Carmen Ortiz Mellet

List of Publications by Year
in descending order

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244 papers	9,087 citations	34105 52 h-index	69250 77 g-index
281 all docs	281 docs citations	281 times ranked	6218 citing authors

#	Article	IF	Citations
1	Bicyclic Picomolar OGA Inhibitors Enable Chemoproteomic Mapping of Its Endogenous Post-translational Modifications. Journal of the American Chemical Society, 2022, 144, 832-844.	13.7	15
2	Enhanced Gene Delivery Triggered by Dual pH/Redox Responsive Hostâ€Guest Dimerization of Cyclooligosaccharide Star Polycations. Macromolecular Rapid Communications, 2022, 43, e2200145.	3.9	4
3	sp²-Iminosugars targeting human lysosomal Î²-hexosaminidase as pharmacological chaperone candidates for late-onset Tay-Sachs disease. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1364-1374.	5.2	5
4	A versatile stereocontrolled synthesis of 2-deoxyiminosugar C-glycosides and their evaluation as glycosidase inhibitors. Organic and Biomolecular Chemistry, 2021, 19, 1083-1099.	2.8	4
5	Synthesis, self-assembly and anticancer drug encapsulation and delivery properties of cyclodextrin-based giant amphiphiles. Carbohydrate Polymers, 2021, 252, 117135.	10.2	23
6	Anti-Inflammatory (M2) Response Is Induced by a sp2-Iminosugar Glycolipid Sulfoxide in Diabetic Retinopathy. Frontiers in Immunology, 2021, 12, 632132.	4.8	13
7	Trifaceted Mickey Mouse Amphiphiles for Programmable Selfâ€Assembly, DNA Complexation and Organâ€Selective Gene Delivery. Chemistry - A European Journal, 2021, 27, 9429-9438.	3.3	4
8	Rational design of cell active C2-modified DGJ analogues for the inhibition of human Î±-galactosidase A (GALA). Organic and Biomolecular Chemistry, 2021, 19, 8057-8062.	2.8	1
9	Synthesis of sp2-Iminosugar Selenoglycolipids as Multitarget Drug Candidates with Antiproliferative, Leishmanicidal and Anti-Inflammatory Properties. Molecules, 2021, 26, 7501.	3.8	4
10	Click Synthesis of Size- and Shape-Tunable Star Polymers with Functional Macrocyclic Cores for Synergistic DNA Complexation and Delivery. Biomacromolecules, 2020, 21, 5173-5188.	5.4	9
11	Amplified Detection of Breast Cancer Autoantibodies Using MUC1-Based Tn Antigen Mimics. Journal of Medicinal Chemistry, 2020, 63, 8524-8533.	6.4	14
12	Tuning the Topological Landscape of DNAâ€“Cyclodextrin Nanocomplexes by Molecular Design. Chemistry - A European Journal, 2020, 26, 15259-15269.	3.3	16
13	Cyclodextrin-Based Functional Glyconanomaterials. Nanomaterials, 2020, 10, 2517.	4.1	19
14	Cyclodextrin-Based Nanostructure Efficiently Delivers siRNA to Glioblastoma Cells Preferentially via Macropinocytosis. International Journal of Molecular Sciences, 2020, 21, 9306.	4.1	9
15	sp2-Iminosugars as chemical mimics for glycodrug design. , 2020, , 197-224.		1
16	Stereoselective Synthesis of Iminosugar 2-Deoxy(thio)glycosides from Bicyclic Iminoglycal Carbamates Promoted by Cerium(IV) Ammonium Nitrate and Cooperative BrÃ¸nsted Acid-Type Organocatalysis. Journal of Organic Chemistry, 2020, 85, 5038-5047.	3.2	9
17	Synthesis, conformational analysis and in vivo assays of an anti-cancer vaccine that features an unnatural antigen based on an sp²-iminosugar fragment. Chemical Science, 2020, 11, 3996-4006.	7.4	24
18	Carbohydrate supramolecular chemistry: beyond the multivalent effect. Chemical Communications, 2020, 56, 5207-5222.	4.1	70

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19	Thiol-ene "Click" Synthesis and Pharmacological Evaluation of C-Glycoside sp2-Iminosugar Glycolipids. Molecules, 2019, 24, 2882.	3.8	9
20	Synthesis of polyfluoroalkyl sp2-iminosugar glycolipids and evaluation of their immunomodulatory properties towards anti-tumor, anti-leishmanial and anti-inflammatory therapies. European Journal of Medicinal Chemistry, 2019, 182, 111604.	5.5	18
21	Novel Therapies for Orphan Diseases. ACS Medicinal Chemistry Letters, 2019, 10, 1020-1023.	2.8	9
22	Trehalose-based Siamese twin amphiphiles with tunable self-assembling, DNA nanocomplexing and gene delivery properties. Chemical Communications, 2019, 55, 8227-8230.	4.1	10
23	Multiplyâ€“linked cyclodextrinâ€“aromatic hybrids: Caps, hinges and clips. Journal of Carbohydrate Chemistry, 2019, 38, 470-493.	1.1	12
24	Pharmacological Chaperones for the Treatment of Î±-Mannosidosis. Journal of Medicinal Chemistry, 2019, 62, 5832-5843.	6.4	25
25	Screening sp-iminosugarâ€¯N-glycosides as pharmacological chaperone candidates forâ€¯Î±â€¯mannosidosis: The effect of aglycone nature and valency. Molecular Genetics and Metabolism, 2019, 126, S58.	1.1	0
26	sp2-Iminosugar glycolipids as inhibitors of lipopolysaccharide-mediated human dendritic cell activation inÂvitro and of acute inflammation in mice inÂvivo. European Journal of Medicinal Chemistry, 2019, 169, 111-120.	5.5	15
27	Dynamic Control of the Self-Assembling Properties of Cyclodextrins by the Interplay of Aromatic and Host-Guest Interactions. Frontiers in Chemistry, 2019, 7, 72.	3.6	12
28	Tailoring the inhibitory versus chaperoning behavior of amphiphilic sp-iminosugar glycomimetics targetingâ€¯Î²-glucocerebrosidase: From micromolar to picomolar chaperones for Gaucher disease. Molecular Genetics and Metabolism, 2019, 126, S58.	1.1	0
29	Multivalent glycoligands with lectin/enzyme dual specificity: self-deliverable glycosidase regulators. Chemical Communications, 2019, 55, 12845-12848.	4.1	9
30	Xylylene Clips for the Topology-Guided Control of the Inclusion and Self-Assembling Properties of Cyclodextrins. Journal of Organic Chemistry, 2018, 83, 5588-5597.	3.2	9
31	Plasmidâ€Templated Control of DNAâ€“Cyclodextrin Nanoparticle Morphology through Molecular Vector Design for Effective Gene Delivery. Chemistry - A European Journal, 2018, 24, 3825-3835.	3.3	22
32	Giant Glycosidase Inhibitors: Firstâ€•and Secondâ€Generation Fullerodendrimers with a Dense Iminosugar Shell. Chemistry - A European Journal, 2018, 24, 2483-2492.	3.3	33
33	Revealing cooperative binding of polycationic cyclodextrins with DNA oligomers by capillary electrophoresis coupled to mass spectrometry. Analytica Chimica Acta, 2018, 1002, 70-81.	5.4	18
34	The sp 2 -iminosugar glycolipid 1-dodecylsulfonyl-5 N ,6 O -oxomethylidenenojirimycin (DSO 2 -ONJ) as selective anti-inflammatory agent by modulation of hemeoxygenase-1 in Bv.2 microglial cells and retinal explants. Food and Chemical Toxicology, 2018, 111, 454-466.	3.6	19
35	Catalystâ€Free Synthesis of Alkylpolyglycosides Induced by Highâ€Frequency Ultrasound. ChemSusChem, 2018, 11, 2673-2676.	6.8	12
36	Probing the Inhibitor versus Chaperone Properties of sp2-Iminosugars towards Human Î²-Glucocerebrosidase: A Picomolar Chaperone for Gaucher Disease. Molecules, 2018, 23, 927.	3.8	30

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37	The Impact of Heteromultivalency in Lectin Recognition and Glycosidase Inhibition: An Integrated Mechanistic Study. Chemistry - A European Journal, 2017, 23, 6295-6304.	3.3	46
38	Fluorinated Chaperoneâ˜Î²-Cyclodextrin Formulations for Î²-Glucocerebrosidase Activity Enhancement in Neuronopathic Gaucher Disease. Journal of Medicinal Chemistry, 2017, 60, 1829-1842.	6.4	34
39	Construction of giant glycosidase inhibitors from iminosugar-substituted fullerene macromonomers. Journal of Materials Chemistry B, 2017, 5, 6546-6556.	5.8	26
40	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.	5.8	53
41	Carbon Dioxide as a Traceless Caramelization Promotor: Preparation of Prebiotic Difructose Dianhydrides (DFAs)-Enriched Caramels from <scp>d</scp>-Fructose. Journal of Agricultural and Food Chemistry, 2017, 65, 6093-6099.	5.2	12
42	A novel potential nanophototherapeutic based on the assembly of an amphiphilic cationic Î²-cyclodextrin and an anionic porphyrin. Journal of Porphyrins and Phthalocyanines, 2017, 21, 398-405.	0.8	11
43	Biophysics and protein corona analysis of Janus cyclodextrin-DNA nanocomplexes. Efficient cellular transfection on cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1737-1749.	2.4	16
44	Molecular nanoparticle-based gene delivery systems. Journal of Drug Delivery Science and Technology, 2017, 42, 18-37.	3.0	47
45	Frontispiece: The Impact of Heteromultivalency in Lectin Recognition and Glycosidase Inhibition: An Integrated Mechanistic Study. Chemistry - A European Journal, 2017, 23, .	3.3	0
46	Molecular determinants for cyclo-oligosaccharide-based nanoparticle-mediated effective siRNA transfection. Nanomedicine, 2017, 12, 1607-1621.	3.3	13
47	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.	3.5	37
48	Development of polycationic amphiphilic cyclodextrin nanoparticles for anticancer drug delivery. Beilstein Journal of Nanotechnology, 2017, 8, 1457-1468.	2.8	38
49	Trehalose-based Janus cyclooligosaccharides: the â€œClickâ€•synthesis and DNA-directed assembly into pH-sensitive transfectious nanoparticles. Chemical Communications, 2016, 52, 10117-10120.	4.1	20
50	Deciphering of polycationic carbohydrate based non-viral gene delivery agents by ESI-LTQ-Orbitrap using CID/HCD pairwise tandem mass spectrometry. RSC Advances, 2016, 6, 78803-78817.	3.6	6
51	Impact of Nonthermal Atmospheric Plasma on the Structure of Cellulose: Access to Soluble Branched Glucans. Chemistry - A European Journal, 2016, 22, 16522-16530.	3.3	15
52	Cyclodextrin-based facial amphiphiles: assessing the impact of the hydrophilicâ€“lipophilic balance in the self-assembly, DNA complexation and gene delivery capabilities. Organic and Biomolecular Chemistry, 2016, 14, 10037-10049.	2.8	19
53	Cholesterol-Targeted Anticancer and Apoptotic Effects of Anionic and Polycationic Amphiphilic Cyclodextrin Nanoparticles. Journal of Pharmaceutical Sciences, 2016, 105, 3172-3182.	3.3	30
54	Tn Antigen Mimics Based on sp²-Iminosugars with Affinity for an anti-MUC1 Antibody. Organic Letters, 2016, 18, 3890-3893.	4.6	32

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55	Potent Glycosidase Inhibition with Heterovalent Fullerenes: Unveiling the Binding Modes Triggering Multivalent Inhibition. Chemistry - A European Journal, 2016, 22, 11450-11460.	3.3	65
56	Toward a suitable structural analysis of gene delivery carrier based on polycationic carbohydrates by electron transfer dissociation tandem mass spectrometry. Analytica Chimica Acta, 2016, 948, 62-72.	5.4	6
57	Understanding multivalent effects in glycosidase inhibition using C-glycoside click clusters as molecular probes. New Journal of Chemistry, 2016, 40, 7421-7430.	2.8	20
58	Modulation of microglia polarization dynamics during diabetic retinopathy in db / db mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1663-1674.	3.8	80
59	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.	2.3	38
60	Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, G_{M1}-gangliosidosis and Fabry diseases. Chemical Communications, 2016, 52, 5497-5515.	4.1	122
61	Conformationally-locked C-glycosides: tuning aglycone interactions for optimal chaperone behaviour in Gaucher fibroblasts. Organic and Biomolecular Chemistry, 2016, 14, 1473-1484.	2.8	13
62	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.	5.5	33
63	Efficient stereoselective synthesis of 2-acetamido-1,2-dideoxyallonojirimycin (DAJNAc) and sp2-iminosugar conjugates: Novel hexosaminidase inhibitors with discrimination capabilities between the mature and precursor forms of the enzyme. European Journal of Medicinal Chemistry, 2016, 121, 926-938.	5.5	23
64	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.	3.3	107
65	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.	3.3	39
66	pHâ€Responsive Pharmacological Chaperones for Rescuing Mutant Glycosidases. Angewandte Chemie - International Edition, 2015, 54, 11696-11700.	13.8	62
67	Effects of feed additives on ileal mucosaâ€“associated microbiota composition of broiler chickens1. Journal of Animal Science, 2015, 93, 3410-3420.	0.5	21
68	Fluorinated hydroxypiperidines as selective Î²-glucosidase inhibitors. Organic and Biomolecular Chemistry, 2015, 13, 5983-5996.	2.8	7
69	Antileishmanial activity of sp²-iminosugar derivatives. RSC Advances, 2015, 5, 21812-21822.	3.6	27
70	Cell uptake mechanisms of glycosylated cationic pDNAâ€“cyclodextrin nanoparticles. RSC Advances, 2015, 5, 29135-29144.	3.6	12
71	Unprecedented inhibition of glycosidase-catalyzed substrate hydrolysis by nanodiamond-grafted O-glycosides. RSC Advances, 2015, 5, 100568-100578.	3.6	27
72	Stereoselective synthesis of 2-acetamido-1,2-dideoxynojirimycin (DNJNAc) and ureido-DNJNAc derivatives as new hexosaminidase inhibitors. Organic and Biomolecular Chemistry, 2015, 13, 6500-6510.	2.8	19

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73	Harmonized tuning of nucleic acid and lectin binding properties with multivalent cyclodextrins for macrophage-selective gene delivery. RSC Advances, 2015, 5, 76464-76471.	3.6	6
74	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.	5.6	52
75	Cyclodextrin- and calixarene-based polycationic amphiphiles as gene delivery systems: a structureâ€“activity relationship study. Organic and Biomolecular Chemistry, 2015, 13, 1708-1723.	2.8	49
76	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.	3.3	37
77	Conformationally-locked N-glycosides: Exploiting long-range non-glycone interactions in the design of pharmacological chaperones for Gaucher disease. European Journal of Medicinal Chemistry, 2015, 90, 258-266.	5.5	15
78	Correlations between changes in intestinal microbiota composition and performance parameters in broiler chickens. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 418-423.	2.2	47
79	Neuronopathic Gaucher's disease: induced pluripotent stem cells for disease modelling and testing chaperone activity of small compounds. Human Molecular Genetics, 2014, 23, 281-281.	2.9	0
80	Structural Basis of Pharmacological Chaperoning for Human Î²-Galactosidase. Journal of Biological Chemistry, 2014, 289, 14560-14568.	3.4	56
81	Targeted delivery of pharmacological chaperones for Gaucher disease to macrophages by a mannosylated cyclodextrin carrier. Organic and Biomolecular Chemistry, 2014, 12, 2289-2301.	2.8	44
82	Synthesis of substituted exo-glucals via a modified Julia olefination and identification as selective Î²-glucosidase inhibitors. Organic and Biomolecular Chemistry, 2014, 12, 690-699.	2.8	14
83	Synthesis of Multibranched Australine Derivatives from Reducing Castanospermine Analogues through the Amadori Rearrangement of gem-Diamine Intermediates: Selective Inhibitors of Î²-Glucosidase. Journal of Organic Chemistry, 2014, 79, 11722-11728.	3.2	20
84	Iminosugar-based glycopolypeptides: glycosidase inhibition with bioinspired glycoprotein analogue micellar self-assemblies. Chemical Communications, 2014, 50, 3350-3352.	4.1	75
85	Cyclodextrin-scaffolded amphiphilic aminoglucoside clusters: self-assembling and gene delivery capabilities. New Journal of Chemistry, 2014, 38, 5215-5225.	2.8	12
86	Glycoligand-targeted coreâ€“shell nanospheres with tunable drug release profiles from calixareneâ€“cyclodextrin heterodimers. Chemical Communications, 2014, 50, 7440-7443.	4.1	47
87	Trehalose- and Glucose-Derived Glycoamphiphiles: Small-Molecule and Nanoparticle Toll-Like Receptor 4 (TLR4) Modulators. Journal of Medicinal Chemistry, 2014, 57, 9105-9123.	6.4	23
88	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.	3.3	35
89	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.	3.4	50
90	Correction to â€œTopological Effects and Binding Modes Operating with Multivalent Iminosugar-Based Glycoclusters and Mannosidasesâ€• Journal of the American Chemical Society, 2014, 136, 6773-6773.	13.7	2

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91	A Di-D-Fructose Dianhydride-Enriched Caramel Modulates Pig Fecal Microbiota Composition. Advances in Microbiology, 2014, 04, 242-251.	0.6	5
92	Stereoselective Synthesis of 2-Acetamido-1,2-dideoxyallonojirimycin (DAJNAc), a New Potent Hexosaminidase Inhibitor. Organic Letters, 2013, 15, 3638-3641.	4.6	16
93	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.	4.3	62
94	Amphiphilic Oligoethyleneimineâ^'Î²-Cyclodextrin â€œClickâ€•Clusters for Enhanced DNA Delivery. Journal of Organic Chemistry, 2013, 78, 8143-8148.	3.2	32
95	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.	2.6	56
96	Topological Effects and Binding Modes Operating with Multivalent Iminosugar-Based Glycoclusters and Mannosidases. Journal of the American Chemical Society, 2013, 135, 18427-18435.	13.7	80
97	Probing the Nature of the Cluster Effect Observed with Synthetic Multivalent Galactosides and Peanut Agglutinin Lectin. Chemistry - A European Journal, 2013, 19, 729-738.	3.3	22
98	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.	3.2	31
99	Cyclodextrin-based multivalent glycodisplays: covalent and supramolecular conjugates to assess carbohydrateâ€“protein interactions. Chemical Society Reviews, 2013, 42, 4746.	38.1	227
100	Competitive processes of a chromophore modified Î±-cyclodextrin in the presence of a fluorescence polarity sensitive probe. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 256, 42-51.	3.9	6
101	Influence of the Macroring Size on the Self-Association Thermodynamics of Cyclodextrins with a Double-Linked Naphthalene at the Secondary Face. Journal of Physical Chemistry B, 2013, 117, 5472-5485.	2.6	9
102	Nâ€Thiocarbonyl Iminosugars: Synthesis and Evaluation of Castanospermine Analogues Bearing Oxazoleâ€2(3H)â€thione Moieties. European Journal of Organic Chemistry, 2013, 2013, 7941-7951.	2.4	11
103	Multivalency in heterogeneous glycoenvironments: hetero-glycoclusters, -glycopolymers and -glycoassemblies. Chemical Society Reviews, 2013, 42, 4518-4531.	38.1	143
104	A Bicyclic 1-Deoxygalactonojirimycin Derivative as a Novel Pharmacological Chaperone for GM1 Gangliosidosis. Molecular Therapy, 2013, 21, 526-532.	8.2	70
105	Cyclodextrin-scaffolded glycotransporters for gene delivery. Pure and Applied Chemistry, 2013, 85, 1825-1845.	1.9	16
106	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.	2.9	75
107	Fullereneâ€sp²â€Iminosugar Balls as Multimodal Ligands for Lectins and Glycosidases: A Mechanistic Hypothesis for the Inhibitory Multivalent Effect. Chemistry - A European Journal, 2013, 19, 16791-16803.	3.3	90
108	Effects of inulin and di-d-fructose dianhydride-enriched caramels on intestinal microbiota composition and performance of broiler chickens. Animal, 2013, 7, 1779-1788.	3.3	22

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109	Bicyclic Derivatives of <scp>L</scp>â€donojirimycin as Pharmacological Chaperones for Neuronopathic Forms of Gaucher Disease. ChemBioChem, 2013, 14, 943-949.	2.6	30
110	New Castanospermine Glycoside Analogues Inhibit Breast Cancer Cell Proliferation and Induce Apoptosis without Affecting Normal Cells. PLoS ONE, 2013, 8, e76411.	2.5	39
111	Cyclodextrins for Pharmaceutical and Biomedical Applications. Monographs in Supramolecular Chemistry, 2013, , 94-139.	0.2	6
112	Glycotransporters for gene delivery. Carbohydrate Chemistry, 2012, , 338-375.	0.3	8
113	Monodisperse Nanoparticles from Self-Assembling Amphiphilic Cyclodextrins: Modulable Tools for the Encapsulation and Controlled Release of Pharmaceuticals. Medicinal Chemistry, 2012, 8, 524-532.	1.5	17
114	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.	2.8	33
115	Tuning glycosidase inhibition through aglycone interactions: pharmacological chaperones for Fabry disease and GM1 gangliosidosis. Chemical Communications, 2012, 48, 6514.	4.1	54
116	Conformationally-Locked N-Glycosides with Selective Î²-Glucosidase Inhibitory Activity: Identification of a New Non-Iminosugar-Type Pharmacological Chaperone for Gaucher Disease. Journal of Medicinal Chemistry, 2012, 55, 6857-6865.	6.4	36
117	Probing Carbohydrate-Lectin Recognition in Heterogeneous Environments with Monodisperse Cyclodextrin-Based Glycoclusters. Journal of Organic Chemistry, 2012, 77, 1273-1288.	3.2	72
118	Scalable Syntheses of Both Enantiomers of DNJNAc and DGJNAc from Glucuronolactone: The Effect of Nâ€Alkylation on Hexosaminidase Inhibition. Chemistry - A European Journal, 2012, 18, 9341-9359.	3.3	42
119	sp²â€Iminosugar Oâ€, Sâ€, and Nâ€Glycosides as Conformational Mimics of Î±â€Linked Disaccharides; Implications for Glycosidase Inhibition. Chemistry - A European Journal, 2012, 18, 8527-8539.	3.3	51
120	Synthesis and glycosidase inhibitory activity of isourea-type bicyclic sp2-iminosugars related to galactonojirimycin and allonojirimycin. Tetrahedron, 2012, 68, 681-689.	1.9	11
121	Improving inclusion capabilities of permethylated cyclodextrins by appending a cap-like aromatic moiety. Tetrahedron, 2012, 68, 2961-2972.	1.9	8
122	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.	3.2	78
123	Amphiphilic 1-Deoxynojirimycin Derivatives through Click Strategies for Chemical Chaperoning in N370S Gaucher Cells. Journal of Organic Chemistry, 2011, 76, 7757-7768.	3.2	48
124	Cyclodextrin-based gene delivery systems. Chemical Society Reviews, 2011, 40, 1586-1608.	38.1	371
125	Cyclodextrin-mediated crystallization of acid Î²-glucosidase in complex with amphiphilic bicyclic nojirimycin analogues. Organic and Biomolecular Chemistry, 2011, 9, 4160.	2.8	31
126	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.	2.8	53

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127	Mannosyl-coated nanocomplexes from amphiphilic cyclodextrins and pDNA for site-specific gene delivery. Biomaterials, 2011, 32, 7263-7273.	11.4	96
128	Pharmacological chaperone therapy for Gaucher disease: a patent review. Expert Opinion on Therapeutic Patents, 2011, 21, 885-903.	5.0	106
129	Stereoselective Synthesis of Difructose Dianhydrides by Use of the Xylylene Group as Stereodirecting Element in Spiroketalisation Reactions. European Journal of Organic Chemistry, 2011, 2011, 517-528.	2.4	4
130	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.	3.2	27
131	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.	3.3	93
132	Polycationic amphiphilic cyclodextrin-based nanoparticles for therapeutic gene delivery. Nanomedicine, 2011, 6, 1697-1707.	3.3	52
133	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.	5.2	46
134	Fluorescent-tagged sp2-iminosugars with potent Î²-glucosidase inhibitory activity. Bioorganic and Medicinal Chemistry, 2010, 18, 7439-7445.	3.0	22
135	Insights in cellular uptake mechanisms of pDNAâ€“polycationic amphiphilic cyclodextrin nanoparticles (CDplexes). Journal of Controlled Release, 2010, 143, 318-325.	9.9	85
136	A Fluorescent sp²â€Iminosugar With Pharmacological Chaperone Activity for Gaucher Disease: Synthesis and Intracellular Distribution Studies. ChemBioChem, 2010, 11, 2453-2464.	2.6	47
137	Preorganized, Macromolecular, Geneâ€Delivery Systems. Chemistry - A European Journal, 2010, 16, 6728-6742.	3.3	108
138	Glycosidase Inhibition with Fullerene Iminosugar Balls: A Dramatic Multivalent Effect. Angewandte Chemie - International Edition, 2010, 49, 5753-5756.	13.8	174
139	(Pseudo)amide-linked oligosaccharide mimetics: molecular recognition and supramolecular properties. Beilstein Journal of Organic Chemistry, 2010, 6, 20.	2.2	35
140	Difructose Dianhydrides (DFAs) and DFA-Enriched Products as Functional Foods. Topics in Current Chemistry, 2010, 294, 49-77.	4.0	36
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