Atsushi Kato

List of Publications by Year
in descending order

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192	6,969	53794 45	79698 73
papers	citations	h-index	g-index

208	208	208	4962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, conformational analysis and glycosidase inhibition of bicyclic nojirimycin C-glycosides based on an octahydrofuro[3,2-b]pyridine motif. Carbohydrate Research, 2022, 511, 108491.	2.3	3
2	5-C-Branched Deoxynojirimycin: Strategy for Designing a 1-Deoxynojirimycin-Based Pharmacological Chaperone with a Nanomolar Affinity for Pompe Disease. Journal of Medicinal Chemistry, 2022, 65, 2329-2341.	6.4	11
3	Divergent Synthesis of Decahydroquinolineâ€Type Poisonâ€Frog Alkaloids. ChemistrySelect, 2022, 7, .	1.5	1
4	Design, synthesis and glycosidase inhibition of C-4 branched LAB and DAB derivatives. European Journal of Medicinal Chemistry, 2022, 233, 114230.	5.5	5
5	Diastereoselective Synthesis, Glycosidase Inhibition, and Docking Study of C-7-Fluorinated Casuarine and Australine Derivatives. Journal of Organic Chemistry, 2022, , .	3.2	5
6	Borylated 2,3,4,5-Tetrachlorophthalimide and Their 2,3,4,5-Tetrachlorobenzamide Analogues: Synthesis, Their Glycosidase Inhibition and Anticancer Properties in View to Boron Neutron Capture Therapy. Molecules, 2022, 27, 3447.	3.8	4
7	Iminosugar Amino Acid idoBR1 Reduces Inflammatory Responses in Microglia. Molecules, 2022, 27, 3342.	3.8	1
8	trans, trans-2-C-Aryl-3,4-dihydroxypyrrolidines as potent and selective Î²-glucosidase inhibitors: Pharmacological chaperones for Gaucher disease. European Journal of Medicinal Chemistry, 2022, 238, 114499.	5.5	5
9	Introduction of C-alkyl branches to <scp>l</scp>-iminosugars changes their active site binding orientation. Organic and Biomolecular Chemistry, 2022, 20, 7250-7260.	2.8	2
10	Synthesis and chelation study of a fluoroionophore and a glycopeptide based on an aza crown iminosugar structure. Carbohydrate Research, 2021, 501, 108258.	2.3	1
11	Synthesis and Structural Revision of Glyphaeaside C. Organic Letters, 2021, 23, 4029-4033.	4.6	5
12	Azobenzene derivatives show anti-cancer activity against pancreatic cancer cells only under nutrient starvation conditions via G0/G1 cell cycle arrest. Tetrahedron, 2021, 85, 132077.	1.9	3
13	Iminosugar C â€Glycosides Work as Pharmacological Chaperones of NAGLU, a Glycosidase Involved in MPS IIIB Rare Disease**. Chemistry - A European Journal, 2021, 27, 11291-11297.	3.3	4
14	Synthesis and glycosidase inhibition of 5-C-alkyl-DNJ and 5-C-alkyl-l-ido-DNJ derivatives. European Journal of Medicinal Chemistry, 2021, 224, 113716.	5.5	13
15	Stereocomplementary synthesis of casuarine and its 6-epi-, 7-epi-, and 6,7-diepi-stereoisomers. Organic and Biomolecular Chemistry, 2021, 19, 9410-9420.	2.8	6
16	Structural variation of the 3-acetamido-4,5,6-trihydroxyazepane iminosugar through epimerization and C-alkylation leads to low micromolar HexAB and NagZ inhibitors. Organic and Biomolecular Chemistry, 2021, , .	2.8	3
17	Hanessian-Hullar reaction in the synthesis of highly substituted trans-3,4-dihydroxypyrrolidines: Rhamnulose iminosugar mimics inhibit Îł±-glucosidase. Tetrahedron, 2020, 76, 130758.	1.9	2
18	Synthesis and glycosidase inhibition of N-substituted derivatives of 1,4-dideoxy-1,4-imino-d-mannitol (DIM). Organic and Biomolecular Chemistry, 2020, 18, 999-1011.	2.8	17

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19	A divergent entry to 1,2,3,9-tetrahydroxyquinolizidines. Tetrahedron Letters, 2020, 61, 152030.	1.4	0
20	Strategy for Designing Selective Lysosomal Acid Î±-Glucosidase Inhibitors: Binding Orientation and Influence on Selectivity. Molecules, 2020, 25, 2843.	3.8	10
21	Synthesis of multimeric pyrrolidine iminosugar inhibitors of human Î²-glucocerebrosidase and Î±-galactosidase A: First example of a multivalent enzyme activity enhancer for Fabry disease. European Journal of Medicinal Chemistry, 2020, 192, 112173.	5.5	16
22	Synthesis of Pyrrolidine Monocyclic Analogues of Pochonicine and Its Stereoisomers: Pursuit of Simplified Structures and Potent Î²-N-Acetylhexosaminidase Inhibition. Molecules, 2020, 25, 1498.	3.8	6
23	Synthesis and glycosidase inhibition of conformationally locked DNJ and DMJ derivatives exploiting a 2-oxo-C-allyl iminosugar. Organic and Biomolecular Chemistry, 2019, 17, 7204-7214.	2.8	7
24	Effect of kamikihito on platelet count: Retrospective pilot study. Traditional & Kampo Medicine, 2019, 6, 130-133.	0.6	0
25	Chain-Branched Polyhydroxylated Octahydro-1H-Indoles as Potential Leads against Lysosomal Storage Diseases. Pharmaceuticals, 2019, 12, 47.	3.8	0
26	Corrected Structure of Natural Hyacinthacine C₁ via Total Synthesis. Journal of Natural Products, 2019, 82, 358-367.	3.0	10
27	Isolation from Stevia rebaudiana of DMDP acetic acid, a novel iminosugar amino acid: synthesis and glycosidase inhibition profile of glycine and Î²-alanine pyrrolidine amino acids. Amino Acids, 2019, 51, 991-998.	2.7	7
28	Characterizing the selectivity of ER Î±-glucosidase inhibitors. Glycobiology, 2019, 29, 530-542.	2.5	15
29	Exploring substituent diversity on pyrrolidine-aryltriazole iminosugars: Structural basis of Î²-glucocerebrosidase inhibition. Bioorganic Chemistry, 2019, 86, 652-664.	4.1	17
30	Bi(OTf)3-mediated intramolecular epoxide opening for bicyclic azepane synthesis. Journal of Carbohydrate Chemistry, 2019, 38, 139-149.	1.1	2
31	Catalytic asymmetric synthesis of stereoisomers of 1-C-n-butyl-LABs for the SAR study of Î±-glucosidase inhibition. Tetrahedron, 2019, 75, 2866-2876.	1.9	4
32	Ginnalin B induces differentiation markers and modulates the proliferation/differentiation balance via the upregulation of NOTCH1 in human epidermal keratinocytes. Bioorganic and Medicinal Chemistry, 2019, 27, 2172-2180.	3.0	6
33	Synthesis and Glycosidase Inhibition of Broussonetine M and Its Analogues. Molecules, 2019, 24, 3712.	3.8	12
34	Design and synthesis of Nâ€“acetylglucosamine derived 5a-carbasugar analogues as glycosidase inhibitors. Tetrahedron, 2018, 74, 1957-1964.	1.9	8
35	Total Synthesis of Natural Hyacinthacine C₅ and Six Related Hyacinthacine C₅ Epimers. Journal of Organic Chemistry, 2018, 83, 5558-5576.	3.2	25
36	ToP-DNJ, a Selective Inhibitor of Endoplasmic Reticulum Î±-Glucosidase II Exhibiting Antiflaviviral Activity. ACS Chemical Biology, 2018, 13, 60-65.	3.4	28

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37	Synthetic Routes to 3,4,5â€Trihydroxypiperidines via Stereoselective and Biocatalysed Protocols, and Strategies to Nâ€•and Oâ€Derivatisation. European Journal of Organic Chemistry, 2018, 2018, 6830-6842.	2.4	8
38	Design of a New Î±-1-C-Alkyl-DAB Derivative Acting as a Pharmacological Chaperone for Î²-Glucocerebrosidase Using Ligand Docking and Molecular Dynamics Simulation. Molecules, 2018, 23, 2683.	3.8	10
39	2â€Acetamidoâ€2â€deoxyâ€<scp>l</scp>â€iminosugar Câ€Alkyl and Câ€Aryl Glycosides: Synthesis and Glycosidase Inhibition. European Journal of Organic Chemistry, 2018, 2018, 5477-5488.	2.4	10
40	Divergent synthesis of new Î±-glucosidase inhibitors obtained through a vinyl Grignard-mediated carbocyclisation. Organic and Biomolecular Chemistry, 2018, 16, 6250-6261.	2.8	4
41	Discovery of a Potent Î±-Galactosidase Inhibitor by in Situ Analysis of a Library of Pyrrolizidineâ€“(Thio)urea Hybrid Molecules Generated via Click Chemistry. Journal of Organic Chemistry, 2018, 83, 8863-8873.	3.2	7
42	Biological activities of 3,4,5â€trihydroxypiperidines and their Nâ€•and Oâ€derivatives. Chemical Biology and Drug Design, 2018, 92, 1171-1197.	3.2	29
43	Discovery of hyaluronidase inhibitors from natural products and their mechanistic characterization under DMSO-perturbed assay conditions. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1620-1623.	2.2	14
44	Selective trihydroxylated azepane inhibitors of NagZ, a glycosidase involved in Pseudomonas aeruginosa resistance to Î²-lactam antibiotics. Organic and Biomolecular Chemistry, 2017, 15, 4609-4619.	2.8	12
45	Synthesis and characterization of novel, conjugated, fluorescent DNJ derivatives for Î±-glucosidase recognition. Bioorganic and Medicinal Chemistry, 2017, 25, 773-778.	3.0	15
46	Synthesis and glycosidase inhibition of C-7 modified casuarine derivatives. Chinese Chemical Letters, 2017, 28, 1701-1704.	9.0	3
47	Multivalency To Inhibit and Discriminate Hexosaminidases. Chemistry - A European Journal, 2017, 23, 9022-9025.	3.3	28
48	In silicoanalyses of essential interactions of iminosugars with the Hex A active site and evaluation of their pharmacological chaperone effects for Tayâ€“Sachs disease. Organic and Biomolecular Chemistry, 2017, 15, 9297-9304.	2.8	18
49	Tuning of Î²-glucosidase and Î±-galactosidase inhibition by generation and in situ screening of a library of pyrrolidine-triazole hybrid molecules. European Journal of Medicinal Chemistry, 2017, 138, 532-542.	5.5	25
50	Strategy for designing selective Î±-l-rhamnosidase inhibitors: Synthesis and biological evaluation of l-DMDP cyclic isothioureas. Bioorganic and Medicinal Chemistry, 2017, 25, 107-115.	3.0	10
51	Phytogenic Polyphenols as Glycogen Phosphorylase Inhibitors: The Potential of Triterpenes and Flavonoids for Glycaemic Control in Type 2 Diabetes. Current Medicinal Chemistry, 2017, 24, 384-403.	2.4	30
52	Fluorinated Radicamine A and B: Synthesis and Glycosidase Inhibition. European Journal of Organic Chemistry, 2016, 2016, 1429-1438.	2.4	18
53	Synthesis of new tricyclic thiolactams as potent antitumor agent for pancreatic cancer. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2577-2579.	2.2	11
54	Epimerization of C5 of an N-hydroxypyrrolidine in the synthesis of swainsonine related iminosugars. Organic and Biomolecular Chemistry, 2016, 14, 4488-4498.	2.8	13

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55	Synthesis of 3-(2-nitrovinyl)-4H-chromones: useful scaffolds for the construction of biologically relevant 3-(pyrazol-5-yl)chromones. Tetrahedron, 2016, 72, 3198-3203.	1.9	11
56	Concise synthesis of calystegines B₂ and B₃via intramolecular Nozakiâ€“Hiyamaâ€“Kishi reaction. Organic and Biomolecular Chemistry, 2016, 14, 4885-4896.	2.8	10
57	First total synthesis of (+)-broussonetine W: glycosidase inhibition of natural product & analogs. Organic and Biomolecular Chemistry, 2016, 14, 5157-5174.	2.8	28
58	Structural essentials for Î²-N-acetylhexosaminidase inhibition by amides of prolines, pipecolic and azetidine carboxylic acids. Organic and Biomolecular Chemistry, 2016, 14, 10371-10385.	2.8	17
59	3-Azidoazetidines as the first scaffolds for Î²-amino azetidine carboxylic acid peptidomimetics: azetidine iminosugars containing an acetamido group do not inhibit Î²- N -acetylhexosaminidases. Tetrahedron: Asymmetry, 2016, 27, 872-881.	1.8	4
60	6â€Deoxyhexoses from <scp>l</scp>â€Rhamnose in the Search for Inducers of the Rhamnose Operon: Synergy of Chemistry and Biotechnology. Chemistry - A European Journal, 2016, 22, 12557-12565.	3.3	8
61	Dual action of acertannins as potential regulators of intracellular ceramide levels. Tetrahedron: Asymmetry, 2016, 27, 1177-1185.	1.8	6
62	Interpreting the behavior of concentrationâ€“response curves of hyaluronidase inhibitors under DMSO-perturbed assay conditions. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3153-3157.	2.2	7
63	Synthetic Chemical Inducers and Genetic Decoupling Enable Orthogonal Control of the rhaBAD Promoter. ACS Synthetic Biology, 2016, 5, 1136-1145.	3.8	47
64	Gem-difluoromethylated and trifluoromethylated derivatives of DMDP-related iminosugars: synthesis and glycosidase inhibition. Organic and Biomolecular Chemistry, 2016, 14, 2249-2263.	2.8	19
65	Docking study and biological evaluation of pyrrolidine-based iminosugars as pharmacological chaperones for Gaucher disease. Organic and Biomolecular Chemistry, 2016, 14, 1039-1048.	2.8	46
66	Inhibition of endoplasmic reticulum glucosidases is required for inÂvitro and inÂvivo dengue antiviral activity by the iminosugar UV-4. Antiviral Research, 2016, 129, 93-98.	4.1	52
67	Iminosugars Inhibit Dengue Virus Production via Inhibition of ER Alpha-Glucosidasesâ€”Not Glycolipid Processing Enzymes. PLoS Neglected Tropical Diseases, 2016, 10, e0004524.	3.0	69
68	Synthesis and Evaluations of GLP-1 Secretion and Anti-Diabetic Effect in KKAy Mice of New Tricyclic Compounds. Heterocycles, 2015, 90, 372.	0.7	1
69	Î³-Aminoalcohol rearrangement applied to pentahydroxylated azepanes provides pyrrolidines epimeric to homoDMDP. Organic and Biomolecular Chemistry, 2015, 13, 3446-3456.	2.8	5
70	Isolation and SAR studies of bicyclic iminosugars from Castanospermum australe as glycosidase inhibitors. Phytochemistry, 2015, 111, 124-131.	2.9	17
71	Synthesis and Glycosidase Inhibition of Australine and Its Fluorinated Derivatives. Organic Letters, 2015, 17, 716-719.	4.6	43
72	Synthesis of pyrrolidine-based analogues of 2-acetamidosugars asÂN-acetyl-d-glucosaminidase inhibitors. Carbohydrate Research, 2015, 409, 56-62.	2.3	7

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73	3-Fluoroazetidinecarboxylic Acids and trans,trans-3,4-Difluoroproline as Peptide Scaffolds: Inhibition of Pancreatic Cancer Cell Growth by a Fluoroazetidine Iminosugar. Journal of Organic Chemistry, 2015, 80, 4244-4258.	3.2	24
74	Fluorinated and Conformationally Fixed Derivatives of <scp>l</scp>-HomoDMDP: Synthesis and Glycosidase Inhibition. Journal of Organic Chemistry, 2015, 80, 5151-5158.	3.2	16
75	Design and Synthesis of Labystegines, Hybrid Iminosugars from LAB and Calystegine, as Inhibitors of Intestinal Î±-Glucosidases: Binding Conformation and Interaction for ntSI. Journal of Organic Chemistry, 2015, 80, 4501-4515.	3.2	36
76	Stable analogues of nojirimycin â€“ synthesis and biological evaluation of nojiristegine and manno-nojiristegine. Organic and Biomolecular Chemistry, 2015, 13, 9637-9658.	2.8	13
77	Synthetic deoxynojirimycin derivatives bearing a thiolated, fluorinated or unsaturated N-alkyl chain: identification of potent Î±-glucosidase and trehalase inhibitors as well as F508del-CFTR correctors. Organic and Biomolecular Chemistry, 2015, 13, 10734-10744.	2.8	19
78	Enantiodivergent strategy for the synthesis of polyhydroxylated pyrrolizidines and evaluation of their inhibitory activities against glycosidases. Tetrahedron Letters, 2015, 56, 331-334.	1.4	4
79	N- and C-alkylation of seven-membered iminosugars generates potent glucocerebrosidase inhibitors and F508del-CFTR correctors. Organic and Biomolecular Chemistry, 2014, 12, 8977-8996.	2.8	26
80	Docking and SAR studies of calystegines: Binding orientation and influence on pharmacological chaperone effects for Gaucherâ€™s disease. Bioorganic and Medicinal Chemistry, 2014, 22, 2435-2441.	3.0	13
81	Iteamine, the first alkaloid isolated from Itea virginica L. inflorescence. Phytochemistry, 2014, 100, 126-131.	2.9	24
82	Synthesis of 1,2-cis-Homoiminosugars Derived from GlcNAc and GalNAc Exploiting a Î²-Amino Alcohol Skeletal Rearrangement. Organic Letters, 2014, 16, 5512-5515.	4.6	29
83	Synthesis of 1,2-trans-2-Acetamido-2-deoxyhomoiminosugars. Organic Letters, 2014, 16, 5516-5519.	4.6	21
84	Synthesis of the enantiomers of XYLNAc and LYXNAc: comparison of Î²-N-acetylhexosaminidase inhibition by the 8 stereoisomers of 2-N-acetylamino-1,2,4-trideoxy-1,4-iminopentitols. Organic and Biomolecular Chemistry, 2014, 12, 3932.	2.8	20
85	Effects of eugenol-reduced clove extract on glycogen phosphorylase b and the development of diabetes in db/db mice. Food and Function, 2014, 5, 214-219.	4.6	22
86	Synthesis and biological evaluation of Î±-1-C-4â€²-arylbutyl-l-arabinoiminofuranoses, a new class of Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3298-3301.	2.2	10
87	Nine of 16 Stereoisomeric Polyhydroxylated Proline Amides Are Potent Î²-N-Acetylhexosaminidase Inhibitors. Journal of Organic Chemistry, 2014, 79, 3398-3409.	3.2	30
88	Novel 2-aryl-3,4,5-trihydroxypiperidines: Synthesis and glycosidase inhibition. Chinese Chemical Letters, 2013, 24, 1059-1063.	9.0	10
89	Skeletal rearrangement of seven-membered iminosugars: Synthesis of (â^')-adenophorine, (â^')-1-epi-adenophorine and derivatives and evaluation as glycosidase inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 4803-4812.	3.0	11
90	(3R,4S,5R,6R,7S)-3,4,5,7-Tetrahydroxyconidine, an azetidine analogue of 6,7-diepicastanospermine and a conformationally constrained d-deoxyaltronojirimycin, from l-arabinose. Bioorganic and Medicinal Chemistry, 2013, 21, 4813-4819.	3.0	7

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91	Total Synthesis and Glycosidase Inhibition of Broussonetine I and J₂. Journal of Organic Chemistry, 2013, 78, 7896-7902.	3.2	31
92	An approach to 8 stereoisomers of homonojirimycin from d-glucose via kinetic & thermodynamic azido-Î³-lactones. Organic and Biomolecular Chemistry, 2013, 11, 6886.	2.8	14
93	Synthesis of Eight Stereoisomers of Pochonicine: Nanomolar Inhibition of Î²-N-Acetylhexosaminidases. Journal of Organic Chemistry, 2013, 78, 10298-10309.	3.2	47
94	Synthesis of phenylalkyl-substituted polyhydroxypiperidines asÂpotent inhibitors for Î±-l-fucosidase. Tetrahedron, 2013, 69, 10653-10661.	1.9	8
95	General Synthesis of Sugar-Derived Azepane Nitrones: Precursors of Azepane Iminosugars. Journal of Organic Chemistry, 2013, 78, 3208-3221.	3.2	35
96	C-Branched Iminosugars: Î±-Glucosidase Inhibition by Enantiomers of isoDMDP, isoDGDP, and isoDABâ€“<scp>l</scp>-isoDMDP Compared to Miglitol and Miglustat. Journal of Organic Chemistry, 2013, 78, 7380-7397.	3.2	44
97	Sourcing the affinity of flavonoids for the glycogen phosphorylase inhibitor site via crystallography, kinetics and QM/MM-PBSA binding studies: Comparison of chrysin and flavopiridol. Food and Chemical Toxicology, 2013, 61, 14-27.	3.6	29
98	NHC-mediated cross-coupling of sugar-derived cyclic nitrones with enals: general and efficient synthesis of polyhydroxylated pyrrolizidines and indolizidines. Organic and Biomolecular Chemistry, 2013, 11, 4622.	2.8	29
99	Stereoselective Total Synthesis of (â€“)â€Batzellasides A, B, and C. European Journal of Organic Chemistry, 2013, 2013, 2841-2848.	2.4	6
100	Protective Effects of Dietary 1,5-Anhydro-d-glucitol as a Blood Glucose Regulator in Diabetes and Metabolic Syndrome. Journal of Agricultural and Food Chemistry, 2013, 61, 611-617.	5.2	14
101	Synthesis and biological evaluation of N-(2-fluorophenyl)-2Î²-deoxyfuconojirimycin acetamide as a potent inhibitor for Î±-l-fucosidases. Bioorganic and Medicinal Chemistry, 2013, 21, 6565-6573.	3.0	6
102	Glucosylceramide Mimics: Highly Potent GCase Inhibitors and Selective Pharmacological Chaperones for Mutations Associated with Typesâ€…1 and 2 Gaucher Disease. ChemMedChem, 2013, 8, 1805-1817.	3.2	27
103	3â€Hydroxyazetidine Carboxylic Acids: Nonâ€Proteinogenic Amino Acids for Medicinal Chemists. ChemMedChem, 2013, 8, 658-666.	3.2	23
104	1-O-Benzyl-2,3-O-isopropylidene-6-O-tosyl-Î±-L-sorbofuranose. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1069-o1070.	0.2	1
105	Azetidine Iminosugars from the Cyclization of 3,5-Di-O-triflates of Î±-Furanosides and of 2,4-Di-O-triflates of Î²-Pyranosides Derived from Glucose. Organic Letters, 2012, 14, 2142-2145.	4.6	25
106	Î±-1-C-Butyl-1,4-dideoxy-1,4-imino-<scp>l</scp>-arabinitol as a Second-Generation Iminosugar-Based Oral Î±-Glucosidase Inhibitor for Improving Postprandial Hyperglycemia. Journal of Medicinal Chemistry, 2012, 55, 10347-10362.	6.4	72
107	ASYMMETRIC SYNTHESIS OF 1-ALKYL-2-DEOXYIMINOFURANOSES VIA THE IRIDIUM-CATALYZED INTRAMOLECULAR CYCLIZATION OF AN ALLYLIC CARBONATE. Heterocycles, 2012, 86, 1401.	0.7	9
108	Asymmetric Synthesis of 2-Propylisofagomine Using Allylic Hydroxy Group Accelerated Ring-Closing Enyne Metathesis. Heterocycles, 2012, 84, 929.	0.7	9

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109	Eight Stereoisomers of Homonojirimycin from <scp>d</scp>-Mannose. Organic Letters, 2012, 14, 2050-2053.	4.6	15
110	Glycosidase Inhibition by All 10 Stereoisomeric 2,5-Dideoxy-2,5-iminohexitols Prepared from the Enantiomers of Glucuronolactone. Journal of Organic Chemistry, 2012, 77, 7777-7792.	3.2	37
111	Synthesis from <scp>d</scp>-Altrose of (5R,6R,7R,8S)-5,7-Dihydroxy-8-hydroxymethylconidine and 2,4-Dideoxy-2,4-imino-<scp>d</scp>-glucitol, Azetidine Analogues of Swainsonine and 1,4-Dideoxy-1,4-imino-<scp>d</scp>-mannitol. Organic Letters, 2012, 14, 4174-4177.	4.6	21
112	Scalable Syntheses of Both Enantiomers of DNJNAc and DGJNAc from Glucuronolactone: The Effect of Nâ€Alkylation on Hexosaminidase Inhibition. Chemistry - A European Journal, 2012, 18, 9341-9359.	3.3	42
113	Towards a stable noeuromycin analog with a d-manno configuration: Synthesis and glycosidase inhibition of d-manno-like tri- and tetrahydroxylated azepanes. Bioorganic and Medicinal Chemistry, 2012, 20, 641-649.	3.0	19
114	Design, synthesis, and biological evaluation of novel (1-thioxo-1,2,3,4-tetrahydro-Î²-carbolin-9-yl)acetic acids as selective inhibitors for AKR1B1. Bioorganic and Medicinal Chemistry, 2012, 20, 356-367.	3.0	11
115	Synthesis of Fully Substituted Polyhydroxylated Pyrrolizidines via Copeâ€“House Cyclization. Organic Letters, 2011, 13, 4414-4417.	4.6	43
116	Looking-Glass Synergistic Pharmacological Chaperones: DGJ and L-DGJ from the Enantiomers of Tagatose. Organic Letters, 2011, 13, 4064-4067.	4.6	51
117	Iminosugars as therapeutic agents: recent advances and promising trends. Future Medicinal Chemistry, 2011, 3, 1513-1521.	2.3	264
118	Inhibition of Nonmammalian Glycosidases by Azetidine Iminosugars Derived from Stable 3,5-Di-O-triflates of Pentoses. Organic Letters, 2011, 13, 5834-5837.	4.6	34
119	A concise stereoselective synthesis of (â^')-erycibelline. Organic and Biomolecular Chemistry, 2011, 9, 7713.	2.8	15
120	Synthesis of uronic-Noeurostegine â€“ a potent bacterial Î²-glucuronidase inhibitor. Organic and Biomolecular Chemistry, 2011, 9, 7807.	2.8	27
121	Selection of the biological activity of DNJ neoglycoconjugates through click length variation of the side chain. Organic and Biomolecular Chemistry, 2011, 9, 5373.	2.8	42
122	l-DMDP, l-homoDMDP and their C-3 fluorinated derivatives: synthesis and glycosidase-inhibition. Organic and Biomolecular Chemistry, 2011, 9, 3405.	2.8	47
123	An expeditious synthesis of an analogue of (â^')-steviamine by way of the 1,3-dipolar cycloaddition of a nitrile oxide with a 1-C-allyl iminosugar. Tetrahedron Letters, 2011, 52, 6399-6402.	1.4	18
124	Docking and SAR studies of d- and l-isofagomine isomers as human Î²-glucocerebrosidase inhibitors. Bioorganic and Medicinal Chemistry, 2011, 19, 3558-3568.	3.0	24
125	The synthesis and biological evaluation of 1-C-alkyl-l-arabinoiminofuranoses, a novel class of Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 738-741.	2.2	39
126	4-C-Me-DAB and 4-C-Me-LABâ€”enantiomeric alkyl-branched pyrrolidine iminosugarsâ€”are specific and potent Î±-glucosidase inhibitors; acetone as the sole protecting group. Tetrahedron Letters, 2011, 52, 219-223.	1.4	35

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127	Calystegine B3 as a specific inhibitor for cytoplasmic Â-mannosidase, Man2C1. Journal of Biochemistry, 2011, 149, 415-422.	1.7	13
128	Synthesis, Conformational Analysis, and Evaluation as Glycosidase Inhibitors of Two Ether-Bridged Iminosugars. Journal of Carbohydrate Chemistry, 2011, 30, 641-654.	1.1	14
129	Isolation of the pyrrolizidine alkaloid 1-epialexine from Castanospermum australe. Phytochemistry Letters, 2010, 3, 133-135.	1.2	13
130	Steviamine, a new indolizidine alkaloid from Stevia rebaudiana. Phytochemistry Letters, 2010, 3, 136-138.	1.2	42
131	An Î±-glucoside of 1,4-dideoxy-1,4-imino-d-lyxitol with an eleven carbon side chain. Phytochemistry Letters, 2010, 3, 230-233.	1.2	12
132	In vitro inhibition of Î±-glucosidases and glycogen phosphorylase by catechin gallates in green tea. Food Chemistry, 2010, 122, 1061-1066.	8.2	96
133	Looking glass inhibitors: scalable syntheses of DNJ, DMDP, and (3R)-3-hydroxy-l-bulgecinine from d-glucuronolactone and of l-DNJ, l-DMDP, and (3S)-3-hydroxy-d-bulgecinine from l-glucuronolactone. DMDP inhibits Î²-glucosidases and Î²-galactosidases whereas l-DMDP is a potent and specific inhibitor of Î±-glucosidases. Tetrahedron: Asymmetry, 2010, 21, 311-319.	1.8	53
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