Mikael Bols

List of Publications by Year in descending order

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214 papers	7,752 citations	53660 45 h-index	69108 77 g-index
267 all docs	267 docs citations	267 times ranked	4654 citing authors

#	Article	IF	Citations
1	Recent Developments of Transition-State Analogue Glycosidase Inhibitors of Non-Natural Product Origin. Chemical Reviews, 2002, 102, 515-554.	23.0	673
2	1-Aza Sugars, Apparent Transition State Analogues of Equatorial Glycoside Formation/Cleavage. Accounts of Chemical Research, 1998, 31, 1-8.	7.6	277
3	Silicon-Tethered Reactions. Chemical Reviews, 1995, 95, 1253-1277.	23.0	260
4	The Disarming Effect of the 4,6-Acetal Group on Glycoside Reactivity:Â Torsional or Electronic?. Journal of the American Chemical Society, 2004, 126, 9205-9213.	6.6	223
5	â€œSuper Armedâ€•Glycosyl Donors:Â Conformational Arming of Thioglycosides by Silylation. Journal of the American Chemical Society, 2007, 129, 9222-9235.	6.6	168
6	Isofagomine, a Potent, New Glycosidase Inhibitor. Angewandte Chemie International Edition in English, 1994, 33, 1778-1779.	4.4	163
7	Mechanisms of Glycosylation Reactions Studied by Low-Temperature Nuclear Magnetic Resonance. Chemical Reviews, 2015, 115, 4963-5013.	23.0	142
8	Stereoelectronic Substituent Effects. Accounts of Chemical Research, 2006, 39, 259-265.	7.6	139
9	Garner's aldehyde. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2136-2157.	1.3	128
10	Binding of Serotonin to the Human Serotonin Transporter. Molecular Modeling and Experimental Validation. Journal of the American Chemical Society, 2008, 130, 3853-3865.	6.6	123
11	Artificial enzymes, â€œChemzymesâ€• current state and perspectives. Applied Microbiology and Biotechnology, 2008, 81, 1-11.	1.7	113
12	Remarkable Supramolecular Catalysis of Glycoside Hydrolysis by a Cyclodextrin Cyanohydrin. Journal of the American Chemical Society, 2005, 127, 3238-3239.	6.6	110
13	Evaluation of Isofagomine and Its Derivatives As Potent Glycosidase Inhibitors. Biochemistry, 1996, 35, 2788-2795.	1.2	103
14	1â€Azafagomine: A Hydroxyhexahydropyridazine That Potently Inhibits Enzymatic Glycoside Cleavage. Chemistry - A European Journal, 1997, 3, 940-947.	1.7	103
15	Noeuromycin,1A Glycosyl Cation Mimic that Strongly Inhibits Glycosidases. Journal of the American Chemical Society, 2001, 123, 5116-5117.	6.6	95
16	Radical substitution with azide: TMSN3â€“PhI(OAc)2as a substitute of IN3. Organic and Biomolecular Chemistry, 2005, 3, 816-822.	1.5	92
17	Very High Rate Enhancement of Benzyl Alcohol Oxidation by an Artificial Enzyme. Angewandte Chemie - International Edition, 2006, 45, 4590-4593.	7.2	86
18	Stereoelectronic Substituent Effects in Polyhydroxylated Piperidines and Hexahydropyridazines. Chemistry - A European Journal, 2002, 8, 1218.	1.7	85

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19	Radical Azidonation of Aldehydes. Journal of Organic Chemistry, 2003, 68, 9453-9455.	1.7	85
20	Going to Extremes: â€œSuperâ€•Armed Glycosyl Donors in Glycosylation Chemistry. Chemistry - A European Journal, 2007, 13, 7576-7582.	1.7	85
21	Binding and Orientation of Tricyclic Antidepressants within the Central Substrate Site of the Human Serotonin Transporter. Journal of Biological Chemistry, 2010, 285, 8363-8374.	1.6	85
22	3â€Deoxyâ€glucosone is an Intermediate in the Formation of Furfurals from <scp>D</scp>â€Glucose.. ChemSusChem, 2011, 4, 1049-1051.	3.6	83
23	Conformational Effects on Glycoside Reactivity:Â Study of the High Reactive Conformer of Glucose. Journal of the American Chemical Society, 2004, 126, 12374-12385.	6.6	82
24	Stereocontrolled synthesis of Î±-glucosides by intramolecular glycosidation. Journal of the Chemical Society Chemical Communications, 1992, , 913-914.	2.0	81
25	Conformationally armed glycosyl donors: reactivity quantification, new donors and one pot reactions. Chemical Communications, 2008, , 2465.	2.2	77
26	Synthesis of isofagomine, a novel glycosidase inhibitor. Tetrahedron, 1994, 50, 13449-13460.	1.0	75
27	Conversion of d-glucose into 5-hydroxymethylfurfural (HMF) using zeolite in [Bmim]Cl or tetrabutylammonium chloride (TBAC)/CrCl2. Tetrahedron Letters, 2012, 53, 983-985.	0.7	70
28	Synthesis of <scp>l</scp>-Hexoses. Chemical Reviews, 2015, 115, 3615-3676.	23.0	68
29	Î²-Selective Mannosylation with a 4,6-Silylene-Tethered Thiomannosyl Donor. Organic Letters, 2014, 16, 1116-1119.	2.4	67
30	Glycosyl donors in â€œunusualâ€•conformations â€“ influence on reactivity and selectivity. Comptes Rendus Chimie, 2011, 14, 17-43.	0.2	66
31	Efficient stereocontrolled glycosidation of secondary sugar hydroxyls by silicon tethered intramolecular glycosidation. Tetrahedron, 1993, 49, 10049-10060.	1.0	64
32	Enantiospecific Synthesis of 1-Azafagomine. Chemistry - A European Journal, 2000, 6, 278-287.	1.7	63
33	A Free-Energy Relationship between the Rate of Acidic Hydrolysis of Glycosides and the pKa of Isofagomines. Angewandte Chemie - International Edition, 2001, 40, 3447-3449.	7.2	63
34	Steric Effects Are Not the Cause of the Rate Difference in Hydrolysis of Stereoisomeric Glycosides. Organic Letters, 2003, 5, 3419-3421.	2.4	62
35	Supramolecular Oxidation of Anilines Using Hydrogen Peroxide as Stoichiometric Oxidant. Journal of the American Chemical Society, 2005, 127, 17578-17579.	6.6	62
36	A New Method for the Deprotection of Benzyl Ethers or the Selective Protection of Alcohols. Chemistry - A European Journal, 2000, 6, 1140-1146.	1.7	60

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37	Silyl-protective groups influencing the reactivity and selectivity in glycosylations. Beilstein Journal of Organic Chemistry, 2017, 13, 93-105.	1.3	59
38	Radical Azidonation of Benzylic Positions with Iodonium Azide. Angewandte Chemie - International Edition, 2001, 40, 623-625.	7.2	57
39	Conformationally Armed 3,6-Tethered Glycosyl Donors: Synthesis, Conformation, Reactivity, and Selectivity. Journal of Organic Chemistry, 2013, 78, 7234-7248.	1.7	56
40	Easy Access to <scp>L</scp>â€Mannosides and <scp>L</scp>â€Galactosides by Using Cï£¿H Activation of the Corresponding 6â€Deoxysugars. Angewandte Chemie - International Edition, 2012, 51, 12285-12288.	7.2	50
41	Equatorial Contra Axial Polar Substituents. The Relation of a Chemical Reaction to Stereochemical Substituent Constants. Journal of Organic Chemistry, 2002, 67, 8970-8974.	1.7	48
42	Synthesis of Some Trifluoromethylated Cyclodextrin Derivatives and Analysis of Their Properties as Artificial Glycosidases and Oxidases. European Journal of Organic Chemistry, 2007, 2007, 704-710.	1.2	48
43	Quantifying Electronic Effects of Common Carbohydrate Protecting Groups in a Piperidine Model System. Chemistry - A European Journal, 2010, 16, 13982-13994.	1.7	48
44	Long Range Intramolecular Glycosidation. Chemistry Letters, 1994, 23, 1049-1052.	0.7	47
45	Cyclodextrins containing an acetone bridge. Synthesis and study as epoxidation catalysts. Organic and Biomolecular Chemistry, 2004, 2, 3476.	1.5	46
46	A Large Difference in the Thermodynamics of Binding of Isofagomine and 1-Deoxynojirimycin to Î²-Glucosidase. Journal of the American Chemical Society, 2000, 122, 8567-8568.	6.6	45
47	Four Orders of Magnitude Rate Increase in Artificial Enzyme-Catalyzed Aryl Glycoside Hydrolysis. Journal of Organic Chemistry, 2005, 70, 7217-7226.	1.7	45
48	Synthesis and Biological Evaluation of Glycosidase Inhibitors:â€‰ gem-Difluoromethylenated Nojirimycin Analogues. Journal of Medicinal Chemistry, 2006, 49, 2989-2997.	2.9	45
49	An artificial enzyme that catalyzes hydrolysis of aryl glycosides. Tetrahedron Letters, 2004, 45, 8709-8711.	0.7	44
50	Synthesis and deconvolution of the first combinatorial library of glycosidase inhibitors. Bioorganic and Medicinal Chemistry, 1999, 7, 1965-1971.	1.4	43
51	Efficient Synthesis of Isofagomine and Noeuromycin. Chemistry - A European Journal, 2001, 7, 3744-3747.	1.7	43
52	Synthesis of 5â€Bromomethylfurfural from Cellulose as a Potential Intermediate for Biofuel. European Journal of Organic Chemistry, 2011, 2011, 1266-1270.	1.2	43
53	Chemoenzymatic Synthesis of Isogalactofagomine. Journal of Organic Chemistry, 2000, 65, 7432-7437.	1.7	42
54	Quantifying the Electronic Effects of Carbohydrate Hydroxy Groups by Using Aminosugar Models. Chemistry - A European Journal, 2011, 17, 7080-7086.	1.7	42

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55	Influence of O6 in Mannosylations Using Benzylidene Protected Donors: Stereoelectronic or Conformational Effects?. Journal of Organic Chemistry, 2013, 78, 2191-2205.	1.7	41
56	Artificial Glycosyl Phosphorylases. Chemistry - A European Journal, 2005, 11, 5094-5101.	1.7	40
57	Rhamnosylation: Diastereoselectivity of Conformationally Armed Donors. Journal of Organic Chemistry, 2012, 77, 5559-5568.	1.7	40
58	Application of intramolecular glycosidation to the stereocontrolled synthesis of disaccharides containing Î±-gluco and Î±-galacto linkages. Journal of the Chemical Society Chemical Communications, 1993, .	2.0	38
59	Synthesis of a ribofuranosyl cation mimic. Tetrahedron Letters, 1996, 37, 2097-2100.	0.7	38
60	Influence of monosaccharide derivatives on liver cell glycosaminoglycan synthesis: 3-deoxy-d-xylo-hexose (3-deoxy-d-galactose) and methyl (methyl 4-chloro-4-deoxy-,Î²-D-galactopyranosid) uronate. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1995, 1272, 37-48.	1.8	37
61	Synthesis and investigation of L-fuco- and D-glucurono-azafagomine. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1190-1198.	1.3	37
62	Î²-Mannosylation with 4,6-benzylidene protected mannosyl donors without preactivation. Chemical Communications, 2015, 51, 13283-13285.	2.2	36
63	Cyclodextrins as Supramolecular Organo-Catalysts. Current Organic Chemistry, 2010, 14, 1380-1398.	0.9	34
64	Synthesis of All Eight Stereoisomeric 6â€Deoxyâ€‹scp›L‹/scp›â€hexopyranosyl Donors â€“ Trends in Using Stereoselective Reductions or Mitsunobu Epimerizations. European Journal of Organic Chemistry, 2014, 2014, 7924-7939.	1.2	34
65	Câ€“H Functionalization on Carbohydrates. European Journal of Organic Chemistry, 2016, 2016, 2740-2756.	1.2	34
66	Safe radical azidonation using polystyrene supported diazidoiodate(I). Tetrahedron, 2005, 61, 123-127.	1.0	33
67	Intramolecular Glycosidation: Stereocontrolled Synthesis of alpha-Glucosides from a 2-O-Alkoxysilyl Thioglucoside.. Acta Chemica Scandinavica, 1993, 47, 829-834.	0.7	33
68	Synthesis of 1-azagalactofagomine, a potent galactosidase inhibitor. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 905-909.	1.3	32
69	Artificial Epoxidase II. Synthesis of Cyclodextrin Ketoesters and Epoxidation of Alkenes. European Journal of Organic Chemistry, 2005, 2005, 2734-2739.	1.2	32
70	The Influence of Neighboring Group Participation on the Hydrolysis of 2-O-Substituted Methyl Glucopyranosides. Organic Letters, 2011, 13, 5956-5959.	2.4	32
71	Synthesis of All Eight ‹scp›L‹/scp›â€Glycopyranosyl Donors Using Cï£¿H Activation. Angewandte Chemie - International Edition, 2014, 53, 13889-13893.	7.2	31
72	Inhibition of collagenase by aranciamycin and aranciamycin derivatives.. Journal of Medicinal Chemistry, 1992, 35, 2768-2771.	2.9	30

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73	Synthesis of an 1-azaglucose analogue with ring-oxygen retained. Tetrahedron Letters, 1999, 40, 3461-3464.	0.7	30
74	Isofagomine lactams, synthesis and enzyme inhibition. Organic and Biomolecular Chemistry, 2003, 1, 282-287.	1.5	30
75	Synthesis of the first 1-azaanalogues of L-sugars.. Tetrahedron, 1997, 53, 697-706.	1.0	29
76	Selective Discrimination of Cyclodextrin Diols Using Cyclic Sulfates. Organic Letters, 2009, 11, 1983-1985.	2.4	29
77	Simple Synthesis of beta-D-Glucosyl Esters.. Acta Chemica Scandinavica, 1993, 47, 818-822.	0.7	29
78	Simple synthesis of (R)-Carnitine from d-Galactono-1,4-lactone. Tetrahedron, 1992, 48, 319-324.	1.0	27
79	Synthesis of the first pseudosugar-C-disaccharide. A potential antigen for eliciting glycoside-bond forming antibodies with catalytic groups. Tetrahedron, 1995, 51, 9063-9078.	1.0	27
80	A New Intramolecular Reaction for the Regioselective Debenzylation or Protection of Alcohols. Angewandte Chemie - International Edition, 1998, 37, 3177-3178.	7.2	27
81	Cyclodextrin Aldehydes are Oxidase Mimics. ChemBioChem, 2009, 10, 2494-2503.	1.3	27
82	Selenoureido-iminosugars: A new family of multitarget drugs. European Journal of Medicinal Chemistry, 2016, 123, 155-160.	2.6	27
83	Isofagomin, ein wirksamer neuer Glycosidaseinhibitor. Angewandte Chemie, 1994, 106, 1858-1860.	1.6	26
84	Superarming of Glycosyl Donors by Combined Neighboring and Conformational Effects. Organic Letters, 2013, 15, 4904-4907.	2.4	26
85	Preparation of 2,3-Epoxyaldonolactones and their Conversion into 2-Fluoro-2-deoxy-aldonolactones and -sugars.. Acta Chemica Scandinavica, 1990, 44, 252-256.	0.7	26
86	The first combinatorial library of azasugar glycosidase inhibitors. Tetrahedron Letters, 1999, 40, 3033-3036.	0.7	25
87	Chemoenzymatic Synthesis of Enantiopure 1-Azafagomine. Journal of Organic Chemistry, 1999, 64, 8485-8488.	1.7	25
88	Investigation of the slow inhibition of almond Î²-glucosidase and yeast isomaltase by 1-azasugar inhibitors: evidence for the â€˜direct bindingâ€™ model. Biochemical Journal, 2000, 349, 211-215.	1.7	25
89	The C-4 Configuration as a Probe for the Study of Glycosidation Reactions. European Journal of Organic Chemistry, 2004, 2004, 323-329.	1.2	25
90	Synthesis of Kojitriose using Silicon-Tethered Glycosidation.. Acta Chemica Scandinavica, 1996, 50, 931-937.	0.7	25

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91	Combinatorial synthesis of benztropine libraries and their evaluation as monoamine transporter inhibitors. Organic and Biomolecular Chemistry, 2004, 2, 2861-2869.	1.5	24
92	Cyclodextrin derivatives that display Enzyme Catalysis. Trends in Glycoscience and Glycotechnology, 2009, 21, 309-323.	0.0	24
93	Synthesis of (Â±)-isofagomine and its stereoisomers from arecoline. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 911-915.	1.3	23
94	Hydrolysis of Toxic Natural Glucosides Catalyzed by Cyclodextrin Dicyanohydrins. European Journal of Organic Chemistry, 2008, 2008, 745-752.	1.2	23
95	Synthetic studies of fluorinated analogues of 1-azafagomine: Remarkable nucleophilic substitution of fluorine by hydrazine. Tetrahedron, 1997, 53, 9357-9364.	1.0	22
96	Combinatorial chemistry of piperidine based carbohydrate mimics. Tetrahedron Letters, 1997, 38, 5697-5700.	0.7	22
97	An Azido-Hanessian Reaction. Synlett, 2002, 2002, 1111-1112.	1.0	22
98	New cup-shaped Î±-cyclodextrin derivatives and a study of their catalytic properties in oxidation reactions. Tetrahedron, 2007, 63, 8872-8880.	1.0	22
99	Recognition of Peptides by Cyclodextrin Trimers. European Journal of Organic Chemistry, 2011, 2011, 5279-5290.	1.2	22
100	1-Azaribofuranoside Analogues as Designed Inhibitors of Purine Nucleoside Phosphorylase. Synthesis and Biological Evaluation.. Acta Chemica Scandinavica, 1998, 52, 1214-1222.	0.7	22
101	Artificial Metallooxidases from Cyclodextrin Diacids. Chemistry - A European Journal, 2017, 23, 13766-13775.	1.7	21
102	Synthesis, inhibition and binding of simple non-nitrogen inhibitors of monoamine transporters. Bioorganic and Medicinal Chemistry, 2007, 15, 4159-4174.	1.4	20
103	Cyclodextrin ketones as oxidation catalysts: Investigation of bridged derivatives. Organic and Biomolecular Chemistry, 2009, 7, 933.	1.5	20
104	Aglycon mimicking: Glycoside bond cleavage transition state mimics based on hydroxypyrrolidine inhibitors. Tetrahedron Letters, 1995, 36, 6541-6544.	0.7	19
105	Cyclodextrin derivatives with cyanohydrin and carboxylate groups as artificial glycosidases. Canadian Journal of Chemistry, 2006, 84, 650-658.	0.6	19
106	Synthesis of the 2â€Ðeoxyisomaltose Analogue of Acarbose by an Improved Route to Chiral Valieneamines. Chemistry - A European Journal, 1997, 3, 453-462.	1.7	19
107	alpha- or beta-Amino Polyhydroxy Acids from the Reaction of Bromodeoxyaldonolactones with Liquid Ammonia.. Acta Chemica Scandinavica, 1991, 45, 280-284.	0.7	19
108	Synthesis of 5-Azacastanospermine, a Conformationally Restricted Azafagomine Analogue. Chemistry - A European Journal, 2001, 7, 2324-2331.	1.7	18

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109	Investigation of the slow inhibition of almond Î²-glucosidase and yeast isomaltase by 1-azasugar inhibitors: evidence for the â€˜direct bindingâ€™ model. Biochemical Journal, 2000, 349, 211.	1.7	17
110	A Method forSyn-Dihydroxylation of Double BondsCisto a Hydroxymethyl Substituent. Journal of Organic Chemistry, 2000, 65, 2797-2801.	1.7	17
111	Synthesis and biological evaluation of potent glycosidase inhibitors: 4-deoxy-4,4-difluoroisofagomine and analogues. Tetrahedron, 2009, 65, 3717-3727.	1.0	17
112	Determination of protonation states of iminosugarâ€“enzyme complexes using photoinduced electron transfer. Chemical Science, 2017, 8, 7383-7393.	3.7	17
113	alpha-Amino Polyhydroxy Tetronic and Pentonic Acids from Bromodeoxyaldonolactones.. Acta Chemica Scandinavica, 1988, 42b, 67-74.	0.7	17
114	Synthesis of a new potent Î±-fucosidase inhibitor. Chemical Communications, 1996, , 2649-2650.	2.2	16
115	Synthesis of 3-substituted isofagomine analogues using an unusual syn hydrogenation reaction. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 659-665.	1.3	16
116	Cyclodextrin Ketones with the Catalytic Group at the Secondary Rim and Their Effectiveness in Enzymeâ€Like Epoxidation of Stilbenes. European Journal of Organic Chemistry, 2011, 2011, 2339-2345.	1.2	16
117	Iminoâ€•and Azasugar Protonation Inside Human Acid Î²â€Glucosidase, the Enzyme that is Defective in Gaucher Disease. Angewandte Chemie - International Edition, 2020, 59, 10466-10469.	7.2	16
118	Preparation of 2-, 3-, and 4-deoxy derivatives of l-rhamnose, and derivatives of 2-azido-2-deoxy-l-rhamnose and 2,6-dideoxy-2-fluoro-l-glucose, for use in glycosylation reactions. Carbohydrate Research, 1991, 222, 141-149.	1.1	15
119	A new and convenient benzyloxyalkylating agent induced by samarium diiodide. Chemical Communications, 1996, , 515.	2.2	15
120	A New Method for the Deprotection of Benzyl Ethers or the Selective Protection of Alcohols. Chemistry - A European Journal, 2000, 6, 1140-1146.	1.7	15
121	Aminoâ€“Acetoneâ€Bridged Cyclodextrins â€• Artificial Alcohol Oxidases. European Journal of Organic Chemistry, 2010, 2010, 157-167.	1.2	15
122	An Isofagomine Analogue with an Amidine at the Pseudoanomeric Position. Organic Letters, 2011, 13, 2908-2911.	2.4	15
123	Synthesis of monofluorinated isofagomine analogues and evaluation as glycosidase inhibitors. Journal of Fluorine Chemistry, 2011, 132, 838-845.	0.9	15
124	Enzyme inhibition by iminosugars: Analysis and insight into the glycosidaseâ€“iminosugar dependency of pH. Bioorganic and Medicinal Chemistry, 2013, 21, 4755-4761.	1.4	15
125	Synthesis and evaluation of sulfonium analogues of isofucofagomine as glycosidase inhibitors. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1242-1246.	1.3	14
126	Substitution of Î±-azido ethers with Grignard reagents and its use in combinatorial chemistry. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 509-512.	1.3	14

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127	Anomer-Selective Glycosidase Inhibition by 2-N-Alkylated 1-Azafagomines. ChemBioChem, 2007, 8, 657-661.	1.3	14
128	Direct Experimental Evidence for the High Chemical Reactivity of Î±â€•and Î²â€Xylopyranosides Adopting a ^{2,5}B Conformation in Glycosyl Transfer. Chemistry - A European Journal, 2011, 17, 7345-7356.	1.7	14
129	A Study of Baker's Yeast Reduction of Piperidone-carboxylates.. Acta Chemica Scandinavica, 1998, 52, 461-468.	0.7	14
130	Isogalactofagomine lactam. A neutral nanomolar galactosidase inhibitor. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1584-1585.	1.3	13
131	Aziridines as a structural motif to conformational restriction of azasugars. Organic and Biomolecular Chemistry, 2003, 1, 478-482.	1.5	13
132	Two- and Three Dimensional Combinatorial Chemistry from Multicomponent Grignard Reagents. ACS Combinatorial Science, 2004, 6, 509-519.	3.3	13
133	Synthesis and Chemistry of Noeuromycin and Isofagomine Analogues. Journal of Carbohydrate Chemistry, 2004, 23, 223-238.	0.4	13
134	The role of the active site Zn in the catalytic mechanism of the GH38 Golgi Î±-mannosidase II: Implications from noeuromycin inhibition. Biocatalysis and Biotransformation, 2006, 24, 55-61.	1.1	13
135	The Grignard Reaction of Cyclodextrinâ€6â€aldehydes Revisited: A Study of the Stereoselectivity Upon Addition of Organometallic Reagents to Aldehydes and Ketones. European Journal of Organic Chemistry, 2010, 2010, 3883-3896.	1.2	13
136	Exploring the relationship between the conformation and pK_a: can a pK_avalue be used to determine the conformational equilibrium?. Organic and Biomolecular Chemistry, 2015, 13, 3116-3121.	1.5	13
137	Effective synthesis of negatively charged cyclodextrins. Selective access to phosphate cyclodextrins. Tetrahedron, 2008, 64, 7587-7593.	1.0	12
138	Conformationally superarmed S-ethyl glycosyl donors as effective building blocks for chemoselective oligosaccharide synthesis in one pot. Organic and Biomolecular Chemistry, 2017, 15, 559-563.	1.5	12
139	Synthesis of furan 4â€²-thio-C-nucleosides, their methylsulfonium and sulfoxide derivatives. Evaluation as glycosidase inhibitors. Tetrahedron, 2003, 59, 2801-2809.	1.0	11
140	Stereochemical substituent effects: investigation of the cyano, amide and carboxylate group. Tetrahedron, 2005, 61, 115-122.	1.0	11
141	QSAR studies and pharmacophore identification for arylsubstituted cycloalkenecarboxylic acid methyl esters with affinity for the human dopamine transporter. Bioorganic and Medicinal Chemistry, 2007, 15, 5262-5274.	1.4	11
142	An extended study of dimeric phenyl tropanes. Bioorganic and Medicinal Chemistry, 2009, 17, 4900-4909.	1.4	11
143	Substantial Spatial Flexibility and Hydrogen Bonding within the Catalysis Exerted by Cyclodextrin Artificial Glycosidases. European Journal of Organic Chemistry, 2010, 2010, 3487-3500.	1.2	11
144	Î²-Cyclodextrin as a mimetic of the natural GFP-chromophore environment. Tetrahedron Letters, 2012, 53, 973-976.	0.7	11

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145	Artificial enzyme activity from cyclodextrins with cyanohydrins on the secondary rim. Tetrahedron Letters, 2013, 54, 2458-2461.	0.7	11
146	On the nature of the electronic effect of multiple hydroxyl groups in the 6-membered ring â€“ the effects are additive but steric hindrance plays a role too. Organic and Biomolecular Chemistry, 2017, 15, 1164-1173.	1.5	11
147	An Inexpensive and Scalable Synthesis of Shld. Journal of Organic Chemistry, 2018, 83, 6050-6055.	1.7	11
148	Synthesis of (+)-Azafagomine from D-xylose. Synlett, 1999, 1999, 701-704.	1.0	10
149	Short synthesis of piperidine based hexopyranose minics. A remarkable example of syn hydrogenation. Tetrahedron Letters, 1999, 40, 367-370.	0.7	10
150	Slow inhibition of almond Î²-glucosidase by azasugars: determination of activation energies for slow binding. BBA - Proteins and Proteomics, 2001, 1545, 207-215.	2.1	10
151	Unusual hydrogen-bonding differences in stereoisomeric 6-C-alkylated cyclodextrinsElectronic supplementary information (ESI) available: IR spectra of compounds 5 and 7 in CH2Cl2 solution. See http://www.rsc.org/suppdata/p1/b2/b207033m/. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2880-2885.	1.3	10
152	Solution-phase combinatorial synthesis using multicomponent Grignard reagents. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 503-508.	1.3	10
153	Simple cyclodextrin aldehydes as excellent artificial oxidases. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 397-402.	1.6	10
154	Synthesis of Tinâ€Containing Cyclodextrins as Potential Enzyme Models. European Journal of Organic Chemistry, 2012, 2012, 6383-6389.	1.2	10
155	Synthesis of Cyclodextrins with Carboxylic Acids at the Secondary Rim and an Evaluation of Their Properties as Chemzymes for Glycoside Hydrolysis. European Journal of Organic Chemistry, 2012, 2012, 4063-4070.	1.2	10
156	A fluorescence study of isofagomine protonation in Î²-glucosidase. Organic and Biomolecular Chemistry, 2015, 13, 6562-6566.	1.5	10
157	Synthesis of 3-deoxy-3-fluoro-D-fructose. Journal of the Chemical Society Chemical Communications, 1992, , 445.	2.0	9
158	Hydroxymethylation of aldonolactones and a chemical synthesis of 3-deoxy-3-fluoro-d-fructose. Carbohydrate Research, 1994, 253, 195-206.	1.1	9
159	Synthesis of 6-deoxy-6-phenylisofagomine derivatives. Tetrahedron, 1997, 53, 6917-6924.	1.0	9
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