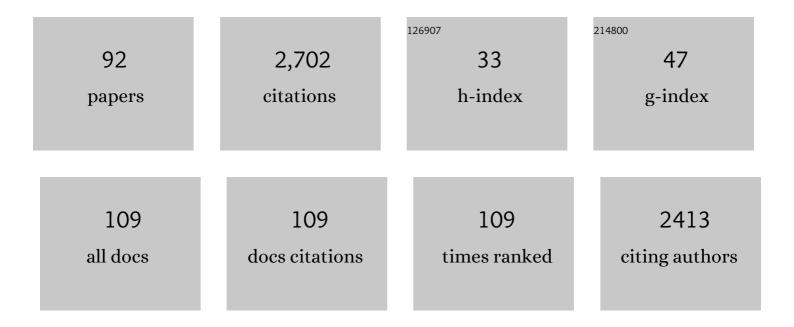
## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Recent advances on smart glycoconjugate vaccines in infections and cancer. FEBS Journal, 2022, 289, 4251-4303.	4.7	39
2	Conjugation Techniques and Linker Strategies for Carbohydrate-Based Vaccines. , 2021, , 676-705.		2
3	Combining cross-coupling reaction and Knoevenagel condensation in the synthesis of glyco-BODIPY probes for DC-SIGN super-resolution bioimaging. Bioorganic Chemistry, 2021, 109, 104730.	4.1	10
4	Emerging glycoâ€based strategies to steer immune responses. FEBS Journal, 2021, 288, 4746-4772.	4.7	22
5	Glycan Array Evaluation of Synthetic Epitopes between the Capsular Polysaccharides from <i>Streptococcus pneumoniae</i> 19F and 19A. ACS Chemical Biology, 2021, 16, 1671-1679.	3.4	8
6	Immunobiology of Carbohydrates: Implications for Novel Vaccine and Adjuvant Design Against Infectious Diseases. Frontiers in Cellular and Infection Microbiology, 2021, 11, 808005.	3.9	10
7	A stabilized glycomimetic conjugate vaccine inducing protective antibodies against Neisseria meningitidis serogroup A. Nature Communications, 2020, 11, 4434.	12.8	18
8	Gold nanoparticles morphology does not affect the multivalent presentation and antibody recognition of Group A Streptococcus synthetic oligorhamnans. Bioorganic Chemistry, 2020, 99, 103815.	4.1	24
9	Gold nanoparticle-based platforms for vaccine development. Drug Discovery Today: Technologies, 2020, 38, 57-67.	4.0	46
10	Iron and Ruthenium Glycoporphyrins: Active Catalysts for the Synthesis of Cyclopropanes and Aziridines. European Journal of Inorganic Chemistry, 2019, 2019, 4412-4420.	2.0	10
11	Combined Chemical Synthesis and Tailored Enzymatic Elongation Provide Fully Synthetic and Conjugation-Ready <i>Neisseria meningitidis</i> Serogroup X Vaccine Antigens. ACS Chemical Biology, 2018, 13, 984-994.	3.4	31
12	Synthesis and biological evaluation of a trisaccharide repeating unit derivative of Streptococcus pneumoniae 19A capsular polysaccharide. Bioorganic and Medicinal Chemistry, 2018, 26, 5682-5690.	3.0	16
13	The Conformation of the Mannopyranosyl Phosphate Repeating Unit of the Capsular Polysaccharide of <i>Neisseria meningitidis</i> Serogroup A and Its Carbaâ€Mimetic. European Journal of Organic Chemistry, 2018, 2018, 4548-4555.	2.4	19
14	Recent Advances in the Synthesis of Glycoconjugates for Vaccine Development. Molecules, 2018, 23, 1712.	3.8	71
15	Impact of ConcanavalinA affinity in the intracellular fate of Protein Corona on Glucosamine Au nanoparticles. Scientific Reports, 2018, 8, 9046.	3.3	10
16	Fluidic Manufacture of Star‧haped Gold Nanoparticles. Chemistry - A European Journal, 2017, 23, 9732-9735.	3.3	26
17	Preparation and immunogenicity of gold glyco-nanoparticles as antipneumococcal vaccine model. Nanomedicine, 2017, 12, 13-23.	3.3	66
18	Glycoporphyrin Catalysts for Efficient C–H Bond Aminations by Organic Azides. Organometallics, 2015, 34, 3774-3781.	2.3	30

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19	A Synthetic Disaccharide Analogue from <i>Neisseria meningitidis</i> A Capsular Polysaccharide Stimulates Immune Cell Responses and Induces Immunoglobulin G (IgG) Production in Mice When Protein-Conjugated. ACS Infectious Diseases, 2015, 1, 487-496.	3.8	21
20	Synthesis of di- and tri-saccharide fragments of Salmonella typhi Vi capsular polysaccharide and their zwitterionic analogues. Bioorganic and Medicinal Chemistry, 2015, 23, 7439-7447.	3.0	11
21	Major Advances in the Development of Synthetic Oligosaccharide-Based Vaccines. , 2015, , 2065-2116.		0
22	Synthesis and immunological evaluation of protein conjugates of <i>Neisseria meningitidis</i> X capsular polysaccharide fragments. Beilstein Journal of Organic Chemistry, 2014, 10, 2367-2376.	2.2	31
23	Exploring Glycosylation Reactions under Continuous-Flow Conditions. Synlett, 2014, 25, 2873-2878.	1.8	25
24	A Strategy for Multivalent Presentation of Carba Analogues from <i>N. meningitidis</i> A Capsular Polysaccharide. European Journal of Organic Chemistry, 2014, 2014, 5915-5924.	2.4	10
25	Major Advances in the Development of Synthetic -Based. , 2014, , 1-45.		0
26	Factors affecting T cell responses induced by fully synthetic glyco-gold-nanoparticles. Nanoscale, 2013, 5, 390-400.	5.6	48
27	Synthesis of a Structural Analogue of the Repeating Unit from <i>Streptococcus pneumoniae</i> 19F Capsular Polysaccharide Based on the Cross-Metathesis–Selenocyclization Reaction Sequence. Journal of Organic Chemistry, 2013, 78, 5172-5183.	3.2	10
28	Immunoactivity of Protein Conjugates of Carba Analogues fromNeisseria meningitidisA Capsular Polysaccharide. ACS Chemical Biology, 2013, 8, 2561-2567.	3.4	35
29	Synthesis of Neisseria meningitidis X capsular polysaccharide fragments. Arkivoc, 2013, 2013, 166-184.	0.5	4
30	Synthesis and preliminary biological evaluation of carba analogues from Neisseria meningitidis A capsular polysaccharide. Organic and Biomolecular Chemistry, 2012, 10, 6673.	2.8	35
31	Synthesis of Staphylococcus aureus type 5 capsular polysaccharide repeating unit using novel I-FucNAc and d-FucNAc synthons and immunochemical evaluation. Bioorganic and Medicinal Chemistry, 2012, 20, 6403-6415.	3.0	34
32	Phosphorylation of the Synthetic Hexasaccharide Repeating Unit Is Essential for the Induction of Antibodies to <i>Clostridium difficile</i> PSII Cell Wall Polysaccharide. ACS Chemical Biology, 2012, 7, 1420-1428.	3.4	73
33	First Synthesis of <i>C. difficile</i> PS-II Cell Wall Polysaccharide Repeating Unit. Organic Letters, 2011, 13, 378-381.	4.6	37
34	Novel carbohydrate-based bifunctional organocatalysts for nucleophilic addition to nitroolefins and imines. Organic and Biomolecular Chemistry, 2011, 9, 3295.	2.8	32
35	Carbohydrates and Immunology: Synthetic Oligosaccharide Antigens for Vaccine Formulation. European Journal of Organic Chemistry, 2011, 2011, 5723-5777.	2.4	133
36	Modeling of synthetic phosphono and carba analogues of N-acetyl-α-d-mannosamine 1-phosphate, the repeating unit of the capsular polysaccharide from Neisseria meningitidis serovar A. Organic and Biomolecular Chemistry, 2009, 7, 3734.	2.8	19

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37	Synthesis, molecular dynamics simulations, and biology of a carba-analogue of the trisaccharide repeating unit of Streptococcus pneumoniae 19F capsular polysaccharide. Organic and Biomolecular Chemistry, 2009, 7, 4428.	2.8	24
38	Exploiting the cross-metathesis reaction in the synthesis of pseudo-oligosaccharides. Organic and Biomolecular Chemistry, 2009, 7, 2635.	2.8	11
39	Multivalent, Saccharideâ€Functionalized Gold Nanoparticles as Fully Synthetic Analogs of Type A <i>Neisseria meningitidis</i> Antigens. Advanced Materials, 2008, 20, 4348-4352.	21.0	52
40	Expeditious Synthesis of Water-Soluble, Monolayer-Protected Gold Nanoparticles of Controlled Size and Monolayer Composition. Langmuir, 2008, 24, 4120-4124.	3.5	68
41	HRMAS NMR analysis in neat ionic liquids: a powerful tool to investigate complex organic molecules and monitor chemical reactions. Green Chemistry, 2007, 9, 216.	9.0	17
42	AmphiphilicN-Glycosyl-thiocarbamoyl Cyclodextrins:Â Synthesis, Self-Assembly, and Fluorimetry of Recognition byLens culinarisLectin. Biomacromolecules, 2007, 8, 1851-1857.	5.4	50
43	Glucose-derived ionic liquids: exploring low-cost sources for novel chiral solvents. Green Chemistry, 2007, 9, 337.	9.0	78
44	Synthesis and Biological Evaluation of Phosphono Analogues of Capsular Polysaccharide Fragments fromNeisseria meningitidisâ€A. Chemistry - A European Journal, 2007, 13, 6623-6635.	3.3	46
45	Simple Synthesis of Versatile Coumarin Scaffolds. Synthetic Communications, 2006, 36, 2203-2209.	2.1	18
46	Probing specific protein recognition by size-controlled glycosylated cyclodextrin nanoassemblies. New Journal of Chemistry, 2006, 30, 1662.	2.8	40
47	NMR evidence for the participation of triflated ionic liquids in glycosylation reaction mechanisms. Carbohydrate Research, 2006, 341, 903-908.	2.3	40
48	Cyclodextrin nanoaggregates and their assembly with protein: a spectroscopic investigation. Nanotechnology, 2006, 17, 3239-3244.	2.6	18
49	(α-L-Rhamnopyranosyl)methylphosphonic Acids: Experimental Evidence of the Analogy with α-L-Rhamnopyranosyl Phosphate. European Journal of Organic Chemistry, 2005, 2005, 4459-4463.	2.4	3
50	Synthesis of the Phosphono Analogue of the Dimeric Subunit ofNeisseria ÂmeningitidisType A Capsular Polysaccharide. Synlett, 2005, 2005, 1147-1151.	1.8	1
51	Glycosylation with Trichloroacetimidates in Ionic Liquids:Â Influence of the Reaction Medium on the Stereochemical Outcome. Journal of Organic Chemistry, 2005, 70, 7765-7768.	3.2	68
52	Efficient Synthesis ofO-,S-,N- andC-Glycosides of 2-Amino-2-Deoxy-d-Glucopyranose from Glycosyl Iodides. Synlett, 2004, 2004, 0341-0343.	1.8	1
53	Efficient Synthesis of Unsymmetrical Ureido-Linked Disaccharides. European Journal of Organic Chemistry, 2004, 2004, 395-405.	2.4	41
54	Solution Synthesis of Two Orthogonally Protected Lactosides as Tetravalent Disaccharide-Based Scaffolds. European Journal of Organic Chemistry, 2004, 2004, 2853-2862.	2.4	6

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55	Lipase-Catalysed Regioselective Acylations in Combination with Regioselective Glycosylations as a Strategy for the Synthesis of Oligosaccharides: Synthesis of a Series of Fucosyllactose Building Blocks. European Journal of Organic Chemistry, 2003, 2003, 1672-1680.	2.4	8
56	Chemical Contributions to Understanding Heparin Activity: Synthesis of Related Sulfated Oligosaccharides. European Journal of Organic Chemistry, 2003, 2003, 2999-3024.	2.4	77
57	Chemical Contributions to Understanding Heparin Activity: Synthesis of Related Sulfated Oligosaccharides. ChemInform, 2003, 34, no.	0.0	0
58	Trichloroacetimidates as Glycosyl Donors in Recyclable Ionic Liquids. Synlett, 2003, 2003, 2297-2300.	1.8	32
59	Minimal Heparin/Heparan Sulfate Sequences for Binding to Fibroblast Growth Factor-1. Biochemical and Biophysical Research Communications, 2002, 292, 222-230.	2.1	52
60	Synthesis of phosphorylated fragments of Streptococcus pneumoniae type 19F capsular polysaccharide. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2174-2181.	1.3	10
61	Synthesis of building blocks of human milk oligosaccharides. Fucosylated derivatives of the lacto- and neolacto-series. Carbohydrate Research, 2002, 337, 1333-1342.	2.3	24
62	Human milk oligosaccharides: an enzymatic protection step simplifies the synthesis of 3′- and 6′-O-sialyllactose and their analogues. Carbohydrate Research, 2002, 337, 473-483.	2.3	15
63	IMPROVEMENT ON LIPASE CATALYSED REGIOSELECTIVE O-ACYLATION OF LACTOSE:A CONVENIENT RUOTE TO 2â€2-O- FUCOSYLLACTOSE1. Journal of Carbohydrate Chemistry, 2001, 20, 761-765.	1.1	10
64	A Rational Approach to Heparin-Related Fragments â^' Synthesis of Differently Sulfated Tetrasaccharides as Potential Ligands for Fibroblast Growth Factors. European Journal of Organic Chemistry, 2001, 2001, 2727-2734.	2.4	37
65	Improvement of the Synthesis of Immunological Carbohydrate Vaccines Containing the Tumour Associate Antigen CaMBr1. European Journal of Organic Chemistry, 2001, 2001, 4331.	2.4	4
66	A CONVENIENT MULTIGRAM PREPARATION OF FUNCTIONALIZED 2-AZIDO-2-DEOXY-D-MANNOSE AS A USEFUL ORTHOGONALLY PROTECTED BUILDING BLOCK FOR OLIGOSACCHARIDE SYNTHESIS. Journal of Carbohydrate Chemistry, 2001, 20, 813-819.	1.1	14
67	Boranophosphate Diesters as Stable Synthetic Analogues of 1-O-Glycosylphosphates. Tetrahedron, 2000, 56, 4811-4815.	1.9	18
68	Regioselective lipase acylation as a useful tool for separation and selective protection of β-d-Gal(1→4)-d-GlcNAc and β-d-Gal(1→3)-d-GlcNAc disaccharides. Tetrahedron: Asymmetry, 2000, 11, 3647-36	51: <sup>8</sup>	12
69	Stereoselective synthesis of α-C-glycosides of N-acetylgalactosamine. Tetrahedron: Asymmetry, 2000, 11, 295-303.	1.8	27
70	Easy Chemo-Enzymatic Synthesis of Human Milk Trisaccharides from a Common Selectively Protected Lactose Building Block. Journal of Carbohydrate Chemistry, 2000, 19, 331-343.	1.1	10
71	Synthesis of carboranyl derivatives of alkynyl glycosides as potential BNCT agents. Tetrahedron, 1999, 55, 14123-14136.	1.9	78
72	Synthesis of disaccharidic sub-units of a new series of heparin related oligosaccharides. Tetrahedron, 1999, 55, 9867-9880.	1.9	33

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73	Conversion of Lactose into Mimics ofN-Acetyllactosamine. European Journal of Organic Chemistry, 1999, 3437-3440.	2.4	6
74	Synthesis of N -acetylglucosamine containing Lewis A and Lewis X building blocks based on N -tetrachlorophthaloyl protection—synthesis of Lewis X pentasaccharide. Carbohydrate Research, 1998, 310, 157-171.	2.3	39
75	Capsular polysaccharide of Streptococcus pneumoniae type 19F: synthesis of the repeating unit. Carbohydrate Research, 1998, 311, 171-181.	2.3	57
76	Synthesis of Lewis a and Lewis X Pentasaccharides Based on N-Trichloroethoxycarbonyl Protection. Journal of Carbohydrate Chemistry, 1998, 17, 739-758.	1.1	28
77	Synthetic Approach to Kdo Glycosides Via Exo-Glycal Epoxides and Rationalization of the Stereo Chemical Outcome. Journal of Carbohydrate Chemistry, 1998, 17, 1269-1281.	1.1	9
78	Stereoselective synthesis of the C-analogue of β-d-glucopyranosyl serine. Chemical Communications, 1997, , 1469-1470.	4.1	40
79	New and Easy Access to C-Glycosides of Glucosamine and Mannosamine. Journal of Organic Chemistry, 1997, 62, 6678-6681.	3.2	85
80	A simple access to lactose-derived building blocks required in glycoconjugate synthesis. Carbohydrate Research, 1997, 303, 39-49.	2.3	19
81	Stereoselective Synthesis of the Isosteric Phosphono Analogues ofN-Acetyl-α-d-glucosamine 1-Phosphate andN-Acetyl-α-d-mannosamine 1-Phosphate. Journal of Organic Chemistry, 1996, 61, 3428-3432.	3.2	49
82	Regioselective acylation of disaccharides by enzymatic transesterification. Carbohydrate Research, 1996, 291, 197-204.	2.3	26
83	Synthesis of the disaccharides methyl 4-O-(2?/3?-O-sulfo-?-d-glucopyranosyluronic) Tj ETQq1 1 0.784314 rgBT /O Glycoconjugate Journal, 1996, 13, 995-1003.	verlock 10 2.7	) Tf 50 347 T 3
84	Synthesis of azasugars by Grignard reaction on glycosylamines. Tetrahedron, 1995, 51, 4679-4690.	1.9	62
85	Identification of O-sulphate substituents on D-glucuronic acid units in heparin-related glycosaminoglycans using novel synthetic disaccharide standards. Glycobiology, 1995, 5, 807-811.	2.5	14
86	First synthesis of the phosphono analogue of N-acetyl-α-D-mannosamine 1-phosphate. Journal of the Chemical Society Chemical Communications, 1995, , 1993-1994.	2.0	9
87	Glycosyl sulfates as glycosyl donors. Tetrahedron Letters, 1994, 35, 8669-8670.	1.4	12
88	Synthesis of 3- and 4-deoxy derivatives of l-rhamnose from 1,2-O-(1-methoxyethylidene)-β-l-rhamnopyranose. Carbohydrate Research, 1994, 257, 317-322.	2.3	7
89	Oligosaccharides Related to Tumor-Associate Antigens. Part 2. Conformational analysis of the trisaccharide ?-L-Fucp-(1?2)-?-D-Galp-(1?3)-?-D-GalpNAc, epitope structure recognized by the MBr1 antibody. Helvetica Chimica Acta, 1994, 77, 668-678.	1.6	11
90	Synthesis of antimetabolites of sucrose. Journal of the Chemical Society Perkin Transactions 1, 1994, , 333.	0.9	12

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91	A new procedure for the synthesis of azasugars. Tetrahedron Letters, 1993, 34, 4555-4558.	1.4	48
92	Synthesis of C-disaccharides through dimerization of exo-glycals. Journal of Organic Chemistry, 1992, 57, 1304-1306.	3.2	48