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	Taming of the DIBAL Promoted Debenzylation of Î±â€€cyclodextrin. Kinetics, Substituent Effects and Efficient Synthesis of Lings Tetrol**. Chemistry - A European Journal, 2022, 28, e202200564.	1.7	4
2	Silylated Sugars â€“ Synthesis and Properties. Synlett, 2022, 33, 415-428.	1.0	1
3	Attachment of cyclodextrin acids to PEGA resin and study of binding with fluorescence microscopy. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128060.	1.0	2
4	Iminoâ€•and Azasugar Protonation Inside Human Acid Î²â€€lucosidase, the Enzyme that is Defective in Gaucher Disease. Angewandte Chemie, 2020, 132, 10552-10555.	1.6	6
5	Synthesis of Isofagomine Derivatives as New Fluorescence pH Indicators/Glycosidase Inhibitors. European Journal of Organic Chemistry, 2020, 2020, 3989-3996.	1.2	4
6	Iminoâ€•and Azasugar Protonation Inside Human Acid Î²â€€lucosidase, the Enzyme that is Defective in Gaucher Disease. Angewandte Chemie - International Edition, 2020, 59, 10466-10469.	7.2	16
7	Design and Combinatorial Development of Shield-1 Peptide Mimetics Binding to Destabilized FKBP12. ACS Combinatorial Science, 2020, 22, 156-164.	3.8	4
8	Synthesis of Shld Derivatives, Their Binding to the Destabilizing Domain, and Influence on Protein Accumulation in Transgenic Plants. Journal of Medicinal Chemistry, 2019, 62, 5191-5216.	2.9	5
9	Zinc and Copper Complexes of Methylated Diâ€•and Tetraaminocyclodextrins. European Journal of Organic Chemistry, 2019, 2019, 1083-1091.	1.2	5
10	An Inexpensive and Scalable Synthesis of Shld. Journal of Organic Chemistry, 2018, 83, 6050-6055.	1.7	11
11	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
12	Glycosyl Fluorides as Intermediates in BF₃Â·OEt₂â€Promoted Glycosylation with Trichloroacetimidates. European Journal of Organic Chemistry, 2017, 2017, 1281-1284.	1.2	9
13	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
14	Determination of protonation states of iminosugarâ€“enzyme complexes using photoinduced electron transfer. Chemical Science, 2017, 8, 7383-7393.	3.7	17
15	Artificial Metallooxidases from Cyclodextrin Diacids. Chemistry - A European Journal, 2017, 23, 13766-13775.	1.7	21
16	Silyl-protective groups influencing the reactivity and selectivity in glycosylations. Beilstein Journal of Organic Chemistry, 2017, 13, 93-105.	1.3	59
17	Câ€“H Functionalization on Carbohydrates. European Journal of Organic Chemistry, 2016, 2016, 2740-2756.	1.2	34
18	Selenoureido-iminosugars: A new family of multitarget drugs. European Journal of Medicinal Chemistry, 2016, 123, 155-160.	2.6	27

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19	Super arming of a glycosyl donor using a molecular lever. Tetrahedron Letters, 2016, 57, 35-38.	0.7	5
20	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
21	Î²-Mannosylation with 4,6-benzylidene protected mannosyl donors without preactivation. Chemical Communications, 2015, 51, 13283-13285.	2.2	36
22	Mechanisms of Glycosylation Reactions Studied by Low-Temperature Nuclear Magnetic Resonance. Chemical Reviews, 2015, 115, 4963-5013.	23.0	142
23	Synthesis of <scp>l</scp>-Hexoses. Chemical Reviews, 2015, 115, 3615-3676.	23.0	68
24	A fluorescence study of isofagomine protonation in Î²-glucosidase. Organic and Biomolecular Chemistry, 2015, 13, 6562-6566.	1.5	10
25	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
26	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
27	Total Synthesis of Five Lipoteichoic acids of Clostridium difficile. Chemistry - A European Journal, 2014, 20, 13511-13516.	1.7	8
28	Î²-Selective Mannosylation with a 4,6-Silylene-Tethered Thiomannosyl Donor. Organic Letters, 2014, 16, 1116-1119.	2.4	67
29	Cyclodextrin-based artificial oxidases with high rate accelerations and selectivity. Tetrahedron Letters, 2014, 55, 2304-2307.	0.7	7
30	Superarming of Glycosyl Donors by Combined Neighboring and Conformational Effects. Organic Letters, 2013, 15, 4904-4907.	2.4	26
31	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
32	Influence of O6 in Mannosylations Using Benzylidene Protected Donors: Stereoelectronic or Conformational Effects?. Journal of Organic Chemistry, 2013, 78, 2191-2205.	1.7	41
33	Artificial enzyme activity from cyclodextrins with cyanohydrins on the secondary rim. Tetrahedron Letters, 2013, 54, 2458-2461.	0.7	11
34	Conformationally Armed 3,6-Tethered Glycosyl Donors: Synthesis, Conformation, Reactivity, and Selectivity. Journal of Organic Chemistry, 2013, 78, 7234-7248.	1.7	56
35	Synthesis and Thermotropic Phase Behavior of Four Glycoglycerolipids. Molecules, 2013, 18, 13546-13573.	1.7	6
36	Total synthesis of biologically active lipoteichoic acids. Arkivoc, 2013, 2013, 249-275.	0.3	0

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37	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
38	Synthesis of Tinâ€Containing Cyclodextrins as Potential Enzyme Models. European Journal of Organic Chemistry, 2012, 2012, 6383-6389.	1.2	10
39	Artificial enzymes based on cyclodextrin with phenol as the catalytic group. Tetrahedron Letters, 2012, 53, 5023-5026.	0.7	8
40	Two Diastereomeric Artificial Enzymes with Different Catalytic Activity. European Journal of Organic Chemistry, 2012, 2012, 5366-5372.	1.2	7
41	Rhamnosylation: Diastereoselectivity of Conformationally Armed Donors. Journal of Organic Chemistry, 2012, 77, 5559-5568.	1.7	40
42	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
43	Î²-Cyclodextrin as a mimetic of the natural GFP-chromophore environment. Tetrahedron Letters, 2012, 53, 973-976.	0.7	11
44	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
45	A uronic acid analogue of isofagomine lactam as a nanomolar glucuronidase inhibitor. Tetrahedron Letters, 2012, 53, 2045-2047.	0.7	4
46	An Isofagomine Analogue with an Amidine at the Pseudoanomeric Position. Organic Letters, 2011, 13, 2908-2911.	2.4	15
47	The Influence of Neighboring Group Participation on the Hydrolysis of 2-O-Substituted Methyl Glucopyranosides. Organic Letters, 2011, 13, 5956-5959.	2.4	32
48	A study of anhydrocelluloses â€“ Is a cellulose structure with residues in a 1C4-conformation more prone to hydrolysis?. Organic and Biomolecular Chemistry, 2011, 9, 7525.	1.5	8
49	Simple cyclodextrin aldehydes as excellent artificial oxidases. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 397-402.	1.6	10
50	Substrate structure governs maximum rate of catalysis exerted by cyclodextrin oxidase chemzymes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 417-423.	1.6	2
51	Regioselective difunctionalization of cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 425-431.	1.6	6
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	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
54	Recognition of Peptides by Cyclodextrin Trimers. European Journal of Organic Chemistry, 2011, 2011, 5279-5290.	1.2	22

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55	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
56	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
57	Quantifying the Electronic Effects of Carbohydrate Hydroxy Groups by Using Aminosugar Models. Chemistry - A European Journal, 2011, 17, 7080-7086.	1.7	42
58	Glycosyl donors in â€œunusualâ€•conformations â€“ influence on reactivity and selectivity. Comptes Rendus Chimie, 2011, 14, 17-43.	0.2	66
59	Synthesis of monofluorinated isofagomine analogues and evaluation as glycosidase inhibitors. Journal of Fluorine Chemistry, 2011, 132, 838-845.	0.9	15
60	Aminoâ€“Acetoneâ€Bridged Cyclodextrins â€• Artificial Alcohol Oxidases. European Journal of Organic Chemistry, 2010, 2010, 157-167.	1.2	15
61	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
62	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
63	Quantifying Electronic Effects of Common Carbohydrate Protecting Groups in a Piperidine Model System. Chemistry - A European Journal, 2010, 16, 13982-13994.	1.7	48
64	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
65	Cyclodextrins as Supramolecular Organo-Catalysts. Current Organic Chemistry, 2010, 14, 1380-1398.	0.9	34
66	First Step in Chemical Preparation of Metal Nanogaps Bridged by Thiol End-Capped Molecular Wires. Journal of Physical Chemistry B, 2010, 114, 11771-11777.	1.2	9
67	Substrate control through per-O-methylation of cyclodextrin acids. Chemical Communications, 2010, 46, 7769.	2.2	7
68	Cyclodextrin derivatives that display Enzyme Catalysis. Trends in Glycoscience and Glycotechnology, 2009, 21, 309-323.	0.0	24
69	Cyclodextrin Aldehydes are Oxidase Mimics. ChemBioChem, 2009, 10, 2494-2503.	1.3	27
70	Synthesis and biological evaluation of potent glycosidase inhibitors: 4-deoxy-4,4-difluoroisofagomine and analogues. Tetrahedron, 2009, 65, 3717-3727.	1.0	17
71	An extended study of dimeric phenyl tropanes. Bioorganic and Medicinal Chemistry, 2009, 17, 4900-4909.	1.4	11
72	Selective Discrimination of Cyclodextrin Diols Using Cyclic Sulfates. Organic Letters, 2009, 11, 1983-1985.	2.4	29

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73	Difluoromethylenated polyhydroxylated pyrrolidines: facile synthesis, crystal structure and biological evaluation. Future Medicinal Chemistry, 2009, 1, 991-997.	1.1	2
74	Cyclodextrin ketones as oxidation catalysts: Investigation of bridged derivatives. Organic and Biomolecular Chemistry, 2009, 7, 933.	1.5	20
75	Artificial enzymes, â€œChemzymesâ€• current state and perspectives. Applied Microbiology and Biotechnology, 2008, 81, 1-11.	1.7	113
76	Hydrolysis of Toxic Natural Glucosides Catalyzed by Cyclodextrin Dicyanohydrins. European Journal of Organic Chemistry, 2008, 2008, 745-752.	1.2	23
77	Effective synthesis of negatively charged cyclodextrins. Selective access to phosphate cyclodextrins. Tetrahedron, 2008, 64, 7587-7593.	1.0	12
78	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
79	Conformationally armed glycosyl donors: reactivity quantification, new donors and one pot reactions. Chemical Communications, 2008, , 2465.	2.2	77
80	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
81	Anomer-Selective Glycosidase Inhibition by 2-N-Alkylated 1-Azafagomines. ChemBioChem, 2007, 8, 657-661.	1.3	14
82	Going to Extremes: â€œSuperâ€•Armed Glycosyl Donors in Glycosylation Chemistry. Chemistry - A European Journal, 2007, 13, 7576-7582.	1.7	85
83	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
84	Active Site Protonation of 1-Azafagomine in Glucosidases Studied by Solid-State NMR Spectroscopy. European Journal of Organic Chemistry, 2007, 2007, 1735-1742.	1.2	8
85	New cup-shaped Î±-cyclodextrin derivatives and a study of their catalytic properties in oxidation reactions. Tetrahedron, 2007, 63, 8872-8880.	1.0	22
86	Synthesis, inhibition and binding of simple non-nitrogen inhibitors of monoamine transporters. Bioorganic and Medicinal Chemistry, 2007, 15, 4159-4174.	1.4	20
87	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
88	High dopamine transporter selectivity can be displayed by remarkably simple non-nitrogen containing inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6019-6025.	1.0	1
89	Stereoelectronic Substituent Effects. Accounts of Chemical Research, 2006, 39, 259-265.	7.6	139
90	Synthesis and Biological Evaluation of Glycosidase Inhibitors:â€‰ gem-Difluoromethylenated Nojirimycin Analogues. Journal of Medicinal Chemistry, 2006, 49, 2989-2997.	2.9	45

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91	Cyclodextrin derivatives with cyanohydrin and carboxylate groups as artificial glycosidases. Canadian Journal of Chemistry, 2006, 84, 650-658.	0.6	19
92	Very High Rate Enhancement of Benzyl Alcohol Oxidation by an Artificial Enzyme. Angewandte Chemie - International Edition, 2006, 45, 4590-4593.	7.2	86
93	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
94	Stereochemical substituent effects: investigation of the cyano, amide and carboxylate group. Tetrahedron, 2005, 61, 115-122.	1.0	11
95	Artificial Epoxidase II. Synthesis of Cyclodextrin Ketoesters and Epoxidation of Alkenes. European Journal of Organic Chemistry, 2005, 2005, 2734-2739.	1.2	32
96	Artificial Glycosyl Phosphorylases. Chemistry - A European Journal, 2005, 11, 5094-5101.	1.7	40
97	Safe Radical Azidonation Using Polystyrene Supported Diazidoiodate(I).. ChemInform, 2005, 36, no.	0.1	0
98	Cyclodextrins Containing an Acetone Bridge. Synthesis and Study as Epoxidation Catalysts.. ChemInform, 2005, 36, no.	0.1	0
99	Radical Substitution with Azide: TMSN3â€"PhI(OAc)2 as a Substitute of IN3.. ChemInform, 2005, 36, no.	0.1	0
100	Safe radical azidonation using polystyrene supported diazidoiodate(I). Tetrahedron, 2005, 61, 123-127.	1.0	33
101	Supramolecular Oxidation of Anilines Using Hydrogen Peroxide as Stoichiometric Oxidant. Journal of the American Chemical Society, 2005, 127, 17578-17579.	6.6	62
102	Four Orders of Magnitude Rate Increase in Artificial Enzyme-Catalyzed Aryl Glycoside Hydrolysis. Journal of Organic Chemistry, 2005, 70, 7217-7226.	1.7	45
103	Radical substitution with azide: TMSN3â€"PhI(OAc)2as a substitute of IN3. Organic and Biomolecular Chemistry, 2005, 3, 816-822.	1.5	92
104	Remarkable Supramolecular Catalysis of Glycoside Hydrolysis by a Cyclodextrin Cyanohydrin. Journal of the American Chemical Society, 2005, 127, 3238-3239.	6.6	110
105	On the electronic effects of OH groups. Synthesis and investigation of tetrahydroxylated azabicycloheptanes. Organic and Biomolecular Chemistry, 2005, 3, 1514.	1.5	8
106	Benzyl 4-C-nitrosomethyl-Î²-D-arabinopyranoside. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o660-o661.	0.2	0
107	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
108	Radical Azidonation of Aldehydes.. ChemInform, 2004, 35, no.	0.1	0

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109	An artificial enzyme that catalyzes hydrolysis of aryl glycosides. Tetrahedron Letters, 2004, 45, 8709-8711.	0.7	44
110	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
111	Two- and Three Dimensional Combinatorial Chemistry from Multicomponent Grignard Reagents. ACS Combinatorial Science, 2004, 6, 509-519.	3.3	13
112	Synthesis and Chemistry of Noeuromycin and Isofagomine Analogues. Journal of Carbohydrate Chemistry, 2004, 23, 223-238.	0.4	13
113	Cyclodextrins containing an acetone bridge. Synthesis and study as epoxidation catalysts. Organic and Biomolecular Chemistry, 2004, 2, 3476.	1.5	46
114	Combinatorial synthesis of benztropine libraries and their evaluation as monoamine transporter inhibitors. Organic and Biomolecular Chemistry, 2004, 2, 2861-2869.	1.5	24
115	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
116	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
117	Steric Effects Are Not the Cause of the Rate Difference in Hydrolysis of Stereoisomeric Glycosides. Organic Letters, 2003, 5, 3419-3421.	2.4	62
118	Radical Azidonation of Aldehydes. Journal of Organic Chemistry, 2003, 68, 9453-9455.	1.7	85
119	Isofagomine lactams, synthesis and enzyme inhibition. Organic and Biomolecular Chemistry, 2003, 1, 282-287.	1.5	30
120	Aziridines as a structural motif to conformational restriction of azasugars. Organic and Biomolecular Chemistry, 2003, 1, 478-482.	1.5	13
121	An Azido-Hanessian Reaction. Synlett, 2002, 2002, 1111-1112.	1.0	22
122	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
123	Recent Developments of Transition-State Analogue Glycosidase Inhibitors of Non-Natural Product Origin. Chemical Reviews, 2002, 102, 515-554.	23.0	673
124	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
125	Investigation of the base promoted tandem syn-eliminationâ€“Favorskii rearrangement of levoglucosan sulfonates. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1297-1301.	1.3	7
126	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

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127	Synthesis and investigation of L-fuco- and D-glucurono-azafagomine. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1190-1198.	1.3	37
128	Solution-phase combinatorial synthesis using multicomponent Grignard reagents. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 503-508.	1.3	10
129	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
130	Stereoelectronic Substituent Effects in Polyhydroxylated Piperidines and Hexahydropyridazines. Chemistry - A European Journal, 2002, 8, 1218.	1.7	85
131	A bioisosteric oligosaccharide mimetic based on isofagomine-type monomers. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2764-2773.	1.3	4
132	Isogalactofagomine lactam. A neutral nanomolar galactosidase inhibitor. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1584-1585.	1.3	13
133	Noeuromycin,1A Glycosyl Cation Mimic that Strongly Inhibits Glycosidases. Journal of the American Chemical Society, 2001, 123, 5116-5117.	6.6	95
134	Garner's aldehyde. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2136-2157.	1.3	128
135	Synthesis of 1-azagalactofagomine, a potent galactosidase inhibitor. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 905-909.	1.3	32
136	Accurate Determination of Rate Constants of Very Slow, Tight-Binding Competitive Inhibitors by Numerical Solution of Differential Equations, Independently of Precise Knowledge of the Enzyme Concentration. Analytical Biochemistry, 2001, 295, 186-193.	1.1	6
137	Synthesis of 5-Azacastanospermine, a Conformationally Restricted Azafagomine Analogue. Chemistry - A European Journal, 2001, 7, 2324-2331.	1.7	18
138	Efficient Synthesis of Isofagomine and Noeuromycin. Chemistry - A European Journal, 2001, 7, 3744-3747.	1.7	43
139	Radical Azidonation of Benzylic Positions with Iodonium Azide. Angewandte Chemie - International Edition, 2001, 40, 623-625.	7.2	57
140	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
141	Specific Glycosidase Activity Isolated from a Random Phage Display Antibody Library. Biotechnology Progress, 2001, 17, 197-202.	1.3	5
142	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
143	Synthesis of an 1â€²-Azasugar Analogue of Maltose. Synthesis, 2001, 2001, 0339-0342.	1.2	8
144	Radical Azidonation of Benzylic Positions with Iodonium Azide. Angewandte Chemie - International Edition, 2001, 40, 623-625.	7.2	3

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145	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
146	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
147	Enantiospecific Synthesis of 1-Azafagomine. Chemistry - A European Journal, 2000, 6, 278-287.	1.7	63
148	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
149	Direct NMR-Spectroscopic Determination of Active-Enzyme Concentration by Titration with a Labeled Inhibitor: Determination of thekcat Value of AlmondÎ²-Glucosidase. ChemBioChem, 2000, 1, 177-180.	1.3	8
150	A Method forSyn-Dihydroxylation of Double BondsCisto a Hydroxymethyl Substituent. Journal of Organic Chemistry, 2000, 65, 2797-2801.	1.7	17
151	Processing Glucosidase Inhibition by 1-Azafagomine. Bioscience, Biotechnology and Biochemistry, 2000, 64, 1103-1105.	0.6	7
152	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
153	Synthesis of (Â±)-isofagomine and its stereoisomers from arecoline. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 911-915.	1.3	23
154	Azafagomine hydrazones: an argument against a â€œFlatâ€•transition state in glycoside cleavage. Perkin Transactions II RSC, 2000, , 665-667.	1.1	6
155	Synthesis of 3-C-hydroxymethyl- and 3-deoxyisofagomine and investigation of their binding to Î²-glucosidase. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 667-670.	1.3	9
156	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
157	Chemoenzymatic Synthesis of Isogalactofagomine. Journal of Organic Chemistry, 2000, 65, 7432-7437.	1.7	42
158	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
159	Synthesis of (+)-Azafagomine from D-xylose. Synlett, 1999, 1999, 701-704.	1.0	10
160	Short synthesis of piperidine based hexopyranose minics. A remarkable example of syn hydrogenation. Tetrahedron Letters, 1999, 40, 367-370.	0.7	10
161	The first combinatorial library of azasugar glycosidase inhibitors. Tetrahedron Letters, 1999, 40, 3033-3036.	0.7	25
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