JosÃ© L De Paz

List of Publications by Year
in descending order

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56 papers	2,339 citations	201674 27 h-index	206112 48 g-index
57 all docs	57 docs citations	57 times ranked	2202 citing authors

#	Article	IF	Citations
1	Microarrays of Synthetic Heparin Oligosaccharides. Journal of the American Chemical Society, 2006, 128, 2766-2767.	13.7	223
2	Preparation and Use of Microarrays Containing Synthetic Heparin Oligosaccharides for the Rapid Analysis of Heparinâ€“Protein Interactions. Chemistry - A European Journal, 2006, 12, 8664-8686.	3.3	182
3	Profiling Heparinâ€“Chemokine Interactions Using Synthetic Tools. ACS Chemical Biology, 2007, 2, 735-744.	3.4	149
4	The affinity of the FimH fimbrial adhesin is receptor-driven and quasi-independent of Escherichia coli pathotypes. Molecular Microbiology, 2006, 61, 1556-1568.	2.5	139
5	Natural Cytotoxicity Receptors NKp30, NKp44 and NKp46 Bind to Different Heparan Sulfate/Heparin Sequences. Journal of Proteome Research, 2009, 8, 712-720.	3.7	132
6	Preparation of multifunctional glyconanoparticles as a platform for potential carbohydrate-based anticancer vaccines. Carbohydrate Research, 2007, 342, 448-459.	2.3	131
7	The Activation of Fibroblast Growth Factors by Heparin: Synthesis, Structure, and Biological Activity of Heparin-Like Oligosaccharides. ChemBioChem, 2001, 2, 673-685.	2.6	89
8	Potentiation of Fibroblast Growth Factor Activity by Synthetic Heparin Oligosaccharide Glycodendrimers. Chemistry and Biology, 2007, 14, 879-887.	6.0	84
9	Recent Advances in Carbohydrate Microarrays. QSAR and Combinatorial Science, 2006, 25, 1027-1032.	1.4	62
10	Langerinâ€“Heparin Interaction: Two Binding Sites for Small and Large Ligands As Revealed by a Combination of NMR Spectroscopy and Cross-Linking Mapping Experiments. Journal of the American Chemical Society, 2015, 137, 4100-4110.	13.7	61
11	The Activation of Fibroblast Growth Factors (FGFs) by Glycosaminoglycans: Influence of the Sulfation Pattern on the Biological Activity of FGF-1. ChemBioChem, 2004, 5, 55-61.	2.6	59
12	Microarrays of heparin oligosaccharides obtained by nitrous acid depolymerization of isolated heparin. Chemical Communications, 2006, , 3116.	4.1	52
13	Synthesis of heparin-like oligosaccharides on polymer supports. Glycoconjugate Journal, 2004, 21, 179-195.	2.7	49
14	Adaptation of targeted nanocarriers to changing requirements in antimalarial drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 515-525.	3.3	49
15	Synthesis of a Ley neoglycoconjugate and Ley-functionalized gold glyconanoparticles. Tetrahedron: Asymmetry, 2005, 16, 149-158.	1.8	47
16	Synthesis and Biological Evaluation of a Heparin-Like Hexasaccharide with the Structural Motifs for Binding to FGF and FGFR. European Journal of Organic Chemistry, 2005, 2005, 1849-1858.	2.4	46
17	Some Key Experimental Features of a Modular Synthesis of Heparin-Like Oligosaccharides. European Journal of Organic Chemistry, 2003, 2003, 3308-3324.	2.4	45
18	Synthesis of heparin-like oligosaccharides on a soluble polymer support. Chemical Communications, 2003, , 2486-2487.	4.1	45

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19	Chondroitin Sulfate Tetrasaccharides: Synthesis, Threeâ€Dimensional Structure and Interaction with Midkine. Chemistry - A European Journal, 2016, 22, 2356-2369.	3.3	45
20	A New Route to L-Iduronate Building-blocks for the Synthesis of Heparin-like Oligosaccharides. Synlett, 1999, 1999, 1316-1318.	1.8	43
21	Deciphering the glycosaminoglycan code with the help of microarrays. Molecular BioSystems, 2008, 4, 707.	2.9	42
22	Synthesis of chondroitin/dermatan sulfate-like oligosaccharides and evaluation of their protein affinity by fluorescence polarization. Organic and Biomolecular Chemistry, 2013, 11, 3510.	2.8	36
23	Oligosaccharide Microarrays to Map Interactions of Carbohydrates in Biological Systems. Methods in Enzymology, 2006, 415, 269-292.	1.0	35
24	Dynamic properties of biologically active synthetic heparin-like hexasaccharides. Glycobiology, 2005, 15, 1008-1015.	2.5	33
25	Effect of the Substituents of the Neighboring Ring in the Conformational Equilibrium of Iduronate in Heparinâ€like Trisaccharides. Chemistry - A European Journal, 2012, 18, 16319-16331.	3.3	32
26	Recent Advances and Future Challenges in Glycan Microarray Technology. Methods in Molecular Biology, 2012, 808, 1-12.	0.9	30
27	Synthesis of amine-functionalized heparin oligosaccharides for the investigation of carbohydrateâ€“protein interactions in microtiter plates. Organic and Biomolecular Chemistry, 2012, 10, 2146.	2.8	28
28	Insights into the Glycosaminoglycan-Mediated Cytotoxic Mechanism of Eosinophil Cationic Protein Revealed by NMR. ACS Chemical Biology, 2013, 8, 144-151.	3.4	27
29	Conformations of the iduronate ring in short heparin fragments described by time-averaged distance restrained molecular dynamics. Glycobiology, 2013, 23, 1220-1229.	2.5	27
30	Synthesis of Chondroitin Sulfate Oligosaccharides Using Nâ€(Tetrachlorophthaloyl)â€•and Nâ€(Trifluoroacetyl)galactosamine Building Blocks. European Journal of Organic Chemistry, 2014, 2014, 3868-3884.	2.4	27
31	Glycodendrimers as Chondroitin Sulfate Mimetics: Synthesis and Binding to Growth Factor Midkine. Chemistry - A European Journal, 2017, 23, 11338-11345.	3.3	26
32	Importance of the polarity of the glycosaminoglycan chain on the interaction with FGF-1. Glycobiology, 2014, 24, 1004-1009.	2.5	24
33	Characterization of Annexin A1 Glycan Binding Reveals Binding to Highly Sulfated Glycans with Preference for Highly Sulfated Heparan Sulfate and Heparin. Biochemistry, 2011, 50, 2650-2659.	2.5	23
34	3D structure of a heparin mimetic analogue of a FGF-1 activator. A NMR and molecular modelling study. Organic and Biomolecular Chemistry, 2013, 11, 8269.	2.8	22
35	Microwave-assisted sulfonation of heparin oligosaccharides. Tetrahedron Letters, 2011, 52, 441-443.	1.4	21
36	Design and synthesis of inositolphosphoglycan putative insulin mediators. Organic and Biomolecular Chemistry, 2005, 3, 764-786.	2.8	18

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37	Synthesis of hyaluronic acid oligosaccharides and exploration of a fluorous-assisted approach. Carbohydrate Research, 2014, 394, 17-25.	2.3	18
38	Interaction of heparin with Ca2+: A model study with a synthetic heparin-like hexasaccharide. Israel Journal of Chemistry, 2000, 40, 289-299.	2.3	17
39	Regio- and stereoselective synthesis of 3- and 5-(C-glycosyl)-4-nitroisoxazolidines by nitroneâ€“nitroalkene [3+2] cycloaddition reactions. Tetrahedron: Asymmetry, 1999, 10, 77-98.	1.8	16
40	Interactions between a Heparin Trisaccharide Library and FGF-1 Analyzed by NMR Methods. International Journal of Molecular Sciences, 2017, 18, 1293.	4.1	13
41	Polymerâ€Supported Synthesis of Oligosaccharides Using a Diisopropylsiloxane Linker and Trichloroacetimidate Donors. European Journal of Organic Chemistry, 2010, 2010, 2138-2147.	2.4	12
42	Exploration of the use of an acylsulfonamide safety-catch linker for the polymer-supported synthesis of hyaluronic acid oligosaccharides. Carbohydrate Research, 2010, 345, 565-571.	2.3	12
43	Improvement on binding of chondroitin sulfate derivatives to midkine by increasing hydrophobicity. Organic and Biomolecular Chemistry, 2016, 14, 3506-3509.	2.8	12
44	Fluorous-tag assisted synthesis of a glycosaminoglycan mimetic tetrasaccharide as a high-affinity FGF-2 and midkine ligand. Bioorganic and Medicinal Chemistry, 2018, 26, 1076-1085.	3.0	12
45	Midkine Interaction with Chondroitin Sulfate Model Synthetic Tetrasaccharides and Their Mimetics: The Role of Aromatic Interactions. Chemistry - A European Journal, 2021, 27, 12395-12409.	3.3	7
46	Influence of the reducing-end anomeric configuration of the Man₉ epitope on DC-SIGN recognition. Organic and Biomolecular Chemistry, 2020, 18, 6086-6094.	2.8	6
47	Second-Generation Dendrimers with Chondroitin Sulfate Type-E Disaccharides as Multivalent Ligands for Langerin. Biomacromolecules, 2020, 21, 2726-2734.	5.4	6
48	GAG Multivalent Systems to Interact with Langerin. Current Medicinal Chemistry, 2022, 29, 1173-1192.	2.4	6
49	Synthesis of a Fluorous-Tagged Hexasaccharide and Interaction with Growth Factors Using Sugar-Coated Microplates. Molecules, 2019, 24, 1591.	3.8	4
50	Langerin-Heparin Interaction: Analysis of the Binding to the Non-Lectin Site. Natural Product Communications, 2019, 14, 1934578X1985159.	0.5	3
51	Unexpected loss of stereoselectivity in glycosylation reactions during the synthesis of chondroitin sulfate oligosaccharides. Beilstein Journal of Organic Chemistry, 2019, 15, 137-144.	2.2	3
52	Synthesis, structure and midkine binding of chondroitin sulfate oligosaccharide analogues. Organic and Biomolecular Chemistry, 2021, 19, 5312-5326.	2.8	3
53	Fluorous-Tag-Assisted Synthesis of GAG-Like Oligosaccharides. Methods in Molecular Biology, 2022, 2303, 37-47.	0.9	3
54	The Interaction between Chondroitin Sulfate and Dermatan Sulfate Tetrasaccharides and Pleiotrophin. International Journal of Molecular Sciences, 2022, 23, 3026.	4.1	3

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55	Carbohydrate Arrays for Basic Science and as Diagnostic Tools. , 2008, , 387-403.		0
56	Pleiotrophin Interaction with Synthetic Glycosaminoglycan Mimetics. Pharmaceuticals, 2022, 15, 496.	3.8	0