# Carmen Ortiz Mellet

List of Publications by Year
in descending order



| 243 | 9,087 | 52 | 77 |
|---|---|---|---|
| papers | citations | h-index | g-index |

34016

69108

| 281 | 281 | 281 | 6218 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cyclodextrin-based gene delivery systems. Chemical Society Reviews, 2011, 40, 1586-1608. | 18.7 | 371 |
| 2 | Cyclodextrin-based multivalent glycodisplays: covalent and supramolecular conjugates to assess carbohydrateâ€"protein interactions. Chemical Society Reviews, 2013, 42, 4746. | 18.7 | 227 |
| 3 | 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 |
| 4 | Glycosidase Inhibition with Fullerene Iminosugar Balls: A Dramatic Multivalent Effect. Angewandte Chemie - International Edition, 2010, 49, 5753-5756. | 7.2 | 174 |
| 5 | Multivalency in heterogeneous glycoenvironments: hetero-glycoclusters, -glycopolymers and -glycoassemblies. Chemical Society Reviews, 2013, 42, 4518-4531. | 18.7 | 143 |
| 6 | 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 |
| 7 | Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, G<sub>M1</sub>-gangliosidosis and Fabry diseases. Chemical Communications, 2016, 52, 5497-5515. | 2.2 | 122 |
| 8 | Multivalent iminosugars to modulate affinity and selectivity for glycosidases. Organic and Biomolecular Chemistry, 2009, 7, 357-363. | 1.5 | 121 |
| 9 | Preorganized, Macromolecular, Geneâ€Delivery Systems. Chemistry - A European Journal, 2010, 16, 6728-6742. | 1.7 | 108 |
| 10 | 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 |
| 11 | Pharmacological chaperone therapy for Gaucher disease: a patent review. Expert Opinion on Therapeutic Patents, 2011, 21, 885-903. | 2.4 | 106 |
| 12 | Multivalent Cyclooligosaccharides: Versatile Carbohydrate Clusters with Dual Role as Molecular Receptors and Lectin Ligands. Chemistry - A European Journal, 2002, 8, 1982. | 1.7 | 102 |
| 13 | 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 |
| 14 | Mannosyl-coated nanocomplexes from amphiphilic cyclodextrins and pDNA for site-specific gene delivery. Biomaterials, 2011, 32, 7263-7273. | 5.7 | 96 |
| 15 | The Multivalent Effect in Glycosidase Inhibition: Probing the Influence of Architectural Parameters with Cyclodextrinâ€based Iminosugar Click Clusters. Chemistry - A European Journal, 2011, 17, 13825-13831. | 1.7 | 93 |
| 16 | Fullereneâ€sp<sup>2</sup>â€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 |
| 17 | Isothiocyanates and cyclic thiocarbamates of Î±, Î±â€²-trehalose, sucrose, and cyclomaltooligosaccharides. Carbohydrate Research, 1995, 268, 57-71. | 1.1 | 85 |
| 18 | Insights in cellular uptake mechanisms of pDNAâ€"polycationic amphiphilic cyclodextrin nanoparticles (CDplexes). Journal of Controlled Release, 2010, 143, 318-325. | 4.8 | 85 |

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| 19 | Urea-, Thiourea-, and Guanidine-Linked Glycooligomers as Phosphate Binders in Water. Journal of Organic Chemistry, 2006, 71, 5136-5143. | 1.7 | 82 |
| 20 | Chaperone Activity of Bicyclic Nojirimycin Analogues for Gaucher Mutations in Comparison with <i>N</i>â€(<i>n</i>â€nonyl)Deoxynojirimycin. ChemBioChem, 2009, 10, 2780-2792. | 1.3 | 82 |
| 21 | 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 |
| 22 | Topological Effects and Binding Modes Operating with Multivalent Iminosugar-Based Glycoclusters and Mannosidases. Journal of the American Chemical Society, 2013, 135, 18427-18435. | 6.6 | 80 |
| 23 | 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 |
| 24 | Functional Evaluation of Carbohydrate-Centred Glycoclusters by Enzyme-Linked Lectin Assay: Ligands for Concanavalin A. ChemBioChem, 2004, 5, 771-777. | 1.3 | 79 |
| 25 | Rational design of cationic cyclooligosaccharides as efficient gene delivery systems. Chemical Communications, 2008, , 2001. | 2.2 | 79 |
| 26 | 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 |
| 27 | Preorganized macromolecular gene delivery systems: amphiphilic Î²-cyclodextrin â€œclick clustersâ€• Organic and Biomolecular Chemistry, 2009, 7, 2681. | 1.5 | 77 |
| 28 | Synthesis and comparative lectin-binding affinity of mannosyl-coated Î²-cyclodextrin-dendrimer constructs. Chemical Communications, 2000, , 1489-1490. | 2.2 | 76 |
| 29 | 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 |
| 30 | Iminosugar-based glycopolypeptides: glycosidase inhibition with bioinspired glycoprotein analogue micellar self-assemblies. Chemical Communications, 2014, 50, 3350-3352. | 2.2 | 75 |
| 31 | 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 |
| 32 | 1,2,3-Triazoles and related glycoconjugates as new glycosidase inhibitors. Tetrahedron, 2005, 61, 9118-9128. | 1.0 | 72 |
| 33 | Probing Carbohydrate-Lectin Recognition in Heterogeneous Environments with Monodisperse Cyclodextrin-Based Glycoclusters. Journal of Organic Chemistry, 2012, 77, 1273-1288. | 1.7 | 72 |
| 34 | 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 |
| 35 | A Bicyclic 1-Deoxygalactonojirimycin Derivative as a Novel Pharmacological Chaperone for GM1 Gangliosidosis. Molecular Therapy, 2013, 21, 526-532. | 3.7 | 70 |
| 36 | Carbohydrate supramolecular chemistry: beyond the multivalent effect. Chemical Communications, 2020, 56, 5207-5222. | 2.2 | 70 |

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| 37 | Chemistry and developments of N-thiocarbonyl carbohydrate derivatives: Sugar isothiocyanates, thioamides, thioureas, thiocarbamates, and their conjugates. Advances in Carbohydrate Chemistry and Biochemistry, 2000, , 35-135. | 0.4 | 69 |
| 38 | 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 |
| 39 | Potent Glycosidase Inhibition with Heterovalent Fullerenes: Unveiling the Binding Modes Triggering Multivalent Inhibition. Chemistry - A European Journal, 2016, 22, 11450-11460. | 1.7 | 65 |
| 40 | Carbohydrate Microarrays. ChemBioChem, 2002, 3, 819-822. | 1.3 | 64 |
| 41 | Comparative studies on lectinâ€“carbohydrate interactions in low and high density homo- and heteroglycoclusters. Organic and Biomolecular Chemistry, 2010, 8, 1849. | 1.5 | 62 |
| 42 | 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 |
| 43 | pHâ€Responsive Pharmacological Chaperones for Rescuing Mutant Glycosidases. Angewandte Chemie - International Edition, 2015, 54, 11696-11700. | 7.2 | 62 |
| 44 | 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 |
| 45 | 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 |
| 46 | Tailoring Î²-Cyclodextrin for DNA Complexation and Delivery by Homogeneous Functionalization at the Secondary Face. Organic Letters, 2008, 10, 5143-5146. | 2.4 | 56 |
| 47 | The Multivalent Effect in Glycosidase Inhibition: Probing the Influence of Valency, Peripheral Ligand Structure, and Topology with Cyclodextrinâ€Based Iminosugar Click Clusters. ChemBioChem, 2013, 14, 2038-2049. | 1.3 | 56 |
| 48 | Structural Basis of Pharmacological Chaperoning for Human Î²-Galactosidase. Journal of Biological Chemistry, 2014, 289, 14560-14568. | 1.6 | 56 |
| 49 | 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 |
| 50 | Tuning glycosidase inhibition through aglycone interactions: pharmacological chaperones for Fabry disease and GM1 gangliosidosis. Chemical Communications, 2012, 48, 6514. | 2.2 | 54 |
| 51 | Cyclodextrin-Scaffolded Glycoclusters. Chemistry - A European Journal, 1998, 4, 2523-2531. | 1.7 | 53 |
| 52 | 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 |
| 53 | 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 |
| 54 | Synthesis and Evaluation of Calystegine B2Analogues as Glycosidase Inhibitors. Journal of Organic Chemistry, 2001, 66, 7604-7614. | 1.7 | 52 |

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| 55 | Polycationic amphiphilic cyclodextrin-based nanoparticles for therapeutic gene delivery. Nanomedicine, 2011, 6, 1697-1707. | 1.7 | 52 |
| 56 | 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 |
| 57 | N-Thiocarbonyl azasugars: a new family of carbohydrate mimics with controlled anomeric configuration. Chemical Communications, 1997, , 1969. | 2.2 | 51 |
| 58 | sp<sup>2</sup>â€Iminosugar <i>O</i>â€, <i>S</i>â€, and <i>N</i>â€Glycosides as Conformational Mimics of Î±â€Linked Disaccharides; Implications for Glycosidase Inhibition. Chemistry - A European Journal, 2012, 18, 8527-8539. | 1.7 | 51 |
| 59 | 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 |
| 60 | 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 |
| 61 | Pseudoamide-Type Pyrrolidine and Pyrrolizidine Glycomimetics and Their Inhibitory Activities against Glycosidases. Journal of Organic Chemistry, 2004, 69, 3578-3581. | 1.7 | 48 |
| 62 | Amphiphilic 1-Deoxynojirimycin Derivatives through Click Strategies for Chemical Chaperoning in N370S Gaucher Cells. Journal of Organic Chemistry, 2011, 76, 7757-7768. | 1.7 | 48 |
| 63 | A Fluorescent sp<sup>2</sup>â€Iminosugar With Pharmacological Chaperone Activity for Gaucher Disease: Synthesis and Intracellular Distribution Studies. ChemBioChem, 2010, 11, 2453-2464. | 1.3 | 47 |
| 64 | Glycoligand-targeted coreâ€“shell nanospheres with tunable drug release profiles from calixareneâ€“cyclodextrin heterodimers. Chemical Communications, 2014, 50, 7440-7443. | 2.2 | 47 |
| 65 | 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 |
| 66 | Molecular nanoparticle-based gene delivery systems. Journal of Drug Delivery Science and Technology, 2017, 42, 18-37. | 1.4 | 47 |
| 67 | Glycosidase inhibition by ring-modified castanospermine analogues: tackling enzyme selectivity by inhibitor tailoring. Organic and Biomolecular Chemistry, 2009, 7, 2738. | 1.5 | 46 |
| 68 | 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 |
| 69 | 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 |
| 70 | 6â€Aminoâ€6â€deoxyâ€5,6â€diâ€<i>N</i>â€(<i>N</i>â€²â€octyliminomethylidene)nojirimycin: Synthesis, Biological Evaluation, and Crystal Structure in Complex with Acid Î²â€Glucosidase. ChemBioChem, 2009, 10, 1480-1485. | 1.3 | 44 |
| 71 | 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 |
| 72 | 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 |

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| 73 | 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 |
| 74 | Scalable Syntheses of Both Enantiomers of DNJNAc and DGJNAc from Glucuronolactone: The Effect of <i>N</i>â€Alkylation on Hexosaminidase Inhibition. Chemistry - A European Journal, 2012, 18, 9341-9359. | 1.7 | 42 |
| 75 | 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 |
| 76 | 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 |
| 77 | The Thiocarbonyl Group in Carbohydrate Chemistry. Sulfur Reports, 1996, 19, 61-159. | 0.7 | 39 |
| 78 | Glyconanocavities: Cyclodextrins and Beyond. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 56, 149-159. | 1.6 | 39 |
| 79 | Synthesis and evaluation of sulfamide-type indolizidines as glycosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2805-2808. | 1.0 | 39 |
| 80 | New Castanospermine Glycoside Analogues Inhibit Breast Cancer Cell Proliferation and Induce Apoptosis without Affecting Normal Cells. PLoS ONE, 2013, 8, e76411. | 1.1 | 39 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | 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 |
| 85 | Development of polycationic amphiphilic cyclodextrin nanoparticles for anticancer drug delivery. Beilstein Journal of Nanotechnology, 2017, 8, 1457-1468. | 1.5 | 38 |
| 86 | 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 |
| 87 | 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 |
| 88 | Synthesis and Comparative Glycosidase Inhibitory Properties of Reducing Castanospermine Analogues. European Journal of Organic Chemistry, 2005, 2005, 2903-2913. | 1.2 | 36 |
| 89 | Difructose Dianhydrides (DFAs) and DFA-Enriched Products as Functional Foods. Topics in Current Chemistry, 2010, 294, 49-77. | 4.0 | 36 |
| 90 | Conformationally-Locked <i>N</i>-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 |

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| 91 | 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 |
| 92 | (Pseudo)amide-linked oligosaccharide mimetics: molecular recognition and supramolecular properties. Beilstein Journal of Organic Chemistry, 2010, 6, 20. | 1.3 | 35 |
| 93 | 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 |
| 94 | Generalized Anomeric Effect in gem-Diamines: Stereoselective Synthesis of Î±-N-Linked Disaccharide Mimics. Organic Letters, 2009, 11, 3306-3309. | 2.4 | 34 |
| 95 | 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 |
| 96 | Aza-Wittig reaction of sugar isothiocyanates and sugar iminophosphoranes: An easy entry to unsymmetrical sugar carbodiimides. Tetrahedron Letters, 1997, 38, 4161-4164. | 0.7 | 33 |
| 97 | Synthesis of glycosyl(thio)ureido sugars via carbodiimides and their conformational behaviour in water. Carbohydrate Research, 2000, 326, 161-175. | 1.1 | 33 |
| 98 | Molecular Basis for Î²â€Glucosidase Inhibition by Ringâ€Modified Calystegine Analogues. ChemBioChem, 2008, 9, 2612-2618. | 1.3 | 33 |
| 99 | Chemical and Enzymatic Approaches to Carbohydrate-Derived Spiroketals: Di-D-Fructose Dianhydrides (DFAs). Molecules, 2008, 13, 1640-1670. | 1.7 | 33 |
| 100 | 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 |
| 101 | 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 |
| 102 | Giant Glycosidase Inhibitors: Firstâ€•and Secondâ€Generation Fullerodendrimers with a Dense Iminosugar Shell. Chemistry - A European Journal, 2018, 24, 2483-2492. | 1.7 | 33 |
| 103 | Building Blocks for Glycopeptide Synthesis. Disaccharide Glycosyl Isothiocyanates. Journal of Carbohydrate Chemistry, 1993, 12, 487-505. | 0.4 | 32 |
| 104 | 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 |
| 105 | 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 |
| 106 | Synthesis and anomeric stability of (1â†'6)-thiourea-linked pseudooligosaccharides. Carbohydrate Research, 1999, 320, 37-48. | 1.1 | 32 |
| 107 | Synthesis, Structure, and Inclusion Capabilities of Trehalose-Based Cyclodextrin Analogues (Cyclotrehalans). Journal of Organic Chemistry, 2008, 73, 2967-2979. | 1.7 | 32 |
| 108 | Amphiphilic Oligoethyleneimineâ^'Î²-Cyclodextrin â€œClickâ€•Clusters for Enhanced DNA Delivery. Journal of Organic Chemistry, 2013, 78, 8143-8148. | 1.7 | 32 |

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| 109 | Tn Antigen Mimics Based on <i>sp</i><sup>2</sup>-Iminosugars with Affinity for an anti-MUC1 Antibody. Organic Letters, 2016, 18, 3890-3893. | 2.4 | 32 |
| 110 | Cyclodextrin-mediated crystallization of acid Î²-glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. Organic and Biomolecular Chemistry, 2011, 9, 4160. | 1.5 | 31 |
| 111 | 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 |
| 112 | One-step synthesis of non-anomeric sugar isothiocyanates from sugar azides. Carbohydrate Research, 2002, 337, 2329-2334. | 1.1 | 30 |
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| 114 | 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 |
| 115 | Cholesterol-Targeted Anticancer and Apoptotic Effects of Anionic and Polycationic Amphiphilic Cyclodextrin Nanoparticles. Journal of Pharmaceutical Sciences, 2016, 105, 3172-3182. | 1.6 | 30 |
| 116 | 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 |
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| 120 | Synthesis and Biological Evaluation of Guanidine-Type Iminosugars. Journal of Organic Chemistry, 2008, 73, 1995-1998. | 1.7 | 28 |
| 121 | Synthesis of Thiohydantoin-Castanospermine Glycomimetics as Glycosidase Inhibitors. Journal of Organic Chemistry, 2009, 74, 3595-3598. | 1.7 | 28 |
| 122 | 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 |
| 123 | Antileishmanial activity of sp<sup>2</sup>-iminosugar derivatives. RSC Advances, 2015, 5, 21812-21822. | 1.7 | 27 |
| 124 | Unprecedented inhibition of glycosidase-catalyzed substrate hydrolysis by nanodiamond-grafted O-glycosides. RSC Advances, 2015, 5, 100568-100578. | 1.7 | 27 |
| 125 | Construction of giant glycosidase inhibitors from iminosugar-substituted fullerene macromonomers. Journal of Materials Chemistry B, 2017, 5, 6546-6556. | 2.9 | 26 |
| 126 | Synthesis of Calystegine B2 Analogs by Tandem Tautomerization-Intramolecular Glycosylation of Thioureidosugars. Synlett, 1998, 1998, 316-318. | 1.0 | 25 |

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| 128 | Synthesis, conformational analysis and <i>in vivo</i> assays of an anti-cancer vaccine that features an unnatural antigen based on an sp<sup>2</sup>-iminosugar fragment. Chemical Science, 2020, 11, 3996-4006. | 3.7 | 24 |
| 129 | Chiral 2-thioxotetrahydro-1,3-O,N-heterocycles from carbohydrates. Tetrahedron Letters, 1992, 33, 3931-3934. | 0.7 | 23 |
| 130 | Thioureido-Î²-cyclodextrins as molecular carriers. Chemical Communications, 1996, , 2741-2742. | 2.2 | 23 |
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