	6.3	11
18	Glycoside Synthesis from Anomeric Halides	29-93	10
17	Investigation into an efficient synthesis of 2,3-dehydro-N-acetyl neuraminic acid leads to three decarboxylated sialic acid dimers. <i>Carbohydrate Research</i> , 2008 , 343, 936-40	2.9	10
16	A general chemical synthesis platform for crosslinking multivalent single chain variable fragments. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 1521-6	3.9	9
15	A Thr/Ser dual residue motif in the cytoplasmic tail of human CD1d is important for the down-regulation of antigen presentation following a herpes simplex virus 1 infection. <i>Immunology</i> , 2013 , 140, 191-201	7.8	9
14	The remarkable stability of chimeric, sialic acid-derived alpha/delta-peptides in human blood plasma. <i>Chemical Biology and Drug Design</i> , 2010 , 75, 455-60	2.9	9
13	Synthesis of sulfone-based nucleotide isosteres: identification of CMP-sialic acid synthetase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 27-9	3.9	7
12	Correlation of biological activity with active site binding modes of geminal disulfone HIV-1 integrase inhibitors. <i>ChemMedChem</i> , 2006 , 1, 959-64	3.7	7
11	Direct inactivation of human immunodeficiency virus type 1 by a novel small-molecule entry inhibitor, DCM205. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 1780-6	5.9	7
10	Anomeric α -Functionalization of Carbohydrates for Chemical Conjugation to Vaccine Constructs. <i>Molecules</i> , 2018 , 23,	4.8	7
9	Chemoenzymatic Synthesis of GDP-L-Fucose Derivatives as Potent and Selective β 1,3-Fucosyltransferase Inhibitors. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1750-1758	5.6	6
8	Synthesis of cholesteryl β -D-lactoside via generation and trapping of a stable β -lactosyl iodide. <i>Tetrahedron Letters</i> , 2015 , 56, 3690-3694	2	4
7	The Observation of the C-H \cdots O Hydrogen Bond in Trisialic Acid Lactone and Its Implications for Cooperative Lactonization. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 3351-3356	3.2	4

6	Apoptosis-induced inhibition of CD1d-mediated antigen presentation: different roles for caspases and signal transduction pathways. <i>Immunology</i> , 2008 , 125, 80-90	7.8	4
5	Synthesis and Structural Characterization of Three Unique Helicobacter pylori β -Cholesteryl Phosphatidyl Glucosides. <i>Angewandte Chemie</i> , 2014 , 126, 13618-13621	3.6	2
4	Step-economy synthesis of β -steryl sialosides using a sialyl iodide donor. <i>Journal of Antibiotics</i> , 2019 , 72, 449-460	3.7	1
3	β -Lactosylceramide Protects Against iNKT-Mediated Murine Airway Hyperreactivity and Liver Injury Through Competitive Inhibition of Cd1d Binding. <i>Frontiers in Chemistry</i> , 2019 , 7, 811	5	1
2	GLYCOCHEMISTRY 2016 , 1-34		
1	Optical imaging of molecular targets of phytoagent deoxyelephantopin against mammary adenocarcinoma cell activities. <i>FASEB Journal</i> , 2013 , 27, 663.1	0.9	