Daniel Varon Silva

List of Publications by Year
in descending order

43 papers	1,474 citations	331259 21 h-index	329751 37 g-index
53 all docs	53 docs citations	53 times ranked	1912 citing authors

#	Article	IF	Citations
1	Semisynthesis of a Homogeneous Glycoprotein Enzyme: Ribonucleaseâ€…C: Partâ€…2. Angewandte Chemie - International Edition, 2009, 48, 1941-1945.	7.2	130
2	Quantitative mapping of glycoprotein microâ€heterogeneity and macroâ€heterogeneity: an evaluation of mass spectrometry signal strengths using synthetic peptides and glycopeptides. Journal of Mass Spectrometry, 2013, 48, 627-639.	0.7	130
3	The Art of Destruction: Optimizing Collision Energies in Quadrupole-Time of Flight (Q-TOF) Instruments for Glycopeptide-Based Glycoproteomics. Journal of the American Society for Mass Spectrometry, 2016, 27, 507-519.	1.2	109
4	Recent advances in carbohydrate-based vaccines. Current Opinion in Chemical Biology, 2009, 13, 354-359.	2.8	98
5	Distinguishing N-acetylneuraminic acid linkage isomers on glycopeptides by ion mobility-mass spectrometry. Chemical Communications, 2016, 52, 4381-4384.	2.2	91
6	Semisynthesis of a Homogeneous Glycoprotein Enzyme: Ribonucleaseâ€…C: Partâ€…1. Angewandte Chemie - International Edition, 2009, 48, 1936-1940.	7.2	79
7	COPII Coat Composition Is Actively Regulated by Luminal Cargo Maturation. Current Biology, 2015, 25, 152-162.	1.8	62
8	A general and convergent synthesis of diverse glycosylphosphatidylinositol glycolipids. Chemical Science, 2013, 4, 468-481.	3.7	43
9	Fragment Condensation of Câ€Terminal Pseudoproline Peptides without Racemization on the Solid Phase. Angewandte Chemie - International Edition, 2011, 50, 6406-6410.	7.2	39
10	Mechanical Compressibility of the Glycosylphosphatidylinositol (GPI) Anchor Backbone Governed by Independent Glycosidic Linkages. Journal of the American Chemical Society, 2012, 134, 18964-18972.	6.6	39
11	A General Method for Synthesis of GPI Anchors Illustrated by the Total Synthesis of the Lowâ€Molecularâ€Weight Antigen from Toxoplasma gondii. Angewandte Chemie - International Edition, 2011, 50, 9961-9964.	7.2	38
12	Subgel Phase Structure in Monolayers of Glycosylphosphatidylinositol Glycolipids. Angewandte Chemie - International Edition, 2012, 51, 12874-12878.	7.2	37
13	Molecular Recognition of Complex-Type Biantennary N-Glycans by Protein Receptors: a Three-Dimensional View on Epitope Selection by NMR. Journal of the American Chemical Society, 2013, 135, 2667-2675.	6.6	37
14	Highly modified and immunoactive N-glycans of the canine heartworm. Nature Communications, 2019, 10, 75.	5.8	36
15	High Affinity Interaction between a Bivalve C-type Lectin and a Biantennary Complex-type N-Glycan Revealed by Crystallography and Microcalorimetry. Journal of Biological Chemistry, 2008, 283, 30112-30120.	1.6	35
16	Î³Î´-T cells promote IFN-Î³â€“dependentPlasmodiumpathogenesis upon liver-stage infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9979-9988.	3.3	34
17	¹⁹F NMR-Guided Design of Glycomimetic Langerin Ligands. ACS Chemical Biology, 2016, 11, 2407-2413.	1.6	33
18	Diagnosis of Toxoplasmosis Using a Synthetic Glycosylphosphatidylinositol Glycan. Angewandte Chemie - International Edition, 2014, 53, 13701-13705.	7.2	32

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19	Glycan size and attachment site location affect electron transfer dissociation (ETD) fragmentation and automated glycopeptide identification. Glycoconjugate Journal, 2019, 36, 487-493.	1.4	23
20	Double dimer peptide constructs are immunogenic and protective against Plasmodium falciparum in the experimental Aotus monkey model. Chemical Biology and Drug Design, 2002, 59, 62-70.	1.2	22
21	A Glycan Arrayâ€Based Assay for the Identification and Characterization of Plant Glycosyltransferases. Angewandte Chemie - International Edition, 2020, 59, 12493-12498.	7.2	22
22	Structural base for the transfer of GPI-anchored glycoproteins into fungal cell walls. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22061-22067.	3.3	21
23	Defining the Interaction of Human Soluble Lectin ZG16p and Mycobacterial Phosphatidylinositol Mannosides. ChemBioChem, 2015, 16, 1502-1511.	1.3	20
24	Structural determinants of coiled coil mechanics. Physical Chemistry Chemical Physics, 2019, 21, 9145-9149.	1.3	20
25	Synthesis of glycosylphosphatidylinositol (GPI)-anchor glycolipids bearing unsaturated lipids. Chemical Communications, 2016, 52, 1586-1589.	2.2	18
26	Investigation of the protective properties of glycosylphosphatidylinositol-based vaccine candidates in aToxoplasma gondiimouse challenge model. Glycobiology, 2015, 25, 984-991.	1.3	17
27	Phosphoglycan-sensitized platform for specific detection of anti-glycan IgG and IgM antibodies in serum. Talanta, 2020, 217, 121117.	2.9	16
28	Semisynthesis of Functional Glycosylphosphatidylinositolâ€Anchored Proteins. Angewandte Chemie - International Edition, 2020, 59, 12035-12040.	7.2	15
29	Rescue of Glycosylphosphatidylinositol-Anchored Protein Biosynthesis Using Synthetic Glycosylphosphatidylinositol Oligosaccharides. ACS Chemical Biology, 2021, 16, 2297-2306.	1.6	13
30	Protein-observed 19F NMR of LecA from Pseudomonas aeruginosa. Glycobiology, 2021, 31, 159-165.	1.3	12
31	Glycosylphosphatidylinositols of Protozoan Parasites. Trends in Glycoscience and Glycotechnology, 2012, 24, 231-243.	0.0	11
32	Synthesis of Galactosylated Glycosylphosphatidylinositol Derivatives from Trypanosoma brucei. Chemistry - A European Journal, 2018, 24, 3271-3282.	1.7	9
33	Detection of Anti-Toxoplasma gondii Antibodies in Human Sera Using Synthetic Glycosylphosphatidylinositol Glycans on a Bead-Based Multiplex Assay. Analytical Chemistry, 2019, 91, 11215-11222.	3.2	9
34	Immunological Evaluation of Synthetic Glycosylphosphatidylinositol Glycoconjugates as Vaccine Candidates against Malaria. ACS Chemical Biology, 2020, 15, 171-178.	1.6	9
35	A comparative structural study in monolayers of GPI fragments and their binary mixtures. Physical Chemistry Chemical Physics, 2014, 16, 9259-9265.	1.3	7
36	Versatility of a Glycosylphosphatidylinositol Fragment in Forming Highly Ordered Polymorphs. Langmuir, 2014, 30, 5185-5192.	1.6	6

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37	Synthetic phosphoethanolamine-modified oligosaccharides reveal the importance of glycan length and substitution in biofilm-inspired assemblies. Nature Communications, 2022, 13, .	5.8	5
38	Advances in the Chemical Synthesis of Carbohydrates and Glycoconjugates. Advances in Biochemical Engineering/Biotechnology, 2020, 175, 201-230.	0.6	4
39	Semisynthesis of Functional Glycosylphosphatidylinositolâ€Anchored Proteins. Angewandte Chemie, 2020, 132, 12133-12138.	1.6	2
40	Zwitterionic Character and Lipid Composition Determine the Behaviour of Glycosylphosphatidylinositol Fragments in Monolayers. ChemPhysChem, 2021, 22, 757-763.	1.0	1
41	Chapter 11 GPIâ€Based Malarial Vaccine. The Enzymes, 2009, 26, 229-245.	0.7	0
42	Zwischen Protein und Membran. Nachrichten Aus Der Chemie, 2013, 61, 882-886.	0.0	0
43	Glycosylphosphatidylinositols: Occurrence, Synthesis, and Properties. , 2016, , .		0