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A Stereoelectronic Model To Explain the Highly Stereoselective Reactions of Nucleophiles with Five-Membered-Ring Oxocarbenium Ions

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201	Highly 1,2-trans Stereoselective Allylations of 1,2-O-Isopropylidene-Protected Glycofuranosides. 2000 , 112, 2839-2841		1
200	On the Stereoselectivity of Lactol Substitutions with Allyl- and Propargylsilanes Synthesis of Disubstituted Tetrahydrofuran Derivatives. 2000 , 2000, 3893-3901		56
199	Highly 2,3-trans stereoselective allylations of 2, 3-O-isopropylidene-protected pyrrolidines: circumventing the N-acyliminium ion chemistry?. 2000 , 2, 3513-5		3
198	Vinylogous Mannich reactions: some theoretical studies on the origins of diastereoselectivity. 2000 , 2, 3445-7		37
197	Studies toward (-)-gymnodimine: concise routes to the spirocyclic and tetrahydrofuran moieties. 2000 , 2, 763-6		47
196	Development of reactions of silacyclopropanes as new methods for stereoselective organic synthesis. 2000 , 33, 813-20		89
195	Is there stereoelectronic control in hydrolysis of cyclic guanidinium ions?. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4446-50	16.4	11
194	Stereoelectronic control in addition of nucleophiles to an amidinium ion. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4451-8	16.4	20
193	Vinylogous Mannich reactions: selectivity and synthetic utility. 2001 , 57, 3221-3242		190
192	Stereoselective synthesis of 3-hydroxy-2-sulfonyltetrahydrofurans from α -(triethylsilyloxy)aldehydes and p-tolylsulfonyldiazomethane. 2001 , 57, 5227-5232		6
191	Enantioselective Synthesis of Medium-Sized Ring-Bridged Oxabicycles by Ring-Closing Metathesis. 2001 , 2001, 4423-4429		19
190	Evolution of the vinylogous Mannich reaction as a key construction for alkaloid synthesis. 2002 , 35, 895-904		226
189	Allylation of donor-acceptor cyclopropanes. 2003 , 5, 4639-40		16
188	Stereoselective synthesis of alkynyl C-2-deoxy-beta-d-ribofuranosides via intramolecular nicholas reaction: A versatile building block for nonnatural C-nucleosides. 2003 , 5, 625-8		42
187	Enantioselective total synthesis of (+)-amphidinolide t1. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2374-5	16.4	84
186	Stereochemistry of nucleophilic substitution reactions depending upon substituent: evidence for electrostatic stabilization of pseudoaxial conformers of oxocarbenium ions by heteroatom substituents. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15521-8	16.4	227
185	Ketal-tethered ring-closing metathesis. An unconventional approach to constructing spiroketals and total synthesis of an insect pheromone. 2004 , 45, 5505-5510		27

184	Syntheses of the C(1-6) and C(19-24) fragments of lituarines A, B, and C. 2004 , 6, 3857-9	19
183	Synthesis of (+/-)-secosyrin 1 and a formal synthesis of (-)-secosyrin 1. 2004 , 6, 465-7	23
182	Synthesis of amphidinolide T1 via catalytic, stereoselective macrocyclization. <i>Journal of the American Chemical Society</i> , 2004 , 126, 998-9	16.4 81
181	Using stereoelectronic effects to explain selective reactions of 4-substituted five-membered ring oxocarbenium ions. 2004 , 6, 2063-6	44
180	Using nucleophilic substitution reactions to understand how a remote alkyl or alkoxy substituent influences the conformation of eight-membered ring oxocarbenium ions. 2004 , 6, 4739-41	16
179	Chapter 9 First total synthesis of (+)-Amphidinolide T1. 2004 , 255-302	3
178	A tandem C-H insertion-acetal cleavage sequence: stereocontrolled synthesis of substituted tetrahydrofurans. 2005 , 46, 7175-7178	4
177	Recent advances in donor-acceptor (DA) cyclopropanes. 2005 , 61, 321-347	592
176	A comparative analysis of the total syntheses of the amphidinolide T natural products. 2005 , 3, 2675-84	35
175	Syntheses of 2,5-disubstituted dihydrofurans from gamma-substituted chiral allenamides. 2005 , 70, 4038-42	32
174	Synthesis of mono- and dihydroxylated furanoses, pyranoses, and an oxepanose for the preparation of natural product analogue libraries. 2005 , 70, 5599-605	17
173	Progress in the synthesis of the lituarines: stereocontrol in sequential C-C bond formation on a spirobutenolide template. 2005 , 7, 5007-10	8
172	Electrostatic interactions in cations and their importance in biology and chemistry. 2006 , 4, 1195-201	125
171	Highly convergent three component benzyne coupling: the total synthesis of ent-clavilactone B. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14042-3	16.4 118
170	Nucleophilic substitution at the anomeric position of 1,2-O-isopropylidene-furanose derivatives. A novel stereoselective synthesis of cyclic phosphates analogous to cAMP. 2006 , 341, 2883-90	11
169	A ketal-tethered RCM strategy toward the synthesis of spiroketal related natural products. 2006 , 62, 10485-10496	36
168	Synthetic studies toward the immunosuppressant FR901483. Facile construction of the azatricyclic skeleton. 2006 , 47, 2933-2936	13
167	Addition of carbon nucleophiles to cyclic N-acyliminium and oxocarbenium ions under solvent-free conditions. 2006 , 47, 7853-7856	18

166	Silicon. 2007 , 297-339	10
165	An unusual stereoselectivity in the anomeric substitution with carbamates promoted by HNTf ₂ . 2007 , 5, 431-4	21
164	On the use of 3,5-O-benzylidene and 3,5-O-(di-tert-butylsilylene)-2-O-benzylarabinothiofuranosides and their sulfoxides as glycosyl donors for the synthesis of beta-arabinofuranosides: importance of the activation method. 2007 , 72, 1553-65	101
163	Stereoselective synthesis of tetrahydrofuran lignans via BF ₃ · OEt ₂ -promoted reductive deoxygenation/epimerization of cyclic hemiketal: synthesis of (-)-odoratisol C, (-)-futokadsurin A, (-)-veraguensin, (+)-fragransin A(2), (+)-galbelgin, and (+)-talaumidin. 2007 , 9, 3965-8	48
162	Diastereoselective synthesis of tetrahydrofurans via mead reductive cyclization of keto-beta-lactones derived from the tandem Mukaiyama aldol lactonization (TMAL) process. 2007 , 72, 9053-9	15
161	Total synthesis of (+)-azaspiracid-1. Part I: Synthesis of the fully elaborated ABCD aldehyde. 2007 , 46, 4693-7	38
160	Total Synthesis of (+)-Azaspiracid-1. Part I: Synthesis of the Fully Elaborated ABCD Aldehyde. 2007 , 119, 4777-4781	10
159	On the Phenylodine(III)-Bis(trifluoroacetate)-Mediated Olefin Amidohydroxylation Reaction. 2007 , 2007, 437-444	31
158	Recent Advances in the Stereoselective Synthesis of Tetrahydrofurans. 2007 , 63, 261-290	275
157	The Effect of Lewis Acids on the Stereochemistry in the Ugi Three-Component Reaction with D-lyxo-Pyrroline. 2008 , 2008, 3678-3688	43
156	Hydride shift generated oxonium ions: evidence for mechanism and intramolecular trapping experiments to form trans THF derivatives. 2008 , 47, 2869-71	35
155	Highly diastereoselective, tandem, three-component synthesis of tetrahydrofurans from ketoaldehydes via silylated beta-lactone intermediates. 2008 , 47, 5026-9	21
154	Hydride Shift Generated Oxonium Ions: Evidence for Mechanism and Intramolecular Trapping Experiments to Form trans THF Derivatives. 2008 , 120, 2911-2913	6
153	Highly Diastereoselective, Tandem, Three-Component Synthesis of Tetrahydrofurans from Ketoaldehydes via Silylated Lactone Intermediates. 2008 , 120, 5104-5107	4
152	Scope and mechanism for lewis acid-catalyzed cycloadditions of aldehydes and donor-acceptor cyclopropanes: evidence for a stereospecific intimate ion pair pathway. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8642-50	16.4 297
151	Expeditious total syntheses of natural allenic products via aromatic ring umpolung. 2008 , 10, 4629-32	56
150	Diastereoselective, three-component cascade synthesis of tetrahydrofurans and tetrahydropyrans employing the tandem Mukaiyama aldol-lactonization process. 2008 , 73, 9544-51	14
149	Total synthesis of (+)-azaspiracid-1. An exhibition of the intricacies of complex molecule synthesis. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16295-309	16.4 83

148	Total synthesis of haterumalides NA and NC via a chromium-mediated macrocyclization. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12228-9	16.4	33
147	Highly beta-selective C-allylation of a ribofuranoside controlling steric hindrance in the transition state. 2008 , 10, 5107-10		14
146	D-Arabinose-based synthesis of homo-C-d4T and homo-C-thymidine. 2009 , 28, 875-901		12
145	2,3-Anhydrosugars in glycoside bond synthesis: mechanism of 2-deoxy-2-thioaryl glycoside formation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12937-48	16.4	41
144	Highly diastereoselective allylation of lactols and their ethers using molecular iodine. 2009 , 50, 6631-6634		13
143	Inverse stereoselectivity in the nucleophilic attack on five-membered ring oxocarbenium ions. Application to the total synthesis of 7-epi-(+)-goniofufurone. 2009 , 65, 139-144		27
142	Synthesis of the C10-C12 acid fragment of amphidinolide T marine macrolides via SmI2-mediated enantioselective reductive coupling of aldehydes with a chiral crotonate. 2009 , 65, 6828-6833		17
141	Enantiopure alkaloid analogues and iminosugars from proline derivatives: stereocontrol in sequential processes. 2009 , 50, 3974-3977		14
140	A short and practical synthesis of two Hagen gland lactones. 2009 , 344, 1123-6		20
139	Recent advances in the synthesis of 2-deoxy-glycosides. 2009 , 344, 1911-40		120
138	Photoinduced three-component reaction: a convenient access to 3-arylacetals or 3-arylketals. 2009 , 11, 349-52		25
137	Nucleophilic addition of organozinc reagents to 2-sulfonyl cyclic ethers: stereoselective synthesis of manassantins A and B. 2009 , 11, 89-92		38
136	Stereoselective synthesis of amphidinolide T1. 2009 , 11, 1705-8		53
135	Catalytic, one-pot synthesis of beta-amino acids from alpha-amino acids. Preparation of alpha,beta-peptide derivatives. 2009 , 74, 4655-65		37
134	One-Pot Synthesis of Azanucleosides from Proline Derivatives with Stereoselectivity in Sequential Processes. 2010 , 2010, 3847-3857		18
133	One-Pot Conversion of Proline Derivatives into Iodinated Iminosugar-Based Nucleosides, Useful Precursors of Highly Functionalized Nucleoside Analogues. 2010 , 2010, 6633-6642		8
132	Synthesis of 2,5-disubstituted tetrahydrofurans from organozinc halides and lactones. 2010 , 21, 511-514		0
131	Beta-selective arabinofuranosylation using a 2,3-O-xyllylene-protected donor. 2010 , 12, 3686-9		54

130	Stereoselective C-glycosidations with achiral and enantioenriched allenylsilanes. 2010 , 12, 4624-7	27
129	Synthesis of 1Q cis-nucleoside analogues: evidence of stereoelectronic control for SN2 reactions at the anomeric center of furanosides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12433-9	16.4 26
128	Scanning the potential energy surface of furanosyl oxocarbenium ions: models for reactive intermediates in glycosylation reactions. 2010 , 114, 5180-6	21
127	Access to oxetane-containing psico-nucleosides from 2-methyleneoxetanes: a role for neighboring group participation?. 2011 , 76, 9962-74	22
126	High 1,3-trans stereoselectivity in nucleophilic substitution at the anomeric position and fragmentation of the primary alkoxy radical in 3-amino-3-deoxy-ribofuranose derivatives: application to the synthesis of 2-epi(-)-jaspine B. 2011 , 76, 5466-71	29
125	Total synthesis of the spirocyclic imine marine toxin (-)-gymnodimine and an unnatural C4-epimer. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19844-56	16.4 60
124	A novel and highly stereoselective synthesis of 2-substituted perhydrofuro[2,3-b]pyran derivatives. 2011 , 13, 4276-9	13
123	Chemical Synthesis of Furanose Glycosides. 2011 , 23, 134-152	41
122	From Total Synthesis to Diverted Total Synthesis: Case Studies in the Amphidinolide Series. 2011 , 51, 329-345	81
121	Synthesis of the gymnodimine tetrahydrofuran core through a Ueno-Stork radical cyclization. 2011 , 9, 3726-32	10
120	The effect of sulfoxides on the stereoselective construction of tetrahydrofurans: total synthesis of (+)-goniothalesdiol. 2011 , 17, 1283-93	16
119	A synthetic route to highly substituted 1,2,3,4-tetrahydroisoquinolines via Yb(OTf) ₃ -catalyzed diastereoselective ring opening of bridged oxazolidines: asymmetric synthesis of 2-azapodophyllotoxin. 2011 , 17, 4905-13	19
118	Gymnothelignans A-O: conformation and absolute configuration analyses of lignans bearing tetrahydrofuran from <i>Gymnotheca chinensis</i> . 2012 , 77, 8435-43	25
117	Cu(II)-catalyzed aerobic hydroperoxidation of Meldrum acid derivatives and application in intramolecular oxidation: a conceptual blueprint for O ₂ /H ₂ dihydroxylation. 2012 , 14, 5932-5	24
116	Preparation of modified peptides: direct conversion of amino acids into amino aldehydes. 2012 , 10, 4448-61	8
115	Stereoselective N-glycosylation of 2-deoxythioribosides for fluorescent nucleoside synthesis. 2012 , 77, 9006-17	13
114	Natural product synthesis as a challenging test of newly developed methodology. 2012 , 48, 11924-38	29
113	Synthesis of indolizidinone analogues of cytotoxic alkaloids: monocyclic precursors are also active. 2012 , 22, 3402-7	7

112	Practical synthesis of 1?-substituted Tubercidin C-nucleoside analogs. 2012 , 53, 484-486	32
111	InCl ₃ catalyzed highly diastereoselective [3 + 2] cycloaddition of 1,2-cyclopropanated sugars with aldehydes: a straightforward synthesis of persubstituted bis-tetrahydrofurans and perhydrofuro[2,3-b]pyrans. 2013 , 15, 5170-3	26
110	Direct nucleophilic addition to N-alkoxyamides. 2013 , 19, 678-84	40
109	Sakurai reaction of 3,3-bis(silyl) silyl enol ethers with acetals involving selective desilylation of the geminal bis(silane). Concise synthesis of nematocidal oxylipid. 2013 , 15, 1068-71	32
108	Synthesis of the C1-C21 domain of azaspiracids-1 and -3. 2013 , 15, 2338-41	13
107	Design of chemical glycosyl donors: does changing ring conformation influence selectivity/reactivity?. 2013 , 42, 4297-309	62
106	Nucleophilic addition to silyl-protected five-membered ring oxocarbenium ions governed by stereoelectronic effects. 2013 , 78, 6609-21	21
105	Increasing the Reactivity of Amides towards Organometallic Reagents: An Overview. 2014 , 356, 3697-3736	168
104	Furanosyl Oxocarbenium Ion Stability and Stereoselectivity. 2014 , 126, 10549-10553	12
103	Synthesis of Substituted Tetrahydrofurans. 2014 , 1-41	12
102	Short-Step Anodic Access to Emissive RNA Homonucleosides. 2014 , 2014, 1371-1375	17
101	The stereoselective total synthesis of PF1163A. 2014 , 55, 1519-1522	7
100	Synthesis of Saturated Oxygenated Heterocycles I. 2014 ,	7
99	Heterocycle synthesis based on allylic alcohol transposition using traceless trapping groups. 2014 , 53, 4926-9	28
98	Stereoselective C-glycosidation of D-fucose derivatives directed by the protective groups. 2014 , 393, 51-9	9
97	Synthesis of the spiroacetal core of the cephalosporolide family of natural products. 2014 , 70, 590-596	16
96	Synthesis of polyhydroxylated quinolizidine and indolizidine scaffolds from sugar-derived lactams via a one-pot reduction/Mannich/Michael sequence. 2014 , 79, 10487-503	26
95	Stereospecific [3+2] cycloaddition of 1,2-cyclopropanated sugars and ketones catalyzed by SnCl ₄ : an efficient synthesis of multi-substituted perhydrofuro[2,3-b]furans and perhydrofuro[2,3-b]pyrans. 2014 , 50, 3505-8	17

94	Furanosyl oxocarbenium ion stability and stereoselectivity. 2014 , 53, 10381-5	53
93	Selective ribofuranosylation of alcohols with ribofuranosyl iodides and triphenylphosphine oxide. 2014 , 79, 7656-64	17
92	Access to trans-3,4-dihydroxy-2-alkylpyrrolidines and piperidines by use of stereodefined cyclic N,O-acetals as a diversity-generating element. 2014 , 20, 16391-6	7
91	Effect of conformational rigidity on the stereoselectivity of nucleophilic additions to five-membered ring bicyclic oxocarbenium ion intermediates. 2014 , 12, 7083-91	18
90	Trapping of azidocarbenium ion: a unique route for azide synthesis. 2014 , 16, 2104-7	18
89	Heterocycle Synthesis Based on Allylic Alcohol Transposition Using Traceless Trapping Groups. 2014 , 126, 5026-5029	9
88	Total synthesis of cephalosporolide E via a tandem radical/polar crossover reaction. The use of the radical cations under nonoxidative conditions in total synthesis. 2015 , 80, 2601-8	17
87	Functionalized β -dibromo esters through Claisen rearrangements of dibromoketene acetals. 2015 , 17, 1054-7	4
86	Reactivity of damaged pyrimidines: formation of a Schiff base intermediate at the glycosidic bond of saturated dihydrouridine. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3318-29	16.4 5
85	Cation Clock Reactions for the Determination of Relative Reaction Kinetics in Glycosylation Reactions: Applications to Gluco- and Mannopyranosyl Sulfoxide and Trichloroacetimidate Type Donors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10336-45	16.4 46
84	Synthesis and DNA/RNA Binding Properties of Conformationally Constrained Pyrrolidinyl PNA with a Tetrahydrofuran Backbone Deriving from Deoxyribose. 2015 , 80, 7058-65	10
83	Stereoselectivity in the Lewis acid mediated reduction of ketofuranoses. 2015 , 80, 4553-65	15
82	Synthesis of functionalized β -lactone via Sakurai exo-cyclization/rearrangement of 3,3-bis(silyl) enol ester with a tethered acetal. 2015 , 17, 1553-6	15
81	Synthesis of polyhydroxylated piperidine and pyrrolidine peptidomimetics via one-pot sequential lactam reduction/Joullé-Jugi reaction. 2015 , 80, 3621-33	38
80	Total synthesis of (+)-petromyroxol. 2015 , 56, 3933-3935	10
79	A formal total synthesis of (–)-kumausallene. 2015 , 71, 8577-8584	11
78	Total synthesis of the proposed structure of decurrenside D. 2015 , 56, 5416-5418	3
77	Synthesis of the A-D Ring System of the Gambieric Acids. 2015 , 17, 4694-7	16

76	On the Reactivity of Gulose and Guluronic Acid Building Blocks in the Context of Alginate Assembly. 2016 , 2016, 2393-2397	9
75	Gold(i)-catalyzed C-glycosylation of glycosyl ortho-alkynylbenzoates: the role of the moisture sequestered by molecular sieves. 2016 , 52, 12183-12186	18
74	Synthesis of Medium-Sized 2,Æcis-Disubstituted Cyclic Ethers by Reductive Cyclization of Hydroxy Ketones. 2016 , 1, 4101-4107	5
73	Twenty Years of Mycobacterial Glycans: Furanosides and Beyond. 2016 , 49, 1379-88	37
72	Natural Products Containing Oxygen HeterocyclesÆSynthetic Advances Between 1990 and 2015. 2016 , 119, 107-142	17
71	Vinylsilane-mediated synthesis of styryl-lactone frameworks. 2016 , 72, 1161-1167	3
70	Synthesis of polyhydroxylated pyrrolidines from sugar-derived bromonitriles through a cascade addition of allylmagnesium bromide/cyclization/reduction. 2016 , 14, 1764-76	7
69	Stereoselective Glycosylations ÆAdditions to Oxocarbenium Ions. 2017 , 1-28	4
68	Selective Glycosylations with Furanosides. 2017 , 297-326	6
67	Asymmetric Catalysis via Cyclic, Aliphatic Oxocarbenium Ions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2156-2159	16.4 85
66	Chemoselective and Diastereoconvergent Cu(II)-Catalyzed Aerobic Endoperoxidation of Polycarbonyls. 2017 , 19, 3107-3110	10
65	Brønsted Acid/Silane Catalytic System for Intramolecular Hydroalkoxylation and Hydroamination of Unactivated Alkynes. 2017 , 7, 2848-2852	23
64	Conformational Behaviour of Azasugars Based on Mannuronic Acid. 2017 , 18, 1297-1304	5
63	Metal-free, direct conversion of Æamino acids into Æketo Æamino esters for the synthesis of Æpeptides. 2017 , 15, 7736-7742	4
62	Stereocontrolled Nucleophilic Addition to Five-Membered Oxocarbenium Ions Directed by the Protecting Groups. Application to the Total Synthesis of (+)-Varitriol and of Two Diastereoisomers Thereof. 2017 , 82, 8464-8475	7
61	Unified Total Synthesis of Stemoamide-Type Alkaloids by Chemoselective Assembly of Five-Membered Building Blocks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18386-18391	16.4 69
60	. 2017 ,	38
59	Bioinspired Asymmetric Synthesis of (-)-Gymnothelignan V. 2018 , 83, 4173-4179	6

58	Carbocations. 2018 , 339-365		
57	Stereochemical Definition of the Natural Product (6R,10R,13R,14R,16R,17R,19S,20S,21R,24S,25S,28S,30S,32R,33R,34R,36S,37S,39R)-Azaspiracid-3 by Total Synthesis and Comparative Analyses. 2018 , 130, 818-821		4
56	Cu-Catalyzed Three-Component Carboamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 58-61	16.4	93
55	Total Synthesis of (6R,10R,13R,14R,16R,17R,19S,20R,21R,24S,25S,28S,30S,32R,33R,34R,36S,37S,39R)-Azaspiracid-3 Reveals Non-Identity with the Natural Product. 2018 , 57, 805-809		4
54	Stereochemical Definition of the Natural Product (6R,10R,13R,14R,16R,17R,19S,20S,21R,24S,25S,28S,30S,32R,33R,34R,36S,37S,39R)-Azaspiracid-3 by Total Synthesis and Comparative Analyses. 2018 , 57, 810-813		10
53	Total Synthesis of (6R,10R,13R,14R,16R,17R,19S,20R,21R,24S,25S,28S,30S,32R,33R,34R,36S,37S,39R)-Azaspiracid-3 Reveals Non-Identity with the Natural Product. 2018 , 130, 813-817		2
52	The Stereochemistry of C -Furanosides. 2018 , ix-xxii		
51	Total Synthesis of Notoryne. 2018 , 83, 12863-12868		10
50	The Experimental Evidence in Support of Glycosylation Mechanisms at the S1-S2 Interface. 2018 , 118, 8242-8284		147
49	galacto-C- Furanosides (I, β C -Lyxose). 2018 , 11-64		
48	d - and l - altro - C -furanosides (II/ ent -II, β C -Lyxose, β C -Ribose). 2018 , 65-163		
47	Introduction. 2018 , 385-393		
46	Recent advances in synthetic approaches for medicinal chemistry of C-nucleosides. 2018 , 14, 772-785		28
45	Stereocontrolled Synthesis of β Xylofuranosides Using a Conformationally Restricted Donor. 2018 , 83, 7659-7671		14
44	Open-Close Strategy toward the Organocatalytic Generation of 2-Deoxyribosyl Oxocarbenium Ions: Pyrrolidine-Salt-Catalyzed Synthesis of 2-Deoxyribofuranosides. 2019 , 2019, 7488-7498		7
43	An extensive review of studies on mycobacterium cell wall polysaccharide-related oligosaccharides [part I: Synthetic studies on arabinofuranosyl oligosaccharides. 2019 , 38, 269-334		4
42	Enantioselective Total Synthesis of (+)-Monocerin, a Dihydroisocoumarin Derivative with Potent Antimalarial Properties. 2019 , 84, 6191-6198		5
41	Furanosyl Oxocarbenium Ion Conformational Energy Landscape Maps as a Tool to Study the Glycosylation Stereoselectivity of 2-Azidofuranoses, 2-Fluorofuranoses and Methyl Furanosyl Uronates. 2019 , 25, 7149-7157		17

40	Effective syntheses of 2'-O-4-CBNA monomers bearing adenine, guanine, thymine, and 5-methylcytosine, and the properties of oligonucleotides fully modified with 2'-O-4-CBNA. 2019 , 27, 1728-1741	7
39	Blue light photoredox decarboxylation and tin-free Barton-McCombie reactions in the stereoselective synthesis of (+)-muscarine. 2019 , 60, 423-426	5
38	Synthesis, Reactivity, and Stereoselectivity of 4-Thiofuranosides. 2019 , 84, 1218-1227	12
37	Reactions of Allylmagnesium Reagents with Carbonyl Compounds and Compounds with C=N Double Bonds: Their Diastereoselectivities Generally Cannot Be Analyzed Using the Felkin-Anh and Chelation-Control Models. 2020 , 120, 1513-1619	26
36	Applying the Bent Bond/Antiperiplanar Hypothesis to the Stereoselective Glycosylation of Bicyclic Furanosides. 2020 , 85, 758-773	9
35	Total Synthesis of (+)-Petromyroxol, (-)-Petromyroxol, and Possible Diastereomers. 2020 , 5, 25334-25348	3
34	Stereospecific Furanosylations Catalyzed by Bis-thiourea Hydrogen-Bond Donors. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4061-4069	16.4 27
33	Advances in Total Synthesis of Some 2,3,5-Trisubstituted Tetrahydrofuran Natural Products. 2020 , 15, 2815-2837	8
32	Conformationally Constrained Glycosyl Donors as Tools to Control Glycosylation Outcomes. 2020 , 85, 15801-15826	14
31	Use of the Hosomi-Sakurai allylation in natural product total synthesis. 2020 , 76, 131351	8
30	Selective Synthesis of Some Aminosugars via Catalytic Aminohydroxylation of Protected 2,3-Unsaturated d-Gluco- and d-Galacto-2-hexenopyranosides. 2020 , 85, 9179-9189	2
29	Selective xylulofuranosylation via a conformationally-restricted glycosyl donor. 2020 , 18, 2264-2273	4
28	Direct synthesis of anomeric tetrazolyl iminosugars from sugar-derived lactams. 2021 , 17, 115-123	2
27	Glycosylation With Furanosides. 2021 , 267-285	0
26	Concise synthesis of bicyclic iminosugars via reductive functionalization of sugar-derived lactams and subsequent RCM reaction. 2021 , 19, 6842-6846	1
25	Cu(OTf) catalyzed Ugi-type reaction of α -acetals with isocyanides for the synthesis of pyrrolidinyl and piperidinyl 2-carboxamides. 2021 , 57, 9248-9251	2
24	Stereoelectronic Effects in Glycosylation Reactions. 2021 , 83-102	0
23	Synthesis and evaluation of a collection of purine-like C-nucleosides as antikinoplastid agents. 2021 , 212, 113101	6

22	Total Synthesis of the Fungal Metabolite Trienylfuranol A through Nucleophilic Diastereodivergent Additions to Oxocarbenium Ions. 2021 , 2021, 2050-2054	1
21	Selective Synthesis of Acylated Cross-Benzoins from Acylals and Aldehydes via α -Heterocyclic Carbene Catalysis. 2021 , 23, 4197-4202	1
20	Highly Stereoselective Glycosylation Reactions of Furanoside Derivatives via Rhenium (V) Catalysis. 2021 , 86, 7672-7686	0
19	Switching between α -Pyrano-, α -Furano-, and Anhydro- α -pyranoside Synthesis (X = C, N) under Lewis acid Catalyzed Conditions. 2021 , 23, 5636-5640	2
18	A Convenient Approach towards the Synthesis of ADMDP Type Iminosugars and Nojirimycin Derivatives from Sugar-Derived Lactams. 2021 , 26,	
17	Nucleophilic substitution at the anomeric position of furanose carbohydrates. The case of the C-allylations. 2021 , 510, 108441	0
16	Conformations and Chemistry of Oxocarbenium Ion. 2014 , 87-115	1
15	Lewis Base Catalyzed, Sulfenium Ion Initiated Enantioselective, Spiroketalization Cascade. 2021 , 86, 14250-14289	
14	Lactam Strategy Using Amide-Selective Nucleophilic Addition for the Quick Access to Complex Amines: Unified Total Synthesis of Stemoamide-Type Alkaloids.	0
13	Synthesis of novel α -nucleoside analogues bearing an anomeric cyano and a 1,2,3-triazole nucleobase as potential antiviral agents.. 2022 ,	2
12	Divergent Total Syntheses of Gymnothelignan N, Beilschmin A, and Eupomatilones 1, 3, 4, and 7.. 2022 ,	0
11	Side Chain Conformation and Its Influence on Glycosylation Selectivity in Hexo- and Higher Carbon Furanosides.. 2022 , 87, 316-339	2
10	Efficient and rapid electrocatalytic degradation of polyethylene glycol by ammonium jarosite. 2022 , 107795	0
9	Oxo-Rhenium-Mediated Allylation of Furanoside Derivatives: A Computational Study on the Mechanism and the Stereoselectivity.	0
8	Halogen Atom Participation in Guiding the Stereochemical Outcomes of Acetal Substitution Reactions.	1
7	Halogen Atom Participation in Guiding the Stereochemical Outcomes of Acetal Substitution Reactions.	
6	Formal Glycosylation of Quinones with exo-Glycals Enabled by Iron-Mediated Oxidative Radical-Polar Crossover.	1
5	Thioether and Ether Furofuran Lignans: Semisynthesis, Reaction Mechanism, and Inhibitory Effect against α -Glucosidase and Free Radicals. 2022 , 27, 9001	0

- 4 Exploring F/CF₃ substituted oxocarbenium ions for the diastereoselective assembly of highly substituted tetrahydrofurans. **2023**, 59, 4083-4086
- 3 Lewis-Acid-Catalyzed Reductive Hydroalkoxylation of Propargylic N-Hydroxylamines Gives Stereoselective Access to Isoxazolidines. **2023**, 25, 2525-2530
- 2 Supramolecular Capsule-Catalyzed Highly E-selective Furanosylation Independent of the SN1/SN2 Reaction Pathway.
- 1 Small Change, Big Impact: Reversal of Diastereoselection in Cuprate Conjugate Additions to α -Unsaturated Lactams and Identification of a Competing Mechanism. **2023**, 88, 4387-4396