

# Carmen Ortiz Mellet

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6069340/carmen-ortiz-mellet-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239  
papers

7,915  
citations

49  
h-index

72  
g-index

280  
ext. papers

8,560  
ext. citations

5.4  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
239	Bicyclic Picomolar OGA Inhibitors Enable Chemoproteomic Mapping of Its Endogenous Post-translational Modifications.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	4
238	Enhanced Gene Delivery Triggered by Dual pH/Redox Responsive Host-Guest Dimerization of Cyclooligosaccharide Star Polycations.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200145	4.8	0
237	sp-Iminosugars targeting human lysosomal $\beta$ -hexosaminidase as pharmacological chaperone candidates for late-onset Tay-Sachs disease.. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2022</b> , 37, 1364-1374	5.6	0
236	Anti-Inflammatory (M2) Response Is Induced by a sp-Iminosugar Glycolipid Sulfoxide in Diabetic Retinopathy. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 632132	8.4	3
235	Trifaceted Mickey Mouse Amphiphiles for Programmable Self-Assembly, DNA Complexation and Organ-Selective Gene Delivery. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 9429-9438	4.8	1
234	A versatile stereocontrolled synthesis of 2-deoxyiminosugar C-glycosides and their evaluation as glycosidase inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 1083-1099	3.9	0
233	Synthesis, self-assembly and anticancer drug encapsulation and delivery properties of cyclodextrin-based giant amphiphiles. <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117135	10.3	12
232	Rational design of cell active C2-modified DGJ analogues for the inhibition of human $\beta$ -galactosidase A (GALA). <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 8057-8062	3.9	
231	Cyclodextrin-Based Nanostructure Efficiently Delivers siRNA to Glioblastoma Cells Preferentially via Macropinocytosis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
230	sp2-Iminosugars as chemical mimics for glycodrug design <b>2020</b> , 197-224		0
229	Stereoselective Synthesis of Iminosugar 2-Deoxy(thio)glycosides from Bicyclic Iminoglycal Carbamates Promoted by Cerium(IV) Ammonium Nitrate and Cooperative Brønsted Acid-Type Organocatalysis. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 5038-5047	4.2	4
228	Synthesis, conformational analysis and assays of an anti-cancer vaccine that features an unnatural antigen based on an sp-iminosugar fragment. <i>Chemical Science</i> , <b>2020</b> , 11, 3996-4006	9.4	11
227	Carbohydrate supramolecular chemistry: beyond the multivalent effect. <i>Chemical Communications</i> , <b>2020</b> , 56, 5207-5222	5.8	27
226	Click Synthesis of Size- and Shape-Tunable Star Polymers with Functional Macrocyclic Cores for Synergistic DNA Complexation and Delivery. <i>Biomacromolecules</i> , <b>2020</b> , 21, 5173-5188	6.9	5
225	Amplified Detection of Breast Cancer Autoantibodies Using MUC1-Based Tn Antigen Mimics. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 8524-8533	8.3	6
224	Tuning the Topological Landscape of DNA-Cyclodextrin Nanocomplexes by Molecular Design. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15259-15269	4.8	6
223	Cyclodextrin-Based Functional Glyconanomaterials. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9

222	Trehalose-based Siamese twin amphiphiles with tunable self-assembling, DNA nanocomplexing and gene delivery properties. <i>Chemical Communications</i> , <b>2019</b> , 55, 8227-8230	5.8	10
221	Multiply linked cyclodextrin-aromatic hybrids: Caps, hinges and clips. <i>Journal of Carbohydrate Chemistry</i> , <b>2019</b> , 38, 470-493	1.7	10
220	Pharmacological Chaperones for the Treatment of $\beta$ -Mannosidosis. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 5832-5843	8.3	16
219	sp-Iminosugar glycolipids as inhibitors of lipopolysaccharide-mediated human dendritic cell activation <i>in vitro</i> and of acute inflammation in mice <i>in vivo</i> . <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 169, 111-120	6.8	10
218	Dynamic Control of the Self-Assembling Properties of Cyclodextrins by the Interplay of Aromatic and Host-Guest Interactions. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 72	5	7
217	Thiol-ene "Click" Synthesis and Pharmacological Evaluation of $\beta$ -Glycoside sp-Iminosugar Glycolipids. <i>Molecules</i> , <b>2019</b> , 24,	4.8	3
216	Synthesis of polyfluoroalkyl sp-iminosugar glycolipids and evaluation of their immunomodulatory properties towards anti-tumor, anti-leishmanial and anti-inflammatory therapies. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 182, 111604	6.8	10
215	Multivalent glycoligands with lectin/enzyme dual specificity: self-deliverable glycosidase regulators. <i>Chemical Communications</i> , <b>2019</b> , 55, 12845-12848	5.8	3
214	Xylylene Clips for the Topology-Guided Control of the Inclusion and Self-Assembling Properties of Cyclodextrins. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 5588-5597	4.2	6
213	Plasmid-Templated Control of DNA-Cyclodextrin Nanoparticle Morphology through Molecular Vector Design for Effective Gene Delivery. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3825-3835	4.8	16
212	Giant Glycosidase Inhibitors: First- and Second-Generation Fullerodendrimers with a Dense Iminosugar Shell. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2483-2492	4.8	24
211	Probing the Inhibitor versus Chaperone Properties of sp $\beta$ -Iminosugars towards Human $\beta$ -Glucocerebrosidase: A Picomolar Chaperone for Gaucher Disease. <i>Molecules</i> , <b>2018</b> , 23,	4.8	21
210	Revealing cooperative binding of polycationic cyclodextrins with DNA oligomers by capillary electrophoresis coupled to mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1002, 70-81	6.6	11
209	The sp-iminosugar glycolipid 1-dodecylsulfonyl-5N,6O-oxomethylidenenojirimycin (DSO-ONJ) as selective anti-inflammatory agent by modulation of hemeoxygenase-1 in Bv.2 microglial cells and retinal explants. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 111, 454-466	4.7	15
208	Catalyst-Free Synthesis of Alkylpolyglycosides Induced by High-Frequency Ultrasound. <i>ChemSusChem</i> , <b>2018</b> , 11, 2673-2676	8.3	10
207	The Impact of Heteromultivalency in Lectin Recognition and Glycosidase Inhibition: An Integrated Mechanistic Study. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6295-6304	4.8	36
206	Fluorinated Chaperone- $\beta$ -Cyclodextrin Formulations for $\beta$ -Glucocerebrosidase Activity Enhancement in Neuronopathic Gaucher Disease. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 1829-1842	8.3	23
205	Construction of giant glycosidase inhibitors from iminosugar-substituted fullerene macromonomers. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6546-6556	7.3	17

204	Multivalency as an action principle in multimodal lectin recognition and glycosidase inhibition: a paradigm shift driven by carbon-based glyconanomaterials. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6428-6436	7.3	43
203	Carbon Dioxide as a Traceless Caramelization Promotor: Preparation of Prebiotic Difructose Dianhydrides (DFAs)-Enriched Caramels from d-Fructose. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 6093-6099	5.7	7
202	A novel potential nanophototherapeutic based on the assembly of an amphiphilic cationic $\beta$ -cyclodextrin and an anionic porphyrin. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2017</b> , 21, 398-405	1.8	7
201	Biophysics and protein corona analysis of Janus cyclodextrin-DNA nanocomplexes. Efficient cellular transfection on cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1737-1749	4	14
200	Molecular nanoparticle-based gene delivery systems. <i>Journal of Drug Delivery Science and Technology</i> , <b>2017</b> , 42, 18-37	4.5	35
199	Development of polycationic amphiphilic cyclodextrin nanoparticles for anticancer drug delivery. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 1457-1468	3	27
198	Molecular determinants for cyclo-oligosaccharide-based nanoparticle-mediated effective siRNA transfection. <i>Nanomedicine</i> , <b>2017</b> , 12, 1607-1621	5.6	10
197	Docetaxel-Loaded Nanoparticles Assembled from $\beta$ -Cyclodextrin/Calixarene Giant Surfactants: Physicochemical Properties and Cytotoxic Effect in Prostate Cancer and Glioblastoma Cells. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 249	5.6	27
196	Tn Antigen Mimics Based on sp(2)-Iminosugars with Affinity for an anti-MUC1 Antibody. <i>Organic Letters</i> , <b>2016</b> , 18, 3890-3	6.2	25
195	Potent Glycosidase Inhibition with Heterovalent Fullerenes: Unveiling the Binding Modes Triggering Multivalent Inhibition. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11450-60	4.8	54
194	Toward a suitable structural analysis of gene delivery carrier based on polycationic carbohydrates by electron transfer dissociation tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2016</b> , 948, 62-72	6.6	5
193	Understanding multivalent effects in glycosidase inhibition using C-glycoside click clusters as molecular probes. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 7421-7430	3.6	16
192	Modulation of microglia polarization dynamics during diabetic retinopathy in db/db mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1663-74	6.9	57
191	Influence of the configurational pattern of sp(2)-iminosugar pseudo N-, S-, O- and C-glycosides on their glycoside inhibitory and antitumor properties. <i>Carbohydrate Research</i> , <b>2016</b> , 429, 113-22	2.9	32
190	Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, GM1-gangliosidosis and Fabry diseases. <i>Chemical Communications</i> , <b>2016</b> , 52, 5497-515	5.8	94
189	Conformationally-locked C-glycosides: tuning aglycone interactions for optimal chaperone behaviour in Gaucher fibroblasts. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 1473-84	3.9	10
188	Inhibitor versus chaperone behaviour of d-fagomine, DAB and LAB sp(2)-iminosugar conjugates against glycosidases: A structure-activity relationship study in Gaucher fibroblasts. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 121, 880-891	6.8	29
187	Efficient stereoselective synthesis of 2-acetamido-1,2-dideoxyallonojirimycin (DAJNAc) and sp(2)-iminosugar conjugates: Novel hexosaminidase inhibitors with discrimination capabilities between the mature and precursor forms of the enzyme. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 121, 886-898	6.8	21

186	Trehalose-based Janus cyclooligosaccharides: the "Click" synthesis and DNA-directed assembly into pH-sensitive transfectious nanoparticles. <i>Chemical Communications</i> , <b>2016</b> , 52, 10117-20	5.8	18
185	Deciphering of polycationic carbohydrate based non-viral gene delivery agents by ESI-LTQ-Orbitrap using CID/HCD pairwise tandem mass spectrometry. <i>RSC Advances</i> , <b>2016</b> , 6, 78803-78817	3.7	6
184	Impact of Nonthermal Atmospheric Plasma on the Structure of Cellulose: Access to Soluble Branched Glucans. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16522-16530	4.8	11
183	Cyclodextrin-based facial amphiphiles: assessing the impact of the hydrophilic-lipophilic balance in the self-assembly, DNA complexation and gene delivery capabilities. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 10037-10049	3.9	17
182	Cholesterol-Targeted Anticancer and Apoptotic Effects of Anionic and Polycationic Amphiphilic Cyclodextrin Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 3172-3182	3.9	22
181	Stereoselective synthesis of 2-acetamido-1,2-dideoxynojirimycin (DNJNAc) and ureido-DNJNAc derivatives as new hexosaminidase inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 6500-10	3.9	17
180	Harmonized tuning of nucleic acid and lectin binding properties with multivalent cyclodextrins for macrophage-selective gene delivery. <i>RSC Advances</i> , <b>2015</b> , 5, 76464-76471	3.7	4
179	Inhibition of type 1 fimbriae-mediated Escherichia coli adhesion and biofilm formation by trimeric cluster thiomannosides conjugated to diamond nanoparticles. <i>Nanoscale</i> , <b>2015</b> , 7, 2325-35	7.7	45
178	Cyclodextrin- and calixarene-based polycationic amphiphiles as gene delivery systems: a structure-activity relationship study. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 1708-23	3.9	45
177	Synthesis of high-mannose oligosaccharide analogues through click chemistry: true functional mimics of their natural counterparts against lectins?. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1978-91	4.8	32
176	Conformationally-locked N-glycosides: exploiting long-range non-glycone interactions in the design of pharmacological chaperones for Gaucher disease. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 90, 258-66	6.8	12
175	Correlations between changes in intestinal microbiota composition and performance parameters in broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2015</b> , 99, 418-23	2.6	33
174	Pharmacological Chaperones and Coenzyme Q10 Treatment Improves Mutant $\beta$ -Glucocerebrosidase Activity and Mitochondrial Function in Neuronopathic Forms of Gaucher Disease. <i>Scientific Reports</i> , <b>2015</b> , 5, 10903	4.9	88
173	Host-Guest-Mediated DNA Templatation of Polycationic Supramolecules for Hierarchical Nanocondensation and the Delivery of Gene Material. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12093-104	4.8	34
172	pH-Responsive Pharmacological Chaperones for Rescuing Mutant Glycosidases. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11862-11866	3.6	5
171	pH-Responsive Pharmacological Chaperones for Rescuing Mutant Glycosidases. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11696-700	16.4	49
170	Effects of feed additives on ileal mucosa-associated microbiota composition of broiler chickens. <i>Journal of Animal Science</i> , <b>2015</b> , 93, 3410-20	0.7	16
169	Fluorinated hydroxypiperidines as selective $\beta$ -glucosidase inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 5983-96	3.9	4

168	Antileishmanial activity of sp <sup>2</sup> -iminosugar derivatives. <i>RSC Advances</i> , <b>2015</b> , 5, 21812-21822	3.7	23
167	Cell uptake mechanisms of glycosylated cationic pDNA $\beta$ -cyclodextrin nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 29135-29144	3.7	10
166	Unprecedented inhibition of glycosidase-catalyzed substrate hydrolysis by nanodiamond-grafted O-glycosides. <i>RSC Advances</i> , <b>2015</b> , 5, 100568-100578	3.7	23
165	Targeted delivery of pharmacological chaperones for Gaucher disease to macrophages by a mannosylated cyclodextrin carrier. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 2289-301	3.9	37
164	Synthesis of substituted exo-glucals via a modified Julia olefination and identification as selective $\beta$ -glucosidase inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 690-9	3.9	10
163	Synthesis of multibranched australine derivatives from reducing castanospermine analogues through the Amadori rearrangement of gem-diamine intermediates: selective inhibitors of $\beta$ -glucosidase. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 11722-8	4.2	19
162	Iminosugar-based glycopolypeptides: glycosidase inhibition with bioinspired glycoprotein analogue micellar self-assemblies. <i>Chemical Communications</i> , <b>2014</b> , 50, 3350-2	5.8	68
161	Cyclodextrin-scaffolded amphiphilic aminoglucoside clusters: self-assembling and gene delivery capabilities. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 5215-5225	3.6	12
160	Glycoligand-targeted core-shell nanospheres with tunable drug release profiles from calixarene-cyclodextrin heterodimers. <i>Chemical Communications</i> , <b>2014</b> , 50, 7440-3	5.8	45
159	Trehalose- and glucose-derived glycoamphiphiles: small-molecule and nanoparticle Toll-like receptor 4 (TLR4) modulators. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 9105-23	8.3	23
158	Dynamic self-assembly of polycationic clusters based on cyclodextrins for pH-sensitive DNA nanocondensation and delivery by component design. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6622-7	4.8	31
157	Molecular basis of 1-deoxygalactonojirimycin arylthiourea binding to human $\beta$ -galactosidase a: pharmacological chaperoning efficacy on Fabry disease mutants. <i>ACS Chemical Biology</i> , <b>2014</b> , 9, 1460-9	4.9	43
156	Correction to Topological Effects and Binding Modes Operating with Multivalent Iminosugar-Based Glycoclusters and Mannosidases <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6773-6773	16.4	2
155	Neuronopathic Gaucher's disease: induced pluripotent stem cells for disease modelling and testing chaperone activity of small compounds. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 281-281	5.6	
154	Structural basis of pharmacological chaperoning for human $\beta$ -galactosidase. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 14560-8	5.4	48
153	A Di-D-Fructose Dianhydride-Enriched Caramel Modulates Pig Fecal Microbiota Composition. <i>Advances in Microbiology</i> , <b>2014</b> , 04, 242-251	0.6	5
152	Stereoselective synthesis of 2-acetamido-1,2-dideoxyallonojirimycin (DAJNAc), a new potent hexosaminidase inhibitor. <i>Organic Letters</i> , <b>2013</b> , 15, 3638-41	6.2	13
151	Targeted gene delivery by new folate-polycationic amphiphilic cyclodextrin-DNA nanocomplexes in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2013</b> , 85, 390-7	5.7	50

150	Amphiphilic oligoethyleneimine- $\beta$ -cyclodextrin "click" clusters for enhanced DNA delivery. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 8143-8	4.2	29
149	The multivalent effect in glycosidase inhibition: probing the influence of valency, peripheral ligand structure, and topology with cyclodextrin-based iminosugar click clusters. <i>ChemBioChem</i> , <b>2013</b> , 14, 2038-49	3.8	50
148	Topological effects and binding modes operating with multivalent iminosugar-based glycoclusters and mannosidases. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18427-35	16.4	70
147	Probing the nature of the cluster effect observed with synthetic multivalent galactosides and peanut agglutinin lectin. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 729-38	4.8	22
146	Click Multivalent Glycomaterials: Glycoclusters, Glycodendrimers, Glycopolymers, Hybrid Glycomaterials, and Glycosurfaces <b>2013</b> , 143-182		1
145	o-Xylylene protecting group in carbohydrate chemistry: application to the regioselective protection of a single vic-diol segment in cyclodextrins. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 1390-403	4.2	30
144	Cyclodextrin-based multivalent glycodisplays: covalent and supramolecular conjugates to assess carbohydrate-protein interactions. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4746-73	58.5	201
143	Competitive processes of a chromophore modified $\beta$ -cyclodextrin in the presence of a fluorescence polarity sensitive probe. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 256, 42-51	4.7	4
142	Influence of the macroring size on the self-association thermodynamics of cyclodextrins with a double-linked naphthalene at the secondary face. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 5472-85	3.4	5
141	N-Thiocarbonyl Iminosugars: Synthesis and Evaluation of Castanospermine Analogues Bearing Oxazole-2(3H)-thione Moieties. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 7941-7951	3.2	7
140	Multivalency in heterogeneous glycoenvironments: hetero-glycoclusters, -glycopolymers and -glycoassemblies. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4518-31	58.5	123
139	A bicyclic 1-deoxygalactonojirimycin derivative as a novel pharmacological chaperone for GM1 gangliosidosis. <i>Molecular Therapy</i> , <b>2013</b> , 21, 526-32	11.7	61
138	Cyclodextrin-scaffolded glycotransporters for gene delivery. <i>Pure and Applied Chemistry</i> , <b>2013</b> , 85, 1825-1845	18.45	14
137	Neuronopathic Gaucher's disease: induced pluripotent stem cells for disease modelling and testing chaperone activity of small compounds. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 633-45	5.6	70
136	Fullerene-sp <sup>2</sup> -iminosugar balls as multimodal ligands for lectins and glycosidases: a mechanistic hypothesis for the inhibitory multivalent effect. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 16791-803	4.8	85
135	Effects of inulin and di-D-fructose dianhydride-enriched caramels on intestinal microbiota composition and performance of broiler chickens. <i>Animal</i> , <b>2013</b> , 7, 1779-88	3.1	17
134	Bicyclic derivatives of L-idonojirimycin as pharmacological chaperones for neuronopathic forms of Gaucher disease. <i>ChemBioChem</i> , <b>2013</b> , 14, 943-9	3.8	30
133	New castanospermine glycoside analogues inhibit breast cancer cell proliferation and induce apoptosis without affecting normal cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e76411	3.7	31

132	CHAPTER 5:Cyclodextrins for Pharmaceutical and Biomedical Applications. <i>Monographs in Supramolecular Chemistry</i> , <b>2013</b> , 94-139	1.1	4
131	Synthesis and glycosidase inhibitory activity of isourea-type bicyclic sp <sup>2</sup> -iminosugars related to galactonojirimycin and allonojirimycin. <i>Tetrahedron</i> , <b>2012</b> , 68, 681-689	2.4	11
130	Improving inclusion capabilities of permethylated cyclodextrins by appending a cap-like aromatic moiety. <i>Tetrahedron</i> , <b>2012</b> , 68, 2961-2972	2.4	6
129	Polycationic amphiphilic cyclodextrins as gene vectors: effect of the macrocyclic ring size on the DNA complexing and delivery properties. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 5570-81	3.9	32
128	Tuning glycosidase inhibition through aglycone interactions: pharmacological chaperones for Fabry disease and GM1 gangliosidosis. <i>Chemical Communications</i> , <b>2012</b> , 48, 6514-6	5.8	46
127	Conformationally-locked N-glycosides with selective $\beta$ -glucosidase inhibitory activity: identification of a new non-iminosugar-type pharmacological chaperone for Gaucher disease. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 6857-65	8.3	32
126	Probing carbohydrate-lectin recognition in heterogeneous environments with monodisperse cyclodextrin-based glycoclusters. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 1273-88	4.2	62
125	Scalable syntheses of both enantiomers of DNJNac and DGJNac from glucuronolactone: the effect of N-alkylation on hexosaminidase inhibition. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9341-59	4.8	39
124	sp <sup>2</sup> -Iminosugar O-, S-, and N-glycosides as conformational mimics of linked disaccharides; implications for glycosidase inhibition. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 8527-39	4.8	44
123	Glycotransporters for gene delivery. <i>Carbohydrate Chemistry</i> , <b>2012</b> , 338-375	3	8
122	Monodisperse nanoparticles from self-assembling amphiphilic cyclodextrins: modulable tools for the encapsulation and controlled release of pharmaceuticals. <i>Medicinal Chemistry</i> , <b>2012</b> , 8, 524-32	1.8	13
121	$\beta$ -Cyclodextrin-based polycationic amphiphilic "click" clusters: effect of structural modifications in their DNA complexing and delivery properties. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 5882-94	4.2	70
120	Amphiphilic 1-deoxynojirimycin derivatives through click strategies for chemical chaperoning in N370S Gaucher cells. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 7757-68	4.2	46
119	Cyclodextrin-based gene delivery systems. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 1586-608	58.5	339
118	Cyclodextrin-mediated crystallization of acid $\beta$ -glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 4160-7	3.9	30
117	Bicyclic (galacto)nojirimycin analogues as glycosidase inhibitors: effect of structural modifications in their pharmacological chaperone potential towards $\beta$ -glucocerebrosidase. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 3698-713	3.9	45
116	Mannosyl-coated nanocomplexes from amphiphilic cyclodextrins and pDNA for site-specific gene delivery. <i>Biomaterials</i> , <b>2011</b> , 32, 7263-73	15.6	87
115	Pharmacological chaperone therapy for Gaucher disease: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2011</b> , 21, 885-903	6.8	94



114	Stereoselective Synthesis of Difructose Dianhydrides by Use of the Xylylene Group as Stereodirecting Element in Spiroketalisation Reactions. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 517-528	3.2	4
113	Symmetry complementarity-guided design of anthrax toxin inhibitors based on $\beta$ -cyclodextrin: Synthesis and relative activities of face-selective functionalized polycationic clusters. <i>ChemMedChem</i> , <b>2011</b> , 6, 181-92	3.7	25
112	The multivalent effect in glycosidase inhibition: probing the influence of architectural parameters with cyclodextrin-based iminosugar click clusters. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13825-31	4.8	79
111	Polycationic amphiphilic cyclodextrin-based nanoparticles for therapeutic gene delivery. <i>Nanomedicine</i> , <b>2011</b> , 6, 1697-707	5.6	51
110	(Pseudo)amide-linked oligosaccharide mimetics: molecular recognition and supramolecular properties. <i>Beilstein Journal of Organic Chemistry</i> , <b>2010</b> , 6, 20	2.5	26
109	Difructose dianhydrides (DFAs) and DFA-enriched products as functional foods. <i>Topics in Current Chemistry</i> , <b>2010</b> , 294, 49-77		28
108	Di-D-fructose dianhydride-enriched products by acid ion-exchange resin-promoted caramelization of D-fructose: chemical analyses. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 1777-87	5.7	34
107	Comparative studies on lectin-carbohydrate interactions in low and high density homo- and heteroglycoclusters. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 1849-60	3.9	56
106	Synthesis of N-, S-, and C-glycoside castanospermine analogues with selective neutral alpha-glucosidase inhibitory activity as antitumour agents. <i>Chemical Communications</i> , <b>2010</b> , 46, 5328-30	5.8	63
105	Di-D-fructose dianhydride-enriched caramels: effect on colon microbiota, inflammation, and tissue damage in trinitrobenzenesulfonic acid-induced colitic rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 6476-84	5.7	41
104	Fluorescent-tagged sp <sup>2</sup> -iminosugars with potent $\beta$ -glucosidase inhibitory activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 7439-45	3.4	21
103	Insights in cellular uptake mechanisms of pDNA-polycationic amphiphilic cyclodextrin nanoparticles (CDplexes). <i>Journal of Controlled Release</i> , <b>2010</b> , 143, 318-25	11.7	80
102	A Fluorescent sp <sup>2</sup> -iminosugar with pharmacological chaperone activity for gaucher disease: synthesis and intracellular distribution studies. <i>ChemBioChem</i> , <b>2010</b> , 11, 2453-64	3.8	45
101	Preorganized, macromolecular, gene-delivery systems. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 6728-42	4.8	98
100	Glycosidase Inhibition with Fullerene Iminosugar Balls: A Dramatic Multivalent Effect. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 5889-5892	3.6	56
99	Glycosidase inhibition with fullerene iminosugar balls: a dramatic multivalent effect. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5753-6	16.4	158
98	Polycationic amphiphilic cyclodextrins for gene delivery: synthesis and effect of structural modifications on plasmid DNA complex stability, cytotoxicity, and gene expression. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 12871-88	4.8	93
97	6-Amino-6-deoxy-5,6-di-N-(N'-octyliminomethylidene)nojirimycin: synthesis, biological evaluation, and crystal structure in complex with acid beta-glucosidase. <i>ChemBioChem</i> , <b>2009</b> , 10, 1480-5	3.8	42

96	Chaperone activity of bicyclic nojirimycin analogues for Gaucher mutations in comparison with N-(n-nonyl)deoxynojirimycin. <i>ChemBioChem</i> , <b>2009</b> , 10, 2780-92	3.8	78
95	Thermodynamics of the dimer formation of 2(I),3(I)-O-(o-xylylene)-per-O-Me-gamma-cyclodextrin: fluorescence, molecular mechanics and molecular dynamics. <i>Journal of Fluorescence</i> , <b>2009</b> , 19, 975-88	2.4	16
94	Regioselective synthesis and biological evaluation of spiro-sulfamidate glycosides from exo-glycals. <i>Tetrahedron: Asymmetry</i> , <b>2009</b> , 20, 1817-1823		13
93	Generalized anomeric effect in gem-diamines: stereoselective synthesis of alpha-N-linked disaccharide mimics. <i>Organic Letters</i> , <b>2009</b> , 11, 3306-9	6.2	33
92	Synthesis of thiohydantoin-castanospermine glycomimetics as glycosidase inhibitors. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 3595-8	4.2	26
91	Size-tunable trehalose-based nanocavities: synthesis, structure, and inclusion properties of large-ring cyclotrehalans. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 2997-3008	4.2	20
90	Preorganized macromolecular gene delivery systems: amphiphilic beta-cyclodextrin "click clusters". <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 2681-4	3.9	70
89	Multivalent iminosugars to modulate affinity and selectivity for glycosidases. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 357-63	3.9	107
88	Glycosidase inhibition by ring-modified castanospermine analogues: tackling enzyme selectivity by inhibitor tailoring. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 2738-47	3.9	45
87	Synthesis, structure, and inclusion capabilities of trehalose-based cyclodextrin analogues (cyclotrehalans). <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 2967-79	4.2	29
86	Study of the conformational and self-aggregation properties of 2I,3I-O-(o-xylylene)-per-O-Me-alpha- and -beta-cyclodextrins by fluorescence and molecular modeling. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 13717-29	3.4	25
85	Synthesis and biological evaluation of guanidine-type iminosugars. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 1995-8	4.2	27
84	Tailoring beta-cyclodextrin for DNA complexation and delivery by homogeneous functionalization at the secondary face. <i>Organic Letters</i> , <b>2008</b> , 10, 5143-6	6.2	54
83	Rational design of cationic cyclooligosaccharides as efficient gene delivery systems. <i>Chemical Communications</i> , <b>2008</b> , 2001-3	5.8	72
82	Chemical and enzymatic approaches to carbohydrate-derived spiroketals: di-D-fructose dianhydrides (DFAs). <i>Molecules</i> , <b>2008</b> , 13, 1640-70	4.8	28
81	Molecular basis for beta-glucosidase inhibition by ring-modified calystegine analogues. <i>ChemBioChem</i> , <b>2008</b> , 9, 2612-8	3.8	31
80	Synthesis and evaluation of sulfamide-type indolizidines as glycosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 2805-8	2.9	33
79	Stereoselective synthesis of nonsymmetrical difructose dianhydrides from xylylene-tethered d-fructose precursors. <i>Tetrahedron</i> , <b>2008</b> , 64, 2792-2800	2.4	7

78	Promoting helicity in carbohydrate-containing foldamers through long-range hydrogen bonds. <i>Chemical Communications</i> , <b>2007</b> , 831-3	5.8	13
77	Efficient use of Ellman safety-catch linker for solid-phase assisted synthesis of multivalent glycoconjugates. <i>ACS Combinatorial Science</i> , <b>2007</b> , 9, 339-42		12
76	Multi-mannosides based on a carbohydrate scaffold: synthesis, force field development, molecular dynamics studies, and binding affinities for lectin Con A. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 9032-45	4.2	70
75	One-pot regioselective synthesis of 2(I),3(I)-O-(o-xylylene)-capped cyclomaltooligosaccharides: tailoring the topology and supramolecular properties of cyclodextrins. <i>Chemical Communications</i> , <b>2007</b> , 3270-2	5.8	37
74	Synthesis and biological evaluation of 6-oxa-nor-tropine glycomimetics as glycosidase inhibitors. <i>Tetrahedron</i> , <b>2007</b> , 63, 7879-7884	2.4	21
73	Trehalose-based cyclodextrin analogs: cyclotrehalans (CTs). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2007</b> , 57, 147-150		7
72	Synthesis of Thiourea-Linked Glycooligomers that Mimic the Branching Patterns of Natural Oligosaccharides. <i>Synthesis</i> , <b>2007</b> , 2007, 2545-2558	2.9	2
71	Synthesis of alpha- and beta-glycosyl isothiocyanates via oxazoline intermediates. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 4547-50	4.2	19
70	The Synthesis and Structure of Linear and Dendritic Thiourea-Linked Glycooligomers. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 183-196	3.2	8
69	Spacer-mediated synthesis of contra-thermodynamic spiroacetals: stereoselective synthesis of C2-symmetric difructose dianhydrides. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 2257-66	4.2	13
68	Urea-, thiourea-, and guanidine-linked glycooligomers as phosphate binders in water. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 5136-43	4.2	81
67	The o-xylylene protecting group as an element of conformational control of remote stereochemistry in the synthesis of spiroketals. <i>Chemical Communications</i> , <b>2006</b> , 2610-2	5.8	21
66	Intramolecular benzyl protection delivery: a practical synthesis of DMDP and DGDP from D-fructose. <i>Organic Letters</i> , <b>2006</b> , 8, 297-9	6.2	26
65	Glyconanocavities: Cyclodextrins and Beyond. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2006</b> , 56, 149-159		35
64	Probing secondary carbohydrate-protein interactions with highly dense cyclodextrin-centered heteroglycoclusters: the heterocluster effect. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 7970-1	16.4	116
63	Rigid spacer-mediated synthesis of bis-spiroketal ring systems: stereoselective synthesis of nonsymmetrical spiro disaccharides. <i>Organic Letters</i> , <b>2005</b> , 7, 729-31	6.2	13
62	1,2,3-Triazoles and related glycoconjugates as new glycosidase inhibitors. <i>Tetrahedron</i> , <b>2005</b> , 61, 9118-9128	12.8	68
61	Synthesis and Comparative Glycosidase Inhibitory Properties of Reducing Castanospermine Analogues. <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 2903-2913	3.2	33

60	Synthesis of Sugar Oxazolines by Intramolecular Ritter-Like Reaction of d-Fructose Precursors. <i>Synlett</i> , <b>2004</b> , 2004, 2230-2232	2.2	5
59	Synthesis of Calystegine B2, B3, and B4 Analogues: Mapping the Structure-Glycosidase Inhibitory Activity Relationships in the 1-Deoxy-6-oxacalystegine Series. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 1803-1819	3.2	38
58	Functional evaluation of carbohydrate-centred glycoclusters by enzyme-linked lectin assay: ligands for concanavalin A. <i>ChemBioChem</i> , <b>2004</b> , 5, 771-7	3.8	77
57	Carbohydrate-derived spiroketals: stereoselective synthesis of di-d-fructose dianhydrides. <i>Tetrahedron</i> , <b>2004</b> , 60, 5899-5906	2.4	17
56	A general entry to linear, dendritic and branched thiourea-linked glycooligomers as new motifs for phosphate ester recognition in water. <i>Chemical Communications</i> , <b>2004</b> , 92-3	5.8	11
55	Pseudoamide-type pyrrolidine and pyrrolizidine glycomimetics and their inhibitory activities against glycosidases. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 3578-81	4.2	47
54	Optimizing saccharide-directed molecular delivery to biological receptors: design, synthesis, and biological evaluation of glycodendrimer-cyclodextrin conjugates. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10355-63	16.4	205
53	Carbohydrate-derived spiroketals: stereoselective synthesis of di-D-fructose dianhydrides via intramolecular aglycon delivery. <i>Organic Letters</i> , <b>2003</b> , 5, 873-6	6.2	11
52	Synthesis and evaluation of isourea-type glycomimetics related to the indolizidine and trehazolin glycosidase inhibitor families. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 8890-901	4.2	53
51	Cyclotrehalins: Cyclooligosaccharide Receptors Featuring a Hydrophobic Cavity. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 3826-3828	3.6	5
50	Multivalent cyclooligosaccharides: versatile carbohydrate clusters with dual role as molecular receptors and lectin ligands. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 1982-90	4.8	90
49	Cyclotrehalins: cyclooligosaccharide receptors featuring a hydrophobic cavity. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 3674-6; 3521	16.4	28
48	Carbohydrate microarrays. <i>ChemBioChem</i> , <b>2002</b> , 3, 819-22	3.8	56
47	One-step synthesis of non-anomeric sugar isothiocyanates from sugar azides. <i>Carbohydrate Research</i> , <b>2002</b> , 337, 2329-34	2.9	30
46	Castanospermine-trehazolin hybrids: a new family of glycomimetics with tuneable glycosidase inhibitory properties. <i>Chemical Communications</i> , <b>2002</b> , 848-9	5.8	41
45	Dependence of concanavalin A binding on anomeric configuration, linkage type, and ligand multiplicity for thiourea-bridged mannopyranosyl-beta-cyclodextrin conjugates. <i>ChemBioChem</i> , <b>2001</b> , 2, 777-83	3.8	37
44	Carbohydrate-based receptors with multiple thiourea binding sites. Multipoint hydrogen bond recognition of dicarboxylates and monosaccharides. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 1366-72	4.2	73
43	Synthesis and evaluation of calystegine B2 analogues as glycosidase inhibitors. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 7604-14	4.2	44

42	Carbohydrate-derived spiroketals. Stereoselective synthesis of di-D-fructose dianhydrides by boron trifluoride promoted glycosylation-spiroketalization of acetal precursors. <i>Organic Letters</i> , <b>2001</b> , 3, 549-552	6.2	22
41	Synthesis of glycosyl(thio)ureido sugars via carbodiimides and their conformational behaviour in water. <i>Carbohydrate Research</i> , <b>2000</b> , 326, 161-75	2.9	28
40	Nitrogen versus sulfur acylation in sugar thioureas: regioselectivity and conformational consequences. <i>Tetrahedron: Asymmetry</i> , <b>2000</b> , 11, 1331-1341		16
39	Chemistry and developments of N-thiocarbonyl carbohydrate derivatives: Sugar isothiocyanates, thioamides, thioureas, thiocarbamates, and their conjugates. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , <b>2000</b> , 35-135	3.7	63
38	Synthesis and comparative lectin-binding affinity of mannosyl-coated $\beta$ -cyclodextrin-dendrimer constructs. <i>Chemical Communications</i> , <b>2000</b> , 1489-1490	5.8	72
37	Generalized anomeric effect in action: synthesis and evaluation of stable reducing indolizidine glycomimetics as glycosidase inhibitors. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 136-43	4.2	57
36	Synthesis of 6,7-dideoxy-7-isothiocyanatoheptoses: stable fully unprotected monosaccharide isothiocyanates. <i>Carbohydrate Research</i> , <b>2000</b> , 323, 218-25	2.9	7
35	A Practical Amine-Free Synthesis of Symmetric Ureas and Thioureas by Self-Condensation of Iso(thio)cyanates. <i>Synthesis</i> , <b>1999</b> , 1999, 1907-1914	2.9	33
34	Polyhydroxylated N-(thio)carbamoil piperidines: nojirimycin-type glycomimetics with controlled anomeric configuration. <i>Tetrahedron: Asymmetry</i> , <b>1999</b> , 10, 4271-4275		16
33	Synthesis and anomeric stability of (1->6)-thiourea-linked pseudooligosaccharides. <i>Carbohydrate Research</i> , <b>1999</b> , 320, 37-48	2.9	31
32	Sugar Thioureas as Anion Receptors. Effect of Intramolecular Hydrogen Bonding in the Carboxylate Binding Properties of Symmetric Sugar Thioureas. <i>Organic Letters</i> , <b>1999</b> , 1, 1217-1220	6.2	50
31	Synthesis and stereoelectronic properties of sugar-shaped polyhydroxylated hexahydropyrimidine-2-thiones. <i>Tetrahedron</i> , <b>1998</b> , 54, 14123-14144	2.4	7
30	Cyclodextrin-Scaffolded Glycoclusters. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 2523-2531	4.8	49
29	Sulfur Atom Participation in Thiooligosaccharide Chemistry: Synthesis of 1 $\beta$ -Thiotrehalulose and 1 $\beta$ -Epi-Thiotrehalulose and Comparative Reactivity with the O-Linked Disaccharide Analogue, Trehalulose. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 3572-3580	4.2	13
28	Synthesis of Calystegine B2 Analogs by Tandem Tautomerization-Intramolecular Glycosylation of Thioureidosugars. <i>Synlett</i> , <b>1998</b> , 1998, 316-318	2.2	22
27	Macrocyclic Sugar Thioureas: Cyclooligosaccharides Mimicking Cyclopeptides <b>1998</b> , 103-108		
26	N-Thiocarbonyl azasugars: a new family of carbohydrate mimics with controlled anomeric configuration. <i>Chemical Communications</i> , <b>1997</b> , 1969	5.8	45
25	Aza-Wittig reaction of sugar isothiocyanates and sugar iminophosphoranes: An easy entry to unsymmetrical sugar carbodiimides. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 4161-4164	2	32

24	Synthesis of (1 → 6)-carbodiimide-tethered pseudooligosaccharides via aza-Wittig reaction. <i>Carbohydrate Research</i> , <b>1997</b> , 304, 261-270	2.9	28
23	The Thiocarbonyl Group in Carbohydrate Chemistry. <i>Sulfur Reports</i> , <b>1996</b> , 19, 61-159		38
22	Tautomeric rearrangement of 3-deoxy-3-thioureidoaldoses: a novel synthetic route to carbohydrate mimics having a cyclic thiourea structure. <i>Chemical Communications</i> , <b>1996</b> , 2077-2078	5.8	7
21	Thioureido- $\beta$ -cyclodextrins as molecular carriers. <i>Chemical Communications</i> , <b>1996</b> , 2741-2742	5.8	23
20	Stereocontrolled synthesis of sulfur-linked analogues of the branched tetrasaccharide repeating-unit of the immunostimulant polysaccharide schizophyllan and of its beta-(1→3)-branched, beta-(1→6)-linked isomer. <i>Carbohydrate Research</i> , <b>1996</b> , 281, 119-28	2.9	11
19	Synthesis of sulfur-linked analogues of nigerose, laminarabiose, laminaratriose, gentiobiose, gentiotriose, and laminaran trisaccharide Y. <i>Carbohydrate Research</i> , <b>1996</b> , 281, 99-118	2.9	18
18	Influence of intramolecular hydrogen-bonding on the conformation of 3-deoxy-3-thioureido sugars. <i>Carbohydrate Research</i> , <b>1996</b> , 286, 55-65	2.9	7
17	Conformational energetics of sugar thioureas and synthesis of glycosyl thioureido sugars. <i>Tetrahedron</i> , <b>1996</b> , 52, 12947-12970	2.4	16
16	Synthesis, conformational flexibility and preliminary complexation behaviour of $\beta$ -trehalose-based macrocycles containing thiourea spacers. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 57-58		31
15	O-Acetyl Protection of 6-Aminoaldopyranosides and 1-Aminoalditols. <i>Journal of Carbohydrate Chemistry</i> , <b>1995</b> , 14, 1133-1152	1.7	12
14	Isothiocyanates and cyclic thiocarbamates of alpha, alpha'-trehalose, sucrose, and cyclomaltooligosaccharides. <i>Carbohydrate Research</i> , <b>1995</b> , 268, 57-71	2.9	80
13	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. <i>Carbohydrate Research</i> , <b>1995</b> , 274, 263-8	2.9	35
12	Synthesis and conformational properties of sugar amides and thioamides. <i>Tetrahedron: Asymmetry</i> , <b>1994</b> , 5, 2313-2324		12
11	Influence of intramolecular hydrogen-bonding on the conformational properties of sugar thioureas. <i>Tetrahedron: Asymmetry</i> , <b>1994</b> , 5, 2325-2334		19
10	1-Doxy-1-isothiocyanato-d-fructose as intermediate in syntheses of 1,3-O(S),N-heterocycles. <i>Carbohydrate Research</i> , <b>1994</b> , 257, 127-135	2.9	11
9	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. <i>Journal of Organic Chemistry</i> , <b>1994</b> , 59, 5565-5572	4.2	31
8	Chiral 2-thioxotetrahydro-1,3-O,N-heterocycles from carbohydrates. 2. Stereocontrolled synthesis of oxazolidine pseudo-C-nucleosides and bicyclic oxazine-2-thiones. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 5192-5199	4.2	57
7	Building Blocks for Glycopeptide Synthesis. Disaccharide Glycosyl Isothiocyanates. <i>Journal of Carbohydrate Chemistry</i> , <b>1993</b> , 12, 487-505	1.7	30

- 6 Chiral 2-thioxotetrahydro-1,3-O,N-heterocycles from carbohydrates. *Tetrahedron Letters*, **1992**, 33, 3931-3934 20
- 5 Syntheses of  $\beta$ -iodourea derivatives of carbohydrates and glycosylamino-oxazolines. *Carbohydrate Research*, **1992**, 216, 21-32 2.9 7
- 4 Syntheses and spectral properties of  $\beta$ -iodoureas and 2-amino-4,4-diphenyl-2-oxazolines. *Journal of Heterocyclic Chemistry*, **1991**, 28, 777-780 1.9 3
- 3 Synthesis of N-Hetarylthiourea Derivatives of Carbohydrates. *Journal of Carbohydrate Chemistry*, **1990**, 9, 837-851 1.7 9
- 2 Syntheses of partially protected d-galactopyranosylthioureas: New d-galactopyranosylimidazoline-2-thiones and d-galactopyranosylaminothiazoles. *Carbohydrate Research*, **1989**, 193, 314-321 2.9 10
- 1 Synthesis of glycosylaminothiazoles. *Carbohydrate Research*, **1986**, 153, 318-324 2.9 15