Jose Manuel Garcia FernÃ¡ndez

List of Publications by Year
in descending order

262 papers	8,999 citations	38660 50 h-index	76769 74 g-index
294 all docs	294 docs citations	294 times ranked	6645 citing authors

#	Article	IF	Citations
1	Bicyclic Picomolar OGA Inhibitors Enable Chemoproteomic Mapping of Its Endogenous Post-translational Modifications. Journal of the American Chemical Society, 2022, 144, 832-844.	6.6	15
2	Tethered Blatter Radical for Molecular Grafting: Synthesis of 6-Hydroxyhexyloxy, Hydroxymethyl, and Bis(hydroxymethyl) Derivatives and Their Functionalization. Molecules, 2022, 27, 1176.	1.7	3
3	Enhanced Gene Delivery Triggered by Dual pH/Redox Responsive Hostâ€Guest Dimerization of Cyclooligosaccharide Star Polycations. Macromolecular Rapid Communications, 2022, 43, e2200145.	2.0	4
4	sp²-Iminosugars targeting human lysosomal Î²-hexosaminidase as pharmacological chaperone candidates for late-onset Tay-Sachs disease. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1364-1374.	2.5	5
5	Synthesis, self-assembly and anticancer drug encapsulation and delivery properties of cyclodextrin-based giant amphiphiles. Carbohydrate Polymers, 2021, 252, 117135.	5.1	23
6	Anti-Inflammatory (M2) Response Is Induced by a sp2-Iminosugar Glycolipid Sulfoxide in Diabetic Retinopathy. Frontiers in Immunology, 2021, 12, 632132.	2.2	13
7	Trifaceted Mickey Mouse Amphiphiles for Programmable Selfâ€Assembly, DNA Complexation and Organâ€Selective Gene Delivery. Chemistry - A European Journal, 2021, 27, 9429-9438.	1.7	4
8	Functional Glyconanomaterials. Nanomaterials, 2021, 11, 2482.	1.9	0
9	Rational design of cell active C2-modified DGJ analogues for the inhibition of human Î±-galactosidase A (GALA). Organic and Biomolecular Chemistry, 2021, 19, 8057-8062.	1.5	1
10	Synthesis of sp2-Iminosugar Selenoglycolipids as Multitarget Drug Candidates with Antiproliferative, Leishmanicidal and Anti-Inflammatory Properties. Molecules, 2021, 26, 7501.	1.7	4
11	Improved Magneto-Microfluidic Separation of Nanoparticles through Formation of the Î²-Cyclodextrinâ€“Curcumin Inclusion Complex. Langmuir, 2021, 37, 14345-14359.	1.6	3
12	Adsorption of difructose dianhydrides on hydrophobic Y-zeolites. Microporous and Mesoporous Materials, 2020, 292, 109673.	2.2	5
13	Click Synthesis of Size- and Shape-Tunable Star Polymers with Functional Macrocyclic Cores for Synergistic DNA Complexation and Delivery. Biomacromolecules, 2020, 21, 5173-5188.	2.6	9
14	Nanoparticle-Delivered HIV Peptides to Dendritic Cells a Promising Approach to Generate a Therapeutic Vaccine. Pharmaceutics, 2020, 12, 656.	2.0	12
15	Amplified Detection of Breast Cancer Autoantibodies Using MUC1-Based Tn Antigen Mimics. Journal of Medicinal Chemistry, 2020, 63, 8524-8533.	2.9	14
16	Tuning the Topological Landscape of DNAâ€“Cyclodextrin Nanocomplexes by Molecular Design. Chemistry - A European Journal, 2020, 26, 15259-15269.	1.7	16
17	Cyclodextrin-Based Functional Glyconanomaterials. Nanomaterials, 2020, 10, 2517.	1.9	19
18	Cyclodextrin-Based Nanostructure Efficiently Delivers siRNA to Glioblastoma Cells Preferentially via Macropinocytosis. International Journal of Molecular Sciences, 2020, 21, 9306.	1.8	9

#	Article	IF	Citations
19	sp2-Iminosugars as chemical mimics for glycodrug design. , 2020, , 197-224.		1
20	Stereoselective Synthesis of Iminosugar 2-Deoxy(thio)glycosides from Bicyclic Iminoglycal Carbamates Promoted by Cerium(IV) Ammonium Nitrate and Cooperative BrÃ¸nsted Acid-Type Organocatalysis. Journal of Organic Chemistry, 2020, 85, 5038-5047.	1.7	9
21	Synthesis, conformational analysis and in vivo assays of an anti-cancer vaccine that features an unnatural antigen based on an sp²-iminosugar fragment. Chemical Science, 2020, 11, 3996-4006.	3.7	24
22	Selective radical depolymerization of cellulose to glucose induced by high frequency ultrasound. Chemical Science, 2020, 11, 2664-2669.	3.7	16
23	Carbohydrate supramolecular chemistry: beyond the multivalent effect. Chemical Communications, 2020, 56, 5207-5222.	2.2	70
24	Thiol-ene "Click" Synthesis and Pharmacological Evaluation of C-Glycoside sp2-Iminosugar Glycolipids. Molecules, 2019, 24, 2882.	1.7	9
25	Synthesis of polyfluoroalkyl sp2-iminosugar glycolipids and evaluation of their immunomodulatory properties towards anti-tumor, anti-leishmanial and anti-inflammatory therapies. European Journal of Medicinal Chemistry, 2019, 182, 111604.	2.6	18
26	Mannose-coated polydiacetylene (PDA)-based nanomicelles: synthesis, interaction with concanavalin A and application in the water solubilization and delivery of hydrophobic molecules. Journal of Materials Chemistry B, 2019, 7, 5930-5946.	2.9	14
27	Novel Therapies for Orphan Diseases. ACS Medicinal Chemistry Letters, 2019, 10, 1020-1023.	1.3	9
28	Trehalose-based Siamese twin amphiphiles with tunable self-assembling, DNA nanocomplexing and gene delivery properties. Chemical Communications, 2019, 55, 8227-8230.	2.2	10
29	Multiplyâ€“linked cyclodextrinâ€“aromatic hybrids: Caps, hinges and clips. Journal of Carbohydrate Chemistry, 2019, 38, 470-493.	0.4	12
30	Pharmacological Chaperones for the Treatment of Î±-Mannosidosis. Journal of Medicinal Chemistry, 2019, 62, 5832-5843.	2.9	25
31	Screening sp-iminosugarâ€¯N-glycosides as pharmacological chaperone candidates forâ€Î±â€¯mannosidosis: The effect of aglycone nature and valency. Molecular Genetics and Metabolism, 2019, 126, S58.	0.5	0
32	sp2-Iminosugar glycolipids as inhibitors of lipopolysaccharide-mediated human dendritic cell activation inÂvitro and of acute inflammation in mice inÂvivo. European Journal of Medicinal Chemistry, 2019, 169, 111-120.	2.6	15
33	Dynamic Control of the Self-Assembling Properties of Cyclodextrins by the Interplay of Aromatic and Host-Guest Interactions. Frontiers in Chemistry, 2019, 7, 72.	1.8	12
34	Tailoring the inhibitory versus chaperoning behavior of amphiphilic sp-iminosugar glycomimetics targetingâ€Î²-glucocerebrosidase: From micromolar to picomolar chaperones for Gaucher disease. Molecular Genetics and Metabolism, 2019, 126, S58.	0.5	0
35	Multivalent glycoligands with lectin/enzyme dual specificity: self-deliverable glycosidase regulators. Chemical Communications, 2019, 55, 12845-12848.	2.2	9
36	Xylylene Clips for the Topology-Guided Control of the Inclusion and Self-Assembling Properties of Cyclodextrins. Journal of Organic Chemistry, 2018, 83, 5588-5597.	1.7	9

#	Article	IF	Citations
37	Plasmidâ€templated Control of DNAâ€“Cyclodextrin Nanoparticle Morphology through Molecular Vector Design for Effective Gene Delivery. Chemistry - A European Journal, 2018, 24, 3825-3835.	1.7	22
38	Synthesis of Prebiotic Caramels Catalyzed by Ion-Exchange Resin Particles: Kinetic Model for the Formation of Di-<scp>d</scp>-fructose Dianhydrides. Journal of Agricultural and Food Chemistry, 2018, 66, 1693-1700.	2.4	7
39	Revealing cooperative binding of polycationic cyclodextrins with DNA oligomers by capillary electrophoresis coupled to mass spectrometry. Analytica Chimica Acta, 2018, 1002, 70-81.	2.6	18
40	The sp 2 -iminosugar glycolipid 1-dodecylsulfonyl-5 N ,6 O -oxomethylidenenojirimycin (DSO 2 -ONJ) as selective anti-inflammatory agent by modulation of hemeoxygenase-1 in Bv.2 microglial cells and retinal explants. Food and Chemical Toxicology, 2018, 111, 454-466.	1.8	19
41	The Two Main Olfactory Receptor Families in Drosophila, ORs and IRs: A Comparative Approach. Frontiers in Cellular Neuroscience, 2018, 12, 253.	1.8	58
42	Catalystâ€Free Synthesis of Alkylpolyglycosides Induced by Highâ€Frequency Ultrasound. ChemSusChem, 2018, 11, 2673-2676.	3.6	12
43	Probing the Inhibitor versus Chaperone Properties of sp2-Iminosugars towards Human Î²-Glucocerebrosidase: A Picomolar Chaperone for Gaucher Disease. Molecules, 2018, 23, 927.	1.7	30
44	Mechanocatalytic Depolymerization of Cellulose With Perfluorinated Sulfonic Acid Ionomers. Frontiers in Chemistry, 2018, 6, 74.	1.8	19
45	sp²â€iminosugar Î±â€glucosidase inhibitor 1â€Câ€octylâ€2â€oxaâ€3â€oxocastanospermine specifically affected breast cancer cell migration through Stim1, Î²1â€integrin, and FAK signaling pathways. Journal of Cellular Physiology, 2017, 232, 3631-3640.	2.0	38
46	The Impact of Heteromultivalency in Lectin Recognition and Glycosidase Inhibition: An Integrated Mechanistic Study. Chemistry - A European Journal, 2017, 23, 6295-6304.	1.7	46
47	Fluorinated Chaperoneâ^Î²-Cyclodextrin Formulations for Î²-Glucocerebrosidase Activity Enhancement in Neuronopathic Gaucher Disease. Journal of Medicinal Chemistry, 2017, 60, 1829-1842.	2.9	34
48	Construction of giant glycosidase inhibitors from iminosugar-substituted fullerene macromonomers. Journal of Materials Chemistry B, 2017, 5, 6546-6556.	2.9	26
49	Highâ€Pressure Nebulization as Application Route for the Peritoneal Administration of siRNA Complexes. Macromolecular Bioscience, 2017, 17, 1700024.	2.1	26
50	Multivalency as an action principle in multimodal lectin recognition and glycosidase inhibition: a paradigm shift driven by carbon-based glyconanomaterials. Journal of Materials Chemistry B, 2017, 5, 6428-6436.	2.9	53
51	Carbon Dioxide as a Traceless Caramelization Promotor: Preparation of Prebiotic Difructose Dianhydrides (DFAs)-Enriched Caramels from <scp>d</scp>-Fructose. Journal of Agricultural and Food Chemistry, 2017, 65, 6093-6099.	2.4	12
52	A novel potential nanophototherapeutic based on the assembly of an amphiphilic cationic Î²-cyclodextrin and an anionic porphyrin. Journal of Porphyrins and Phthalocyanines, 2017, 21, 398-405.	0.4	11
53	Differential Effects of Carbohydrates on Arabidopsis Pollen Germination. Plant and Cell Physiology, 2017, 58, 691-701.	1.5	43
54	Biophysics and protein corona analysis of Janus cyclodextrin-DNA nanocomplexes. Efficient cellular transfection on cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1737-1749.	1.1	16

#	Article	IF	Citations
55	Synthesis of Î²-galactosylamides as ligands of the peanut lectin. Insights into the recognition process. Carbohydrate Research, 2017, 443-444, 58-67.	1.1	10
56	Molecular nanoparticle-based gene delivery systems. Journal of Drug Delivery Science and Technology, 2017, 42, 18-37.	1.4	47
57	Frontispiece: The Impact of Heteromultivalency in Lectin Recognition and Glycosidase Inhibition: An Integrated Mechanistic Study. Chemistry - A European Journal, 2017, 23, .	1.7	0
58	Molecular determinants for cyclo-oligosaccharide-based nanoparticle-mediated effective siRNA transfection. Nanomedicine, 2017, 12, 1607-1621.	1.7	13
59	Docetaxel-Loaded Nanoparticles Assembled from Î²-Cyclodextrin/Calixarene Giant Surfactants: Physicochemical Properties and Cytotoxic Effect in Prostate Cancer and Glioblastoma Cells. Frontiers in Pharmacology, 2017, 8, 249.	1.6	37
60	Trehalose-based Janus cyclooligosaccharides: the â€œClickâ€•synthesis and DNA-directed assembly into pH-sensitive transfectious nanoparticles. Chemical Communications, 2016, 52, 10117-10120.	2.2	20
61	Deciphering of polycationic carbohydrate based non-viral gene delivery agents by ESI-LTQ-Orbitrap using CID/HCD pairwise tandem mass spectrometry. RSC Advances, 2016, 6, 78803-78817.	1.7	6
62	Impact of Nonthermal Atmospheric Plasma on the Structure of Cellulose: Access to Soluble Branched Glucans. Chemistry - A European Journal, 2016, 22, 16522-16530.	1.7	15
63	Cyclodextrin-based facial amphiphiles: assessing the impact of the hydrophilicâ€“lipophilic balance in the self-assembly, DNA complexation and gene delivery capabilities. Organic and Biomolecular Chemistry, 2016, 14, 10037-10049.	1.5	19
64	Tn Antigen Mimics Based on sp²-Iminosugars with Affinity for an anti-MUC1 Antibody. Organic Letters, 2016, 18, 3890-3893.	2.4	32
65	Potent Glycosidase Inhibition with Heterovalent Fullerenes: Unveiling the Binding Modes Triggering Multivalent Inhibition. Chemistry - A European Journal, 2016, 22, 11450-11460.	1.7	65
66	Toward a suitable structural analysis of gene delivery carrier based on polycationic carbohydrates by electron transfer dissociation tandem mass spectrometry. Analytica Chimica Acta, 2016, 948, 62-72.	2.6	6
67	Modulation of microglia polarization dynamics during diabetic retinopathy in db / db mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1663-1674.	1.8	80
68	Influence of the configurational pattern of sp2-iminosugar pseudo N-, S-, O- and C-glycosides on their glycoside inhibitory and antitumor properties. Carbohydrate Research, 2016, 429, 113-122.	1.1	38
69	Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, G_{M1}-gangliosidosis and Fabry diseases. Chemical Communications, 2016, 52, 5497-5515.	2.2	122
70	Tuning of glyconanomaterial shape and size for selective bacterial cell agglutination. Journal of Materials Chemistry B, 2016, 4, 2028-2037.	2.9	31
71	Aerosolized Non-viral Nucleic Acid Delivery in the Vaginal Tract of Pigs. Pharmaceutical Research, 2016, 33, 384-394.	1.7	20
72	Conformationally-locked C-glycosides: tuning aglycone interactions for optimal chaperone behaviour in Gaucher fibroblasts. Organic and Biomolecular Chemistry, 2016, 14, 1473-1484.	1.5	13

#	Article	IF	Citations
73	Fast and solvent free polymerization of carbohydrates induced by non-thermal atmospheric plasma. Green Chemistry, 2016, 18, 3013-3019.	4.6	16
74	Inhibitor versus chaperone behaviour of d-fagomine, DAB and LAB sp2-iminosugar conjugates against glycosidases: A structureâ€“activity relationship study in Gaucher fibroblasts. European Journal of Medicinal Chemistry, 2016, 121, 880-891.	2.6	33
75	Efficient stereoselective synthesis of 2-acetamido-1,2-dideoxyallonojirimycin (DAJNAc) and sp2-iminosugar conjugates: Novel hexosaminidase inhibitors with discrimination capabilities between the mature and precursor forms of the enzyme. European Journal of Medicinal Chemistry, 2016, 121, 926-938.	2.6	23
76	Pharmacological Chaperones and Coenzyme Q10 Treatment Improves Mutant Î²-Glucocerebrosidase Activity and Mitochondrial Function in Neuronopathic Forms of Gaucher Disease. Scientific Reports, 2015, 5, 10903.	1.6	107
77	Hostâ€“Guestâ€Mediated DNA Templation of Polycationic Supramolecules for Hierarchical Nanocondensation and the Delivery of Gene Material. Chemistry - A European Journal, 2015, 21, 12093-12104.	1.7	39
78	pHâ€Responsive Pharmacological Chaperones for Rescuing Mutant Glycosidases. Angewandte Chemie - International Edition, 2015, 54, 11696-11700.	7.2	62
79	Selective Antimicrobial and Antibiofilm Disrupting Properties of Functionalized Diamond Nanoparticles Against Escherichia coli and Staphylococcus aureus. Particle and Particle Systems Characterization, 2015, 32, 822-830.	1.2	33
80	Effects of feed additives on ileal mucosaâ€“associated microbiota composition of broiler chickens1. Journal of Animal Science, 2015, 93, 3410-3420.	0.2	21
81	Antileishmanial activity of sp²-iminosugar derivatives. RSC Advances, 2015, 5, 21812-21822.	1.7	27
82	Cell uptake mechanisms of glycosylated cationic pDNAâ€“cyclodextrin nanoparticles. RSC Advances, 2015, 5, 29135-29144.	1.7	12
83	Unprecedented inhibition of glycosidase-catalyzed substrate hydrolysis by nanodiamond-grafted O-glycosides. RSC Advances, 2015, 5, 100568-100578.	1.7	27
84	Stereoselective synthesis of 2-acetamido-1,2-dideoxynojirimycin (DNJNAc) and ureido-DNJNAc derivatives as new hexosaminidase inhibitors. Organic and Biomolecular Chemistry, 2015, 13, 6500-6510.	1.5	19
85	Harmonized tuning of nucleic acid and lectin binding properties with multivalent cyclodextrins for macrophage-selective gene delivery. RSC Advances, 2015, 5, 76464-76471.	1.7	6
86	Inhibition of type 1 fimbriae-mediated Escherichia coli adhesion and biofilm formation by trimeric cluster thiomannosides conjugated to diamond nanoparticles. Nanoscale, 2015, 7, 2325-2335.	2.8	52
87	Cyclodextrin- and calixarene-based polycationic amphiphiles as gene delivery systems: a structureâ€“activity relationship study. Organic and Biomolecular Chemistry, 2015, 13, 1708-1723.	1.5	49
88	Synthesis of Highâ€Mannose Oligosaccharide Analogues through Click Chemistry: True Functional Mimics of Their Natural Counterparts Against Lectins?. Chemistry - A European Journal, 2015, 21, 1978-1991.	1.7	37
89	Conformationally-locked N-glycosides: Exploiting long-range non-glycone interactions in the design of pharmacological chaperones for Gaucher disease. European Journal of Medicinal Chemistry, 2015, 90, 258-266.	2.6	15
90	Correlations between changes in intestinal microbiota composition and performance parameters in broiler chickens. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 418-423.	1.0	47

#	Article	IF	Citations
91	Neuronopathic Gaucher's disease: induced pluripotent stem cells for disease modelling and testing chaperone activity of small compounds. Human Molecular Genetics, 2014, 23, 281-281.	1.4	0
92	Structural Basis of Pharmacological Chaperoning for Human Î²-Galactosidase. Journal of Biological Chemistry, 2014, 289, 14560-14568.	1.6	56
93	Targeted delivery of pharmacological chaperones for Gaucher disease to macrophages by a mannosylated cyclodextrin carrier. Organic and Biomolecular Chemistry, 2014, 12, 2289-2301.	1.5	44
94	Synthesis of Multibranched Australine Derivatives from Reducing Castanospermine Analogues through the Amadori Rearrangement of gem-Diamine Intermediates: Selective Inhibitors of Î²-Glucosidase. Journal of Organic Chemistry, 2014, 79, 11722-11728.	1.7	20
95	Cyclodextrin-scaffolded amphiphilic aminoglucoside clusters: self-assembling and gene delivery capabilities. New Journal of Chemistry, 2014, 38, 5215-5225.	1.4	12
96	Glycoligand-targeted coreâ€“shell nanospheres with tunable drug release profiles from calixareneâ€“cyclodextrin heterodimers. Chemical Communications, 2014, 50, 7440-7443.	2.2	47
97	Trehalose- and Glucose-Derived Glycoamphiphiles: Small-Molecule and Nanoparticle Toll-Like Receptor 4 (TLR4) Modulators. Journal of Medicinal Chemistry, 2014, 57, 9105-9123.	2.9	23
98	Dynamic Selfâ€Assembly of Polycationic Clusters Based on Cyclodextrins for pHâ€Sensitive DNA Nanocondensation and Delivery by Component Design. Chemistry - A European Journal, 2014, 20, 6622-6627.	1.7	35
99	Molecular Basis of 1-Deoxygalactonojirimycin Arylthiourea Binding to Human Î±-Galactosidase A: Pharmacological Chaperoning Efficacy on Fabry Disease Mutants. ACS Chemical Biology, 2014, 9, 1460-1469.	1.6	50
100	A Di-D-Fructose Dianhydride-Enriched Caramel Modulates Pig Fecal Microbiota Composition. Advances in Microbiology, 2014, 04, 242-251.	0.3	5
101	PREBIOTIC Diâ€Dâ€FRUCTOSE DIANHYDRIDEâ€ENRICHED CARAMELS: DEVELOPMENT OF BATCH PROCESS (1â€fL) AND OPTIMIZATION OF OPERATING CONDITIONS. Journal of Food Process Engineering, 2013, 36, 95-102.	1.5	3
102	Comparative study of CAD-CAE programs taking account of the opinions of students and teachers. Computer Applications in Engineering Education, 2013, 21, 641-656.	2.2	7
103	Stereoselective Synthesis of 2-Acetamido-1,2-dideoxyallonojirimycin (DAJNAc), a New Potent Hexosaminidase Inhibitor. Organic Letters, 2013, 15, 3638-3641.	2.4	16
104	Targeted gene delivery by new folateâ€“polycationic amphiphilic cyclodextrinâ€“DNA nanocomplexes in vitro and in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 390-397.	2.0	62
105	Amphiphilic Oligoethyleneiminea^"Î²-Cyclodextrin â€œClickâ€•Clusters for Enhanced DNA Delivery. Journal of Organic Chemistry, 2013, 78, 8143-8148.	1.7	32
106	Sugarâ€Modified Foldamers as Conformationally Defined and Biologically Distinct Glycopeptide Mimics. Angewandte Chemie - International Edition, 2013, 52, 10221-10226.	7.2	28
107	Probing the Nature of the Cluster Effect Observed with Synthetic Multivalent Galactosides and Peanut Agglutinin Lectin. Chemistry - A European Journal, 2013, 19, 729-738.	1.7	22
108	o-Xylylene Protecting Group in Carbohydrate Chemistry: Application to the Regioselective Protection of a Single vic-Diol Segment in Cyclodextrins. Journal of Organic Chemistry, 2013, 78, 1390-1403.	1.7	31

#	Article	IF	Citations
109	Cyclodextrin-based multivalent glycodisplays: covalent and supramolecular conjugates to assess carbohydrateâ€“protein interactions. Chemical Society Reviews, 2013, 42, 4746.	18.7	227
110	Competitive processes of a chromophore modified Î±-cyclodextrin in the presence of a fluorescence polarity sensitive probe. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 256, 42-51.	2.0	6
111	Influence of the Macroring Size on the Self-Association Thermodynamics of Cyclodextrins with a Double-Linked Naphthalene at the Secondary Face. Journal of Physical Chemistry B, 2013, 117, 5472-5485.	1.2	9
112	Multivalency in heterogeneous glycoenvironments: hetero-glycoclusters, -glycopolymers and -glycoassemblies. Chemical Society Reviews, 2013, 42, 4518-4531.	18.7	143
113	A Bicyclic 1-Deoxygalactonojirimycin Derivative as a Novel Pharmacological Chaperone for GM1 Gangliosidosis. Molecular Therapy, 2013, 21, 526-532.	3.7	70
114	Cyclodextrin-scaffolded glycotransporters for gene delivery. Pure and Applied Chemistry, 2013, 85, 1825-1845.	0.9	16
115	Neuronopathic Gaucher's disease: induced pluripotent stem cells for disease modelling and testing chaperone activity of small compounds. Human Molecular Genetics, 2013, 22, 633-645.	1.4	75
116	Fullereneâ€sp²â€Iminosugar Balls as Multimodal Ligands for Lectins and Glycosidases: A Mechanistic Hypothesis for the Inhibitory Multivalent Effect. Chemistry - A European Journal, 2013, 19, 16791-16803.	1.7	90
117	Effects of inulin and di-d-fructose dianhydride-enriched caramels on intestinal microbiota composition and performance of broiler chickens. Animal, 2013, 7, 1779-1788.	1.3	22
118	Bicyclic Derivatives of <scp>L</scp>â€Idonojirimycin as Pharmacological Chaperones for Neuronopathic Forms of Gaucher Disease. ChemBioChem, 2013, 14, 943-949.	1.3	30
119	Sugarâ€Modified Foldamers as Conformationally Defined and Biologically Distinct Glycopeptide Mimics. Angewandte Chemie, 2013, 125, 10411-10416.	1.6	9
120	New Castanospermine Glycoside Analogues Inhibit Breast Cancer Cell Proliferation and Induce Apoptosis without Affecting Normal Cells. PLoS ONE, 2013, 8, e76411.	1.1	39
121	Cyclodextrins for Pharmaceutical and Biomedical Applications. Monographs in Supramolecular Chemistry, 2013, , 94-139.	0.2	6
122	Glycotransporters for gene delivery. Carbohydrate Chemistry, 2012, , 338-375.	0.3	8
123	Monodisperse Nanoparticles from Self-Assembling Amphiphilic Cyclodextrins: Modulable Tools for the Encapsulation and Controlled Release of Pharmaceuticals. Medicinal Chemistry, 2012, 8, 524-532.	0.7	17
124	Polycationic amphiphilic cyclodextrins as gene vectors: effect of the macrocyclic ring size on the DNA complexing and delivery properties. Organic and Biomolecular Chemistry, 2012, 10, 5570.	1.5	33
125	Tuning glycosidase inhibition through aglycone interactions: pharmacological chaperones for Fabry disease and GM1 gangliosidosis. Chemical Communications, 2012, 48, 6514.	2.2	54
126	Efficient Transfection of Hepatocytes Mediated by mRNA Complexed to Galactosylated Cyclodextrins. Bioconjugate Chemistry, 2012, 23, 1276-1289.	1.8	39

#	Article	IF	Citations
127	Conformationally-Locked N-Glycosides with Selective Î²-Glucosidase Inhibitory Activity: Identification of a New Non-Iminosugar-Type Pharmacological Chaperone for Gaucher Disease. Journal of Medicinal Chemistry, 2012, 55, 6857-6865.	2.9	36
128	Probing Carbohydrate-Lectin Recognition in Heterogeneous Environments with Monodisperse Cyclodextrin-Based Glycoclusters. Journal of Organic Chemistry, 2012, 77, 1273-1288.	1.7	72
129	Design and synthesis of a â€œclickâ€•high-mannose oligosaccharide mimic emulating Man8 binding affinity towards Con A. Chemical Communications, 2012, 48, 3733.	2.2	20
130	Synthesis and Biophysical Study of Disassembling Nanohybrid Bioconjugates with a Cubic Octasilsesquioxane Core. Advanced Functional Materials, 2012, 22, 3191-3201.	7.8	36
131	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.	1.7	42
132	sp²â€Iminosugar Oâ€, Sâ€, and Nâ€Glycosides as Conformational Mimics of Î±â€Linked Disaccharides; Implications for Glycosidase Inhibition. Chemistry - A European Journal, 2012, 18, 8527-8539.	1.7	51
133	Microwave-assisted synthesis of prebiotic di-D-fructose dianhydride-enriched caramels. Food Chemistry, 2012, 134, 1527-1532.	4.2	8
134	Synthesis and glycosidase inhibitory activity of isourea-type bicyclic sp2-iminosugars related to galactonojirimycin and allonojirimycin. Tetrahedron, 2012, 68, 681-689.	1.0	11
135	Copper(II)-Complex Directed Regioselective Mono-p-Toluenesulfonylation of Cyclomaltoheptaose at a Primary Hydroxyl Group Position: An NMR and Molecular Dynamics-Aided Design. Journal of Physical Chemistry B, 2011, 115, 7524-7532.	1.2	34
136	Î²-Cyclodextrin-Based Polycationic Amphiphilic â€œClickâ€•Clusters: Effect of Structural Modifications in Their DNA Complexing and Delivery Properties. Journal of Organic Chemistry, 2011, 76, 5882-5894.	1.7	78
137	Cyclodextrin-based gene delivery systems. Chemical Society Reviews, 2011, 40, 1586-1608.	18.7	371
138	Cyclodextrin-mediated crystallization of acid Î²-glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. Organic and Biomolecular Chemistry, 2011, 9, 4160.	1.5	31
139	Bicyclic (galacto)nojirimycin analogues as glycosidase inhibitors: Effect of structural modifications in their pharmacological chaperone potential towards Î²-glucocerebrosidase. Organic and Biomolecular Chemistry, 2011, 9, 3698.	1.5	53
140	Self-association of a naphthalene-capped-Î²-cyclodextrin through cooperative strong hydrophobic interactions. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 223, 25-36.	2.0	16
141	Mannosyl-coated nanocomplexes from amphiphilic cyclodextrins and pDNA for site-specific gene delivery. Biomaterials, 2011, 32, 7263-7273.	5.7	96
142	Pharmacological chaperone therapy for Gaucher disease: a patent review. Expert Opinion on Therapeutic Patents, 2011, 21, 885-903.	2.4	106
143	Stereoselective Synthesis of Difructose Dianhydrides by Use of the Xylylene Group as Stereodirecting Element in Spiroketalisation Reactions. European Journal of Organic Chemistry, 2011, 2011, 517-528.	1.2	4
144	Symmetry Complementarityâ€Guided Design of Anthrax Toxin Inhibitors Based on Î²â€Cyclodextrin: Synthesis and Relative Activities of Faceâ€Selective Functionalized Polycationic Clusters. ChemMedChem, 2011, 6, 181-192.	1.6	27

#	Article	IF	Citations
145	Polycationic amphiphilic cyclodextrin-based nanoparticles for therapeutic gene delivery. Nanomedicine, 2011, 6, 1697-1707.	1.7	52
146	Di-<scp>d</scp>-fructose Dianhydride-Enriched Caramels: Effect on Colon Microbiota, Inflammation, and Tissue Damage in Trinitrobenzenesulfonic Acid-Induced Colitic Rats. Journal of Agricultural and Food Chemistry, 2010, 58, 6476-6484.	2.4	46
147	Fluorescent-tagged sp2-iminosugars with potent Î²-glucosidase inhibitory activity. Bioorganic and Medicinal Chemistry, 2010, 18, 7439-7445.	1.4	22
148	Insights in cellular uptake mechanisms of pDNAâ€“polycationic amphiphilic cyclodextrin nanoparticles (CDplexes). Journal of Controlled Release, 2010, 143, 318-325.	4.8	85
149	Multimeric Lactoside â€œClick Clustersâ€• as Tools to Investigate the Effect of Linker Length in Specific Interactions with Peanut Lectin, Galectinâ€•1, and â€•3. ChemBioChem, 2010, 11, 1430-1442.	1.3	44
150	A Fluorescent sp²â€•Iminosugar With Pharmacological Chaperone Activity for Gaucher Disease: Synthesis and Intracellular Distribution Studies. ChemBioChem, 2010, 11, 2453-2464.	1.3	47
151	Preorganized, Macromolecular, Geneâ€Delivery Systems. Chemistry - A European Journal, 2010, 16, 6728-6742.	1.7	108
152	(Pseudo)amide-linked oligosaccharide mimetics: molecular recognition and supramolecular properties. Beilstein Journal of Organic Chemistry, 2010, 6, 20.	1.3	35
153	Difructose Dianhydrides (DFAs) and DFA-Enriched Products as Functional Foods. Topics in Current Chemistry, 2010, 294, 49-77.	4.0	36
154	Di-<scp>d</scp>-fructose Dianhydride-Enriched Products by Acid Ion-Exchange Resin-Promoted Caramelization of <scp>d</scp>-Fructose: Chemical Analyses. Journal of Agricultural and Food Chemistry, 2010, 58, 1777-1787.	2.4	38
155	Comparative studies on lectinâ€“carbohydrate interactions in low and high density homo- and heteroglycoclusters. Organic and Biomolecular Chemistry, 2010, 8, 1849.	1.5	62
156	Synthesis of N-, S-, and C-glycoside castanospermine analogues with selective neutral Î±-glucosidase inhibitory activity as antitumour agents. Chemical Communications, 2010, 46, 5328.	2.2	71
157	Polycationic Amphiphilic Cyclodextrins for Gene Delivery: Synthesis and Effect of Structural Modifications on Plasmid DNA Complex Stability, Cytotoxicity, and Gene Expression. Chemistry - A European Journal, 2009, 15, 12871-12888.	1.7	96
158	6â€Aminoâ€6â€deoxyâ€5,6â€diâ€Nâ€(Nâ€²â€octyliminomethylidene)nojirimycin: Synthesis, Biological Evaluation, and Crystal Structure in Complex with Acid Î²â€Glucosidase. ChemBioChem, 2009, 10, 1480-1485.	1.3	44
159	Chaperone Activity of Bicyclic Nojirimycin Analogues for Gaucher Mutations in Comparison with Nâ€(nâ€•nonyl)Deoxynojirimycin. ChemBioChem, 2009, 10, 2780-2792.	1.3	82
160	Thermodynamics of the Dimer Formation of 2I,3I-O-(o-Xylylene)-per-O-Me-Î³-cyclodextrin: Fluorescence, Molecular Mechanics and Molecular Dynamics. Journal of Fluorescence, 2009, 19, 975-988.	1.3	19
161	Generalized Anomeric Effect in gem-Diamines: Stereoselective Synthesis of Î±-N-Linked Disaccharide Mimics. Organic Letters, 2009, 11, 3306-3309.	2.4	34
162	Synthesis of Thiohydantoin-Castanospermine Glycomimetics as Glycosidase Inhibitors. Journal of Organic Chemistry, 2009, 74, 3595-3598.	1.7	28

#	Article	IF	Citations
163	Size-Tunable Trehalose-Based Nanocavities: Synthesis, Structure, and Inclusion Properties of Large-Ring Cyclotrehalans. Journal of Organic Chemistry, 2009, 74, 2997-3008.	1.7	20
164	Preorganized macromolecular gene delivery systems: amphiphilic Î²-cyclodextrin â€œclick clustersâ€• Organic and Biomolecular Chemistry, 2009, 7, 2681.	1.5	77
165	Glycosidase inhibition by ring-modified castanospermine analogues: tackling enzyme selectivity by inhibitor tailoring. Organic and Biomolecular Chemistry, 2009, 7, 2738.	1.5	46
166	Molecular Basis for Î²â€Glucosidase Inhibition by Ringâ€Modified Calystegine Analogues. ChemBioChem, 2008, 9, 2612-2618.	1.3	33
167	Synthesis and evaluation of sulfamide-type indolizidines as glycosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2805-2808.	1.0	39
168	Stereoselective synthesis of nonsymmetrical difructose dianhydrides from xylylene-tethered d-fructose precursors. Tetrahedron, 2008, 64, 2792-2800.	1.0	9
169	Synthesis, Structure, and Inclusion Capabilities of Trehalose-Based Cyclodextrin Analogues (Cyclotrehalans). Journal of Organic Chemistry, 2008, 73, 2967-2979.	1.7	32
170	Study of the Conformational and Self-Aggregation Properties of 2I,3I-O-(o-Xylylene)-per-O-Me-Î±- and -Î²-cyclodextrins by Fluorescence and Molecular Modeling. Journal of Physical Chemistry B, 2008, 112, 13717-13729.	1.2	29
171	Synthesis and Biological Evaluation of Guanidine-Type Iminosugars. Journal of Organic Chemistry, 2008, 73, 1995-1998.	1.7	28
172	Tailoring Î²-Cyclodextrin for DNA Complexation and Delivery by Homogeneous Functionalization at the Secondary Face. Organic Letters, 2008, 10, 5143-5146.	2.4	56
173	Rational design of cationic cyclooligosaccharides as efficient gene delivery systems. Chemical Communications, 2008, , 2001.	2.2	79
174	Chemical and Enzymatic Approaches to Carbohydrate-Derived Spiroketals: Di-D-Fructose Dianhydrides (DFAs). Molecules, 2008, 13, 1640-1670.	1.7	33
175	Spacer-Mediated Synthesis of Bis-spiroketal Disaccharides: Nonsymmetrical Furanose-Pyranose Difructose Dianhydrides. Synlett, 2007, 2007, 2738-2742.	1.0	0
176	Synthesis of Thiourea-Linked Glycooligomers that Mimic the Branching Patterns of Natural Oligosaccharides. Synthesis, 2007, 2007, 2545-2558.	1.2	2
177	Synthesis of Î±- and Î²-Glycosyl Isothiocyanates via Oxazoline Intermediates. Journal of Organic Chemistry, 2007, 72, 4547-4550.	1.7	22
178	Promoting helicity in carbohydrate-containing foldamers through long-range hydrogen bonds. Chemical Communications, 2007, , 831-833.	2.2	13
179	Efficient Use of Ellman Safety-Catch Linker for Solid-Phase Assisted Synthesis of Multivalent Glycoconjugates. ACS Combinatorial Science, 2007, 9, 339-342.	3.3	13
180	Multi-Mannosides Based on a Carbohydrate Scaffold:â€‰ Synthesis, Force Field Development, Molecular Dynamics Studies, and Binding Affinities for Lectin Con A. Journal of Organic Chemistry, 2007, 72, 9032-9045.	1.7	73

#	Article	IF	Citations
181	One-pot regioselective synthesis of 2I,3I-O-(o-xylylene)-capped cyclomaltooligosaccharides: tailoring the topology and supramolecular properties of cyclodextrins. Chemical Communications, 2007, , 3270.	2.2	41
182	Synthesis and biological evaluation of 6-oxa-nor-tropane glycomimetics as glycosidase inhibitors. Tetrahedron, 2007, 63, 7879-7884.	1.0	21
183	Oligosaccharide tagged Î²-cyclodextrins: synthesis and biological affinity towards Concanavalin A. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 9-14.	1.6	8
184	Trehalose-based cyclodextrin analogs: cyclotrehalans (CTs). Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 147-150.	1.6	7
185	Urea-, Thiourea-, and Guanidine-Linked Glycooligomers as Phosphate Binders in Water. Journal of Organic Chemistry, 2006, 71, 5136-5143.	1.7	82
186	The o-xylylene protecting group as an element of conformational control of remote stereochemistry in the synthesis of spiroketals. Chemical Communications, 2006, , 2610-2612.	2.2	23
187	Intramolecular Benzyl Protection Delivery:â€‰ A Practical Synthesis of DMDP and DGDP fromd-Fructose. Organic Letters, 2006, 8, 297-299.	2.4	30
188	Structure and serological analysis of the Hafnia alvei 481-L O-specific polysaccharide containing phosphate in the backbone chain. Carbohydrate Research, 2006, 341, 2980-2985.	1.1	8
189	Glyconanocavities: Cyclodextrins and Beyond. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 56, 149-159.	1.6	39
190	Supramolecular Control of Oligosaccharideâ€“Protein Interactions: Switchable and Tunable Ligands for Concanavalin A Based on Î²-Cyclodextrin. Angewandte Chemie - International Edition, 2006, 45, 5465-5468.	7.2	50
191	The Synthesis and Structure of Linear and Dendritic Thiourea-Linked Glycooligomers. European Journal of Organic Chemistry, 2006, 2006, 183-196.	1.2	9
192	Spacer-Mediated Synthesis of Contra-Thermodynamic Spiroacetals:Â Stereoselective Synthesis ofC2-Symmetric Difructose Dianhydrides. Journal of Organic Chemistry, 2006, 71, 2257-2266.	1.7	16
193	1,2,3-Triazoles and related glycoconjugates as new glycosidase inhibitors. Tetrahedron, 2005, 61, 9118-9128.	1.0	72
194	Synthesis and Comparative Glycosidase Inhibitory Properties of Reducing Castanospermine Analogues. European Journal of Organic Chemistry, 2005, 2005, 2903-2913.	1.2	36
195	Probing Secondary Carbohydrateâ^'Protein Interactions with Highly Dense Cyclodextrin-Centered Heteroglycoclusters:Â The Heterocluster Effect. Journal of the American Chemical Society, 2005, 127, 7970-7971.	6.6	123
196	Rigid Spacer-Mediated Synthesis of Bis-Spiroketal Ring Systems:â€‰ Stereoselective Synthesis of Nonsymmetrical Spiro Disaccharides. Organic Letters, 2005, 7, 729-731.	2.4	15
197	Synthesis of Sugar Oxazolines by Intramolecular Ritter-Like Reaction ofd-Fructose Precursors. Synlett, 2004, 2004, 2230-2232.	1.0	5
198	Synthesis of Calystegine B2, B3, and B4 Analogues: Mapping the Structure-Glycosidase Inhibitory Activity Relationships in the 1-Deoxy-6-oxacalystegine Series. European Journal of Organic Chemistry, 2004, 2004, 1803-1819.	1.2	38

#	Article	IF	Citations
199	Functional Evaluation of Carbohydrate-Centred Glycoclusters by Enzyme-Linked Lectin Assay: Ligands for Concanavalin A. ChemBioChem, 2004, 5, 771-777.	1.3	79
200	A general entry to linear, dendritic and branched thiourea-linked glycooligomers as new motifs for phosphate ester recognition in water. Chemical Communications, 2004, , 92-93.	2.2	11
201	Pseudoamide-Type Pyrrolidine and Pyrrolizidine Glycomimetics and Their Inhibitory Activities against Glycosidases. Journal of Organic Chemistry, 2004, 69, 3578-3581.	1.7	48
202	Optimizing Saccharide-Directed Molecular Delivery to Biological Receptors:Â Design, Synthesis, and Biological Evaluation of Glycodendrimerâ"Cyclodextrin Conjugates. Journal of the American Chemical Society, 2004, 126, 10355-10363.	6.6	216
203	Regioselective sulfonylation at O-2 of cyclomaltoheptaose with 1-(p-tolylsulfonyl)-(1H)-1,2,4-triazole. Carbohydrate Research, 2003, 338, 451-453.	1.1	20
204	Carbohydrate-Derived Spiroketals:â€‰ Stereoselective Synthesis of Di-d-fructose Dianhydrides via Intramolecular Aglycon Delivery. Organic Letters, 2003, 5, 873-876.	2.4	12
205	Synthesis and Evaluation of Isourea-Type Glycomimetics Related to the Indolizidine and Trehazolin Glycosidase Inhibitor Families. Journal of Organic Chemistry, 2003, 68, 8890-8901.	1.7	58
206	Synthesis of (1S,2S,3R,8S,8aR)-1,2,3,8-Tetrahydroxy-6-oxa-5-thioxoindolizidine: A Stable Reducing Swainsonine Analog with Controlled Anomeric Configuration. Synlett, 2003, 2003, 0341-0344.	1.0	1
207	Castanospermineâ€"trehazolin hybrids: a new family of glycomimetics with tuneable glycosidase inhibitory propertiesElectronic supplementary data (ESI) available: full characterization data for the new compounds 7â€"9, 11, 14â€"19. See http://www.rsc.org/suppdata/cc/b2/b200162d/. Chemical Communications, 2002, , 848-849.	2.2	43
208	Cyclotrehalins: Cyclooligosaccharide Receptors Featuring a Hydrophobic Cavity. Angewandte Chemie, 2002, 114, 3826-3828.	1.6	5
209	Multivalent Cyclooligosaccharides: Versatile Carbohydrate Clusters with Dual Role as Molecular Receptors and Lectin Ligands. Chemistry - A European Journal, 2002, 8, 1982.	1.7	102
210	Cyclotrehalins: Cyclooligosaccharide Receptors Featuring a Hydrophobic Cavity. Angewandte Chemie - International Edition, 2002, 41, 3674-3676.	7.2	28
211	Carbohydrate Microarrays. ChemBioChem, 2002, 3, 819-822.	1.3	64
212	One-step synthesis of non-anomeric sugar isothiocyanates from sugar azides. Carbohydrate Research, 2002, 337, 2329-2334.	1.1	30
213	Carbohydrate-Based Receptors with Multiple Thiourea Binding Sites. Multipoint Hydrogen Bond Recognition of Dicarboxylates and Monosaccharidesâ€. Journal of Organic Chemistry, 2001, 66, 1366-1372.	1.7	81
214	Synthesis and Evaluation of Calystegine B2Analogues as Glycosidase Inhibitors. Journal of Organic Chemistry, 2001, 66, 7604-7614.	1.7	52
215	Carbohydrate-Derived Spiroketals. Stereoselective Synthesis of Di-d-fructose Dianhydrides by Boron Trifluoride Promoted Glycosylationâ"Spiroketalization of Acetal Precursorsâ€. Organic Letters, 2001, 3, 549-552.	2.4	23
216	Dependence of Concanavalin A Binding on Anomeric Configuration, Linkage Type, and Ligand Multiplicity for Thiourea-Bridged Mannopyranosylâ€"Î²-Cyclodextrin Conjugates. ChemBioChem, 2001, 2, 777.	1.3	43

#	Article	IF	Citations
217	Synthesis of glycosyl(thio)ureido sugars via carbodiimides and their conformational behaviour in water. Carbohydrate Research, 2000, 326, 161-175.	1.1	33
218	Nitrogen versus sulfur acylation in sugar thioureas: regioselectivity and conformational consequences. Tetrahedron: Asymmetry, 2000, 11, 1331-1341.	1.8	16
219	Synthesis and comparative lectin-binding affinity of mannosyl-coated Î²-cyclodextrin-dendrimer constructs. Chemical Communications, 2000, , 1489-1490.	2.2	76
220	Generalized Anomeric Effect in Action:â€‰ Synthesis and Evaluation of Stable Reducing Indolizidine Glycomimetics as Glycosidase Inhibitors. Journal of Organic Chemistry, 2000, 65, 136-143.	1.7	65
221	A Practical Amine-Free Synthesis of Symmetric Ureas and Thioureas by Self-Condensation of Iso(thio)cyanates. Synthesis, 1999, 1999, 1907-1914.	1.2	35
222	Polyhydroxylated N-(thio)carbamoyl piperidines: nojirimycin-type glycomimetics with controlled anomeric configuration. Tetrahedron: Asymmetry, 1999, 10, 4271-4275.	1.8	17
223	Qualitative and quantitative evaluation of mono- and disaccharides in d-fructose, d-glucose and sucrose caramels by gasâ€“liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 1999, 844, 283-293.	1.8	80
224	Synthesis and anomeric stability of (1â†’6)-thiourea-linked pseudooligosaccharides. Carbohydrate Research, 1999, 320, 37-48.	1.1	32
225	Synthesis of 6,7-dideoxy-7-isothiocyanatoheptoses: stable fully unprotected monosaccharide isothiocyanates. Carbohydrate Research, 1999, 323, 218-225.	1.1	10
226	Sugar Thioureas as Anion Receptors. Effect of Intramolecular Hydrogen Bonding in the Carboxylate Binding Properties of Symmetric Sugar Thioureas. Organic Letters, 1999, 1, 1217-1220.	2.4	54
227	Cyclodextrin-Scaffolded Glycoclusters. Chemistry - A European Journal, 1998, 4, 2523-2531.	1.7	53
228	Sulfur Atom Participation in Thiooligosaccharide Chemistry:Â Synthesis of 1â€˜-Thiotrehalulose and 1â€˜-epi-Thiotrehalulose and Comparative Reactivity with the O-Linked Disaccharide Analogue, Trehaluloseâ€. Journal of Organic Chemistry, 1998, 63, 3572-3580.	1.7	14
229	Synthesis of Calystegine B2 Analogs by Tandem Tautomerization-Intramolecular Glycosylation of Thioureidosugars. Synlett, 1998, 1998, 316-318.	1.0	25
230	N-Thiocarbonyl azasugars: a new family of carbohydrate mimics with controlled anomeric configuration. Chemical Communications, 1997, , 1969.	2.2	51
231	The Thiocarbonyl Group in Carbohydrate Chemistry. Sulfur Reports, 1996, 19, 61-159.	0.7	39
232	Tautomeric rearrangement of 3-deoxy-3-thioureidoaldoses: a novel synthetic route to carbohydrate mimics having a cyclic thiourea structure. Chemical Communications, 1996, , 2077-2078.	2.2	8
233	Thioureido-Î²-cyclodextrins as molecular carriers. Chemical Communications, 1996, , 2741-2742.	2.2	23
234	One Step Synthesis of Branched Cyclodextrins. , 1996, , 145-148.		0

#	Article	IF	Citations
235	Isothiocyanates and cyclic thiocarbamates of Î±, Î±â€²-trehalose, sucrose, and cyclomaltooligosaccharides. Carbohydrate Research, 1995, 268, 57-71.	1.1	85
236	A mild and efficient procedure to remove acetal and dithioacetal protecting groups in carbohydrate derivatives using 2,3-dichloro-5,6-dicyano-1,4-benzoquinone. Carbohydrate Research, 1995, 274, 263-268.	1.1	41
237	Structure of the Hafnia alvei strain PCM 1188 O-specific polysaccharide. Carbohydrate Research, 1995, 277, 245-255.	1.1	11
238	Synthesis, conformational flexibility and preliminary complexation behaviour of Î±,Î±â€²-trehalose-based macrocycles containing thiourea spacers. Journal of the Chemical Society Chemical Communications, 1995, .	2.0	32
239	O-Acetyl Protection of 6-Aminoaldopyranosides and 1-Aminoalditols. Journal of Carbohydrate Chemistry, 1995, 14, 1133-1152.	0.4	13
240	Difructose dianhydrides as synthetic intermediates. A synthesis of 3,6-anhydro--D-fructose. Tetrahedron: Asymmetry, 1994, 5, 2241-2250.	1.8	8
241	Synthesis and conformational properties of sugar amides and thioamides. Tetrahedron: Asymmetry, 1994, 5, 2313-2324.	1.8	12
242	Influence of intramolecular hydrogen-bonding on the conformational properties of sugar thioureas. Tetrahedron: Asymmetry, 1994, 5, 2325-2334.	1.8	19
243	Difructose dianhydrides from sucrose and fructo-oligosaccharides and their use as building blocks for the preparation of amphiphiles, liquid crystals, and polymers. Carbohydrate Research, 1994, 265, 249-269.	1.1	33
244	1-Doexy-1-isothiocyanato-d-fructose as intermediate in syntheses of 1,3-O(S),N-heterocycles. Carbohydrate Research, 1994, 257, 127-135.	1.1	12
245	Protonic and thermal activation of sucrose and the oligosaccharide composition of caramel. Carbohydrate Research, 1994, 256, C1-C4.	1.1	45
246	Synthesis of dispirodioxanyl pseudo-oligosaccharides by selective protonic activation of isomeric glycosylfructoses in anhydrous hydrogen fluoride. Carbohydrate Research, 1994, 251, 1-15.	1.1	19
247	Protonic reactivity of sucrose in anhydrous hydrogen fluoride. Carbohydrate Research, 1994, 251, 17-31.	1.1	17
248	Enantiopure 2-Thioxotetrahydro-1,3-O,N-heterocycles from Carbohydrates. 3. Enantiopure C-4 Chiral Oxazine- and Oxazolidine-2-thiones from 3-Deoxy-3-isothiocyanato Sugars. Journal of Organic Chemistry, 1994, 59, 5565-5572.	1.7	32
249	Building Blocks for Glycopeptide Synthesis. Disaccharide Glycosyl Isothiocyanates. Journal of Carbohydrate Chemistry, 1993, 12, 487-505.	0.4	32
250	Chiral 2-thioxotetrahydro-1,3-O,N-heterocycles from carbohydrates. 2. Stereocontrolled synthesis of oxazolidine pseudo-C-nucleosides and bicyclic oxazine-2-thiones. Journal of Organic Chemistry, 1993, 58, 5192-5199.	1.7	61
251	The Reactivity of 1--Î±-D-glucopyranosyl-D-fructose (trehalulose) in pyridinium poly(hydrogen fluoride) or anhydrous HF. New D-glucose D-fructose mixed dianhydrides. Tetrahedron Letters, 1992, 33, 7861-7864.	0.7	15
252	Chiral 2-thioxotetrahydro-1,3-O,N-heterocycles from carbohydrates. Tetrahedron Letters, 1992, 33, 3931-3934.	0.7	23

#	Article	IF	Citations
253	Glucosylenamines as glycosyl acceptors: synthesis of gentiobiosylenamines. Carbohydrate Research, 1992, 232, 47-57.	1.1	14
254	Selective protonic activation of isomeric glycosylfructoseswith pyridinium poly(hydrogen fluoride) and synthesis of spirodioxanyl oligosaccharides. Carbohydrate Research, 1992, 237, 223-247.	1.1	33
255	Syntheses and spectral properties of Î²â€iodoureas and 2â€aminoâ€4,4â€diphenylâ€2â€oxazolines. Journal of Heterocyclic Chemistry, 1991, 28, 777-780.	1.4	3
256	Synthesis of N-Hetarylthiourea Derivatives of Carbohydrates. Journal of Carbohydrate Chemistry, 1990, 9, 837-851.	0.4	10
257	Syntheses of partially protected d-galactopyranosylthioureas: New d-galactopyranosylimidazoline-2-thiones and d-galactopyranosylaminothiazoles. Carbohydrate Research, 1989, 193, 314-321.	1.1	10
258	Regioselective benzoylations of glycopyranosylamines: Synthesis of partially protected glycopyranosyl isothiocyanates. Carbohydrate Research, 1989, 188, 35-44.	1.1	28
259	Syntheses of d-ribosylamines, d-ribopyranosyl isothiocyanates, and d-ribopyranosylthioureas, and their transformations into heterocyclic compounds. Carbohydrate Research, 1988, 173, 1-16.	1.1	23
260	Salt effects in reactions between ions of opposite charge. Transition Metal Chemistry, 1986, 11, 166-169.	0.7	10
261	Synthesis of glycosylaminothiazoles. Carbohydrate Research, 1986, 153, 318-324.	1.1	16
262	Stereoselective Synthesis of Nojirimycin Î±-C-Glycosides from a Bicyclic Acyliminium Intermediate: A Convenient Entry to N,C-Biantennary Glycomimetics. ACS Omega, 0, , .	1.6	2