

Carmen Ortiz Mellet

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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	Cyclodextrin-based gene delivery systems. <i>Chemical Society Reviews</i> , 2011 , 40, 1586-608	58.5	339
238	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> , 2004 , 126, 10355-63	16.4	205
237	Cyclodextrin-based multivalent glycodisplays: covalent and supramolecular conjugates to assess carbohydrate-protein interactions. <i>Chemical Society Reviews</i> , 2013 , 42, 4746-73	58.5	201
236	Glycosidase inhibition with fullerene iminosugar balls: a dramatic multivalent effect. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5753-6	16.4	158
235	Multivalency in heterogeneous glycoenvironments: hetero-glycoclusters, -glycopolymers and -glycoassemblies. <i>Chemical Society Reviews</i> , 2013 , 42, 4518-31	58.5	123
234	Probing secondary carbohydrate-protein interactions with highly dense cyclodextrin-centered heteroglycoclusters: the heterocluster effect. <i>Journal of the American Chemical Society</i> , 2005 , 127, 7970-1	16.4	116
233	Multivalent iminosugars to modulate affinity and selectivity for glycosidases. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 357-63	3.9	107
232	Preorganized, macromolecular, gene-delivery systems. <i>Chemistry - A European Journal</i> , 2010 , 16, 6728-42	4.8	98
231	Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, GM1-gangliosidosis and Fabry diseases. <i>Chemical Communications</i> , 2016 , 52, 5497-515	5.8	94
230	Pharmacological chaperone therapy for Gaucher disease: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2011 , 21, 885-903	6.8	94
229	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> , 2009 , 15, 12871-88	4.8	93
228	Multivalent cyclooligosaccharides: versatile carbohydrate clusters with dual role as molecular receptors and lectin ligands. <i>Chemistry - A European Journal</i> , 2002 , 8, 1982-90	4.8	90
227	Pharmacological Chaperones and Coenzyme Q10 Treatment Improves Mutant β -Glucocerebrosidase Activity and Mitochondrial Function in Neuronopathic Forms of Gaucher Disease. <i>Scientific Reports</i> , 2015 , 5, 10903	4.9	88
226	Mannosyl-coated nanocomplexes from amphiphilic cyclodextrins and pDNA for site-specific gene delivery. <i>Biomaterials</i> , 2011 , 32, 7263-73	15.6	87
225	Fullerene-sp ² -iminosugar balls as multimodal ligands for lectins and glycosidases: a mechanistic hypothesis for the inhibitory multivalent effect. <i>Chemistry - A European Journal</i> , 2013 , 19, 16791-803	4.8	85
224	Urea-, thiourea-, and guanidine-linked glycooligomers as phosphate binders in water. <i>Journal of Organic Chemistry</i> , 2006 , 71, 5136-43	4.2	81
223	Insights in cellular uptake mechanisms of pDNA-polycationic amphiphilic cyclodextrin nanoparticles (CDplexes). <i>Journal of Controlled Release</i> , 2010 , 143, 318-25	11.7	80

222	Isothiocyanates and cyclic thiocarbamates of alpha,alpha'-trehalose, sucrose, and cyclomaltooligosaccharides. <i>Carbohydrate Research</i> , 1995 , 268, 57-71	2.9	80
221	The multivalent effect in glycosidase inhibition: probing the influence of architectural parameters with cyclodextrin-based iminosugar click clusters. <i>Chemistry - A European Journal</i> , 2011 , 17, 13825-31	4.8	79
220	Chaperone activity of bicyclic nojirimycin analogues for Gaucher mutations in comparison with N-(n-nonyl)deoxynojirimycin. <i>ChemBioChem</i> , 2009 , 10, 2780-92	3.8	78
219	Functional evaluation of carbohydrate-centred glycoclusters by enzyme-linked lectin assay: ligands for concanavalin A. <i>ChemBioChem</i> , 2004 , 5, 771-7	3.8	77
218	Carbohydrate-based receptors with multiple thiourea binding sites. Multipoint hydrogen bond recognition of dicarboxylates and monosaccharides. <i>Journal of Organic Chemistry</i> , 2001 , 66, 1366-72	4.2	73
217	Rational design of cationic cyclooligosaccharides as efficient gene delivery systems. <i>Chemical Communications</i> , 2008 , 2001-3	5.8	72
216	Synthesis and comparative lectin-binding affinity of mannosyl-coated β -cyclodextrin-dendrimer constructs. <i>Chemical Communications</i> , 2000 , 1489-1490	5.8	72
215	Topological effects and binding modes operating with multivalent iminosugar-based glycoclusters and mannosidases. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18427-35	16.4	70
214	Neuronopathic Gaucher's disease: induced pluripotent stem cells for disease modelling and testing chaperone activity of small compounds. <i>Human Molecular Genetics</i> , 2013 , 22, 633-45	5.6	70
213	β -Cyclodextrin-based polycationic amphiphilic "click" clusters: effect of structural modifications in their DNA complexing and delivery properties. <i>Journal of Organic Chemistry</i> , 2011 , 76, 5882-94	4.2	70
212	Preorganized macromolecular gene delivery systems: amphiphilic beta-cyclodextrin "click clusters". <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2681-4	3.9	70
211	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> , 2007 , 72, 9032-45	4.2	70
210	Iminosugar-based glycopolypeptides: glycosidase inhibition with bioinspired glycoprotein analogue micellar self-assemblies. <i>Chemical Communications</i> , 2014 , 50, 3350-2	5.8	68
209	1,2,3-Triazoles and related glycoconjugates as new glycosidase inhibitors. <i>Tetrahedron</i> , 2005 , 61, 9118-9128	12.8	68
208	Synthesis of N-, S-, and C-glycoside castanospermine analogues with selective neutral alpha-glucosidase inhibitory activity as antitumour agents. <i>Chemical Communications</i> , 2010 , 46, 5328-30	5.8	63
207	Chemistry and developments of N-thiocarbonyl carbohydrate derivatives: Sugar isothiocyanates, thioamides, thioureas, thiocarbamates, and their conjugates. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2000 , 35-135	3.7	63
206	Probing carbohydrate-lectin recognition in heterogeneous environments with monodisperse cyclodextrin-based glycoclusters. <i>Journal of Organic Chemistry</i> , 2012 , 77, 1273-88	4.2	62
205	A bicyclic 1-deoxygalactonojirimycin derivative as a novel pharmacological chaperone for GM1 gangliosidosis. <i>Molecular Therapy</i> , 2013 , 21, 526-32	11.7	61

204	Modulation of microglia polarization dynamics during diabetic retinopathy in db/db mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 1663-74	6.9	57
203	Generalized anomeric effect in action: synthesis and evaluation of stable reducing indolizidine glycomimetics as glycosidase inhibitors. <i>Journal of Organic Chemistry</i> , 2000 , 65, 136-43	4.2	57
202	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> , 1993 , 58, 5192-5199	4.2	57
201	Comparative studies on lectin-carbohydrate interactions in low and high density homo- and heteroglycoclusters. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1849-60	3.9	56
200	Glycosidase Inhibition with Fullerene Iminosugar Balls: A Dramatic Multivalent Effect. <i>Angewandte Chemie</i> , 2010 , 122, 5889-5892	3.6	56
199	Carbohydrate microarrays. <i>ChemBioChem</i> , 2002 , 3, 819-22	3.8	56
198	Potent Glycosidase Inhibition with Heterovalent Fullerenes: Unveiling the Binding Modes Triggering Multivalent Inhibition. <i>Chemistry - A European Journal</i> , 2016 , 22, 11450-60	4.8	54
197	Tailoring beta-cyclodextrin for DNA complexation and delivery by homogeneous functionalization at the secondary face. <i>Organic Letters</i> , 2008 , 10, 5143-6	6.2	54
196	Synthesis and evaluation of isourea-type glycomimetics related to the indolizidine and trehazolin glycosidase inhibitor families. <i>Journal of Organic Chemistry</i> , 2003 , 68, 8890-901	4.2	53
195	Polycationic amphiphilic cyclodextrin-based nanoparticles for therapeutic gene delivery. <i>Nanomedicine</i> , 2011 , 6, 1697-707	5.6	51
194	Targeted gene delivery by new folate-polycationic amphiphilic cyclodextrin-DNA nanocomplexes in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 390-7	5.7	50
193	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> , 2013 , 14, 2038-49	3.8	50
192	Sugar Thioureas as Anion Receptors. Effect of Intramolecular Hydrogen Bonding in the Carboxylate Binding Properties of Symmetric Sugar Thioureas. <i>Organic Letters</i> , 1999 , 1, 1217-1220	6.2	50
191	pH-Responsive Pharmacological Chaperones for Rescuing Mutant Glycosidases. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11696-700	16.4	49
190	Cyclodextrin-Scaffolded Glycoclusters. <i>Chemistry - A European Journal</i> , 1998 , 4, 2523-2531	4.8	49
189	Structural basis of pharmacological chaperoning for human β -galactosidase. <i>Journal of Biological Chemistry</i> , 2014 , 289, 14560-8	5.4	48
188	Pseudoamide-type pyrrolidine and pyrrolizidine glycomimetics and their inhibitory activities against glycosidases. <i>Journal of Organic Chemistry</i> , 2004 , 69, 3578-81	4.2	47
187	Tuning glycosidase inhibition through aglycone interactions: pharmacological chaperones for Fabry disease and GM1 gangliosidosis. <i>Chemical Communications</i> , 2012 , 48, 6514-6	5.8	46

186	Amphiphilic 1-deoxynojirimycin derivatives through click strategies for chemical chaperoning in N370S Gaucher cells. <i>Journal of Organic Chemistry</i> , 2011 , 76, 7757-68	4.2	46
185	Inhibition of type 1 fimbriae-mediated Escherichia coli adhesion and biofilm formation by trimeric cluster thiomannosides conjugated to diamond nanoparticles. <i>Nanoscale</i> , 2015 , 7, 2325-35	7.7	45
184	Cyclodextrin- and calixarene-based polycationic amphiphiles as gene delivery systems: a structure-activity relationship study. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 1708-23	3.9	45
183	Glycoligand-targeted core-shell nanospheres with tunable drug release profiles from calixarene-cyclodextrin heterodimers. <i>Chemical Communications</i> , 2014 , 50, 7440-3	5.8	45
182	Bicyclic (galacto)nojirimycin analogues as glycosidase inhibitors: effect of structural modifications in their pharmacological chaperone potential towards β -glucocerebrosidase. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 3698-713	3.9	45
181	Glycosidase inhibition by ring-modified castanospermine analogues: tackling enzyme selectivity by inhibitor tailoring. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2738-47	3.9	45
180	A Fluorescent sp ² -iminosugar with pharmacological chaperone activity for gaucher disease: synthesis and intracellular distribution studies. <i>ChemBioChem</i> , 2010 , 11, 2453-64	3.8	45
179	N-Thiocarbonyl azasugars: a new family of carbohydrate mimics with controlled anomeric configuration. <i>Chemical Communications</i> , 1997 , 1969	5.8	45
178	sp ² -Iminosugar O-, S-, and N-glycosides as conformational mimics of linked disaccharides; implications for glycosidase inhibition. <i>Chemistry - A European Journal</i> , 2012 , 18, 8527-39	4.8	44
177	Synthesis and evaluation of calystegine B2 analogues as glycosidase inhibitors. <i>Journal of Organic Chemistry</i> , 2001 , 66, 7604-14	4.2	44
176	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> , 2017 , 5, 6428-6436	7.3	43
175	Molecular basis of 1-deoxygalactonojirimycin arylthiourea binding to human β galactosidase a: pharmacological chaperoning efficacy on Fabry disease mutants. <i>ACS Chemical Biology</i> , 2014 , 9, 1460-9	4.9	43
174	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> , 2009 , 10, 1480-5	3.8	42
173	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> , 2010 , 58, 6476-84	5.7	41
172	Castanospermine-trehazolin hybrids: a new family of glycomimetics with tuneable glycosidase inhibitory properties. <i>Chemical Communications</i> , 2002 , 848-9	5.8	41
171	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> , 2012 , 18, 9341-59	4.8	39
170	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> , 2004 , 2004, 1803-1819	3.2	38
169	The Thiocarbonyl Group in Carbohydrate Chemistry. <i>Sulfur Reports</i> , 1996 , 19, 61-159		38

168	Targeted delivery of pharmacological chaperones for Gaucher disease to macrophages by a mannosylated cyclodextrin carrier. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2289-301	3.9	37
167	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> , 2007 , 3270-2	5.8	37
166	Dependence of concanavalin A binding on anomeric configuration, linkage type, and ligand multiplicity for thiourea-bridged mannopyranosyl-beta-cyclodextrin conjugates. <i>ChemBioChem</i> , 2001 , 2, 777-83	3.8	37
165	The Impact of Heteromultivalency in Lectin Recognition and Glycosidase Inhibition: An Integrated Mechanistic Study. <i>Chemistry - A European Journal</i> , 2017 , 23, 6295-6304	4.8	36
164	Molecular nanoparticle-based gene delivery systems. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 42, 18-37	4.5	35
163	Glyconanocavities: Cyclodextrins and Beyond. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006 , 56, 149-159		35
162	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> , 1995 , 274, 263-8	2.9	35
161	Host-Guest-Mediated DNA Templatation of Polycationic Supramolecules for Hierarchical Nanocondensation and the Delivery of Gene Material. <i>Chemistry - A European Journal</i> , 2015 , 21, 12093-104	4.8	34
160	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> , 2010 , 58, 1777-87	5.7	34
159	Correlations between changes in intestinal microbiota composition and performance parameters in broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015 , 99, 418-23	2.6	33
158	Generalized anomeric effect in gem-diamines: stereoselective synthesis of alpha-N-linked disaccharide mimics. <i>Organic Letters</i> , 2009 , 11, 3306-9	6.2	33
157	Synthesis and evaluation of sulfamide-type indolizidines as glycosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 2805-8	2.9	33
156	Synthesis and Comparative Glycosidase Inhibitory Properties of Reducing Castanospermine Analogues. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 2903-2913	3.2	33
155	A Practical Amine-Free Synthesis of Symmetric Ureas and Thioureas by Self-Condensation of Iso(thio)cyanates. <i>Synthesis</i> , 1999 , 1999, 1907-1914	2.9	33
154	Synthesis of high-mannose oligosaccharide analogues through click chemistry: true functional mimics of their natural counterparts against lectins?. <i>Chemistry - A European Journal</i> , 2015 , 21, 1978-91	4.8	32
153	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> , 2016 , 429, 113-22	2.9	32
152	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> , 2012 , 10, 5570-81	3.9	32
151	Conformationally-locked N-glycosides with selective β -glucosidase inhibitory activity: identification of a new non-iminosugar-type pharmacological chaperone for Gaucher disease. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 6857-65	8.3	32

150	Aza-Wittig reaction of sugar isothiocyanates and sugar iminophosphoranes: An easy entry to unsymmetrical sugar carbodiimides. <i>Tetrahedron Letters</i> , 1997 , 38, 4161-4164	2	32
149	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> , 2014 , 20, 6622-7	4.8	31
148	New castanospermine glycoside analogues inhibit breast cancer cell proliferation and induce apoptosis without affecting normal cells. <i>PLoS ONE</i> , 2013 , 8, e76411	3.7	31
147	Molecular basis for beta-glucosidase inhibition by ring-modified calystegine analogues. <i>ChemBioChem</i> , 2008 , 9, 2612-8	3.8	31
146	Synthesis and anomeric stability of (1->6)-thiourea-linked pseudooligosaccharides. <i>Carbohydrate Research</i> , 1999 , 320, 37-48	2.9	31
145	Synthesis, conformational flexibility and preliminary complexation behaviour of β -trehalose-based macrocycles containing thiourea spacers. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 57-58		31
144	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> , 1994 , 59, 5565-5572	4.2	31
143	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> , 2013 , 78, 1390-403	4.2	30
142	Bicyclic derivatives of L-idonojirimycin as pharmacological chaperones for neuronopathic forms of Gaucher disease. <i>ChemBioChem</i> , 2013 , 14, 943-9	3.8	30
141	Cyclodextrin-mediated crystallization of acid β -glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 4160-7	3.9	30
140	One-step synthesis of non-anomeric sugar isothiocyanates from sugar azides. <i>Carbohydrate Research</i> , 2002 , 337, 2329-34	2.9	30
139	Building Blocks for Glycopeptide Synthesis. Disaccharide Glycosyl Isothiocyanates. <i>Journal of Carbohydrate Chemistry</i> , 1993 , 12, 487-505	1.7	30
138	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> , 2016 , 121, 880-891	6.8	29
137	Amphiphilic oligoethyleneimine- β -cyclodextrin "click" clusters for enhanced DNA delivery. <i>Journal of Organic Chemistry</i> , 2013 , 78, 8143-8	4.2	29
136	Synthesis, structure, and inclusion capabilities of trehalose-based cyclodextrin analogues (cyclotrehalans). <i>Journal of Organic Chemistry</i> , 2008 , 73, 2967-79	4.2	29
135	Difuctose dianhydrides (DFAs) and DFA-enriched products as functional foods. <i>Topics in Current Chemistry</i> , 2010 , 294, 49-77		28
134	Synthesis of (1 -> 6)-carbodiimide-tethered pseudooligosaccharides via aza-Wittig reaction. <i>Carbohydrate Research</i> , 1997 , 304, 261-270	2.9	28
133	Chemical and enzymatic approaches to carbohydrate-derived spiroketals: di-D-fructose dianhydrides (DFAs). <i>Molecules</i> , 2008 , 13, 1640-70	4.8	28

132	Cyclotrehalins: cyclooligosaccharide receptors featuring a hydrophobic cavity. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3674-6; 3521	16.4	28
131	Synthesis of glycosyl(thio)ureido sugars via carbodiimides and their conformational behaviour in water. <i>Carbohydrate Research</i> , 2000 , 326, 161-75	2.9	28
130	Carbohydrate supramolecular chemistry: beyond the multivalent effect. <i>Chemical Communications</i> , 2020 , 56, 5207-5222	5.8	27
129	Development of polycationic amphiphilic cyclodextrin nanoparticles for anticancer drug delivery. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1457-1468	3	27
128	Docetaxel-Loaded Nanoparticles Assembled from β -Cyclodextrin/Calixarene Giant Surfactants: Physicochemical Properties and Cytotoxic Effect in Prostate Cancer and Glioblastoma Cells. <i>Frontiers in Pharmacology</i> , 2017 , 8, 249	5.6	27
127	Synthesis and biological evaluation of guanidine-type iminosugars. <i>Journal of Organic Chemistry</i> , 2008 , 73, 1995-8	4.2	27
126	(Pseudo)amide-linked oligosaccharide mimetics: molecular recognition and supramolecular properties. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 20	2.5	26
125	Synthesis of thiohydantoin-castanospermine glycomimetics as glycosidase inhibitors. <i>Journal of Organic Chemistry</i> , 2009 , 74, 3595-8	4.2	26
124	Intramolecular benzyl protection delivery: a practical synthesis of DMDP and DGDP from D-fructose. <i>Organic Letters</i> , 2006 , 8, 297-9	6.2	26
123	Tn Antigen Mimics Based on sp(2)-Iminosugars with Affinity for an anti-MUC1 Antibody. <i>Organic Letters</i> , 2016 , 18, 3890-3	6.2	25
122	Symmetry complementarity-guided design of anthrax toxin inhibitors based on β -cyclodextrin: Synthesis and relative activities of face-selective functionalized polycationic clusters. <i>ChemMedChem</i> , 2011 , 6, 181-92	3.7	25
121	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> , 2008 , 112, 13717-29	3.4	25
120	Giant Glycosidase Inhibitors: First- and Second-Generation Fullerodendrimers with a Dense Iminosugar Shell. <i>Chemistry - A European Journal</i> , 2018 , 24, 2483-2492	4.8	24
119	Fluorinated Chaperone- β -Cyclodextrin Formulations for β -Glucocerebrosidase Activity Enhancement in Neuronopathic Gaucher Disease. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1829-1842	8.3	23
118	Trehalose- and glucose-derived glycoamphiphiles: small-molecule and nanoparticle Toll-like receptor 4 (TLR4) modulators. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9105-23	8.3	23
117	Antileishmanial activity of sp ² -iminosugar derivatives. <i>RSC Advances</i> , 2015 , 5, 21812-21822	3.7	23
116	Unprecedented inhibition of glycosidase-catalyzed substrate hydrolysis by nanodiamond-grafted O-glycosides. <i>RSC Advances</i> , 2015 , 5, 100568-100578	3.7	23
115	Thioureido- β -cyclodextrins as molecular carriers. <i>Chemical Communications</i> , 1996 , 2741-2742	5.8	23

114	Probing the nature of the cluster effect observed with synthetic multivalent galactosides and peanut agglutinin lectin. <i>Chemistry - A European Journal</i> , 2013 , 19, 729-38	4.8	22
113	Carbohydrate-derived spiroketals. Stereoselective synthesis of di-D-fructose dianhydrides by boron trifluoride promoted glycosylation-spiroketalization of acetal precursors. <i>Organic Letters</i> , 2001 , 3, 549-52	6.2	22
112	Synthesis of Calystegine B2 Analogs by Tandem Tautomerization-Intramolecular Glycosylation of Thioureidosugars. <i>Synlett</i> , 1998 , 1998, 316-318	2.2	22
111	Cholesterol-Targeted Anticancer and Apoptotic Effects of Anionic and Polycationic Amphiphilic Cyclodextrin Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 3172-3182	3.9	22
110	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> , 2016 , 121, 926-938	6.8	21
109	Probing the Inhibitor versus Chaperone Properties of sp ² -Iminosugars towards Human β -Glucocerebrosidase: A Picomolar Chaperone for Gaucher Disease. <i>Molecules</i> , 2018 , 23,	4.8	21
108	Fluorescent-tagged sp ² -iminosugars with potent β -glucosidase inhibitory activity. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 7439-45	3.4	21
107	Synthesis and biological evaluation of 6-oxa-nor-tropane glycomimetics as glycosidase inhibitors. <i>Tetrahedron</i> , 2007 , 63, 7879-7884	2.4	21
106	The o-xylene protecting group as an element of conformational control of remote stereochemistry in the synthesis of spiroketals. <i>Chemical Communications</i> , 2006 , 2610-2	5.8	21
105	Size-tunable trehalose-based nanocavities: synthesis, structure, and inclusion properties of large-ring cyclotrehalans. <i>Journal of Organic Chemistry</i> , 2009 , 74, 2997-3008	4.2	20
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