

Medel Manuel L Zulueta

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,085
citations

394421

19
h-index

477307

29
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all docs

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docs citations

30
times ranked

1090
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of hyaluronic acid oligosaccharides with a GlcNAcâ€“GlcA repeating pattern and their binding affinity with CD44. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5370-5387.	2.8	8
2	Glycan sulfation patterns define autophagy flux at axon tip via PTPRÎŒ-cortactin axis. <i>Nature Chemical Biology</i> , 2019, 15, 699-709.	8.0	69
3	Singleâ€“Step Perâ€“Oâ€“Sulfonation of Sugar Oligomers with Concomitant 1,6â€“Anhydro Bridge Formation for Binding Fibroblast Growth Factors. <i>ChemBioChem</i> , 2019, 20, 237-240.	2.6	2
4	Structural analysis of synthetic heparan sulfate oligosaccharides with fibroblast growth factors and heparin-binding hemagglutinin. <i>Current Opinion in Structural Biology</i> , 2018, 50, 126-133.	5.7	13
5	Structure of the Complex between a Heparan Sulfate Octasaccharide and Mycobacterial Heparinâ€“Binding Hemagglutinin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4192-4196.	13.8	24
6	Stereoselective one-pot synthesis of polypropionates. <i>Nature Communications</i> , 2017, 8, 679.	12.8	3
7	Yb(OTf) ₃ -Catalyzed Desymmetrization of <i>myo</i> -Inositol 1,3,5-Orthoformate and Its Application in the Synthesis of Chiral Inositol Phosphates. <i>Journal of Organic Chemistry</i> , 2017, 82, 11418-11430.	3.2	6
8	Synthetic heparin and heparan sulfate: probes in defining biological functions. <i>Current Opinion in Chemical Biology</i> , 2017, 40, 152-159.	6.1	26
9	Structural basis for oligomerization and glycosaminoglycan binding of CCL5 and CCL3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5000-5005.	7.1	72
10	Unconventional exo selectivity in thermal normal-electron-demand Dielsâ€“Alder reactions. <i>Scientific Reports</i> , 2016, 6, 35147.	3.3	20
11	Imaging Endogenous Bilirubins with Two-Photon Fluorescence of Bilirubin Dimers. <i>Analytical Chemistry</i> , 2015, 87, 7575-7582.	6.5	25
12	Synthesis of Sulfated Glycans. , 2015, , 365-371.		1
13	Regioselective one-pot protection, protectionâ€“glycosylation and protectionâ€“glycosylationâ€“glycosylation of carbohydrates: a case study with d-glucose. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 376-382.	2.8	36
14	Synthesis of Phosphatidylinositol Mannosides. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 151-162.	1.4	7
15	Microwave-Assisted One-Pot Synthesis of 1,6-Anhydrosugars and Orthogonally Protected Thioglycosides. <i>Journal of the American Chemical Society</i> , 2014, 136, 14425-14431.	13.7	37
16	Interactions That Influence the Binding of Synthetic Heparan Sulfate Based Disaccharides to Fibroblast Growth Factor-2. <i>ACS Chemical Biology</i> , 2014, 9, 1712-1717.	3.4	26
17	Synthetic heparin and heparan sulfate oligosaccharides and their protein interactions. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 1023-1029.	6.1	40
18	Regioselective and stereoselective benzylidene installation and one-pot protection of d-mannose. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2605.	2.8	32

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19	Chemical Synthesis of Oligosaccharides Based on Heparin and Heparan Sulfate. Trends in Glycoscience and Glycotechnology, 2013, 25, 141-158.	0.1	13
20	Synthesis of heparin oligosaccharides and their interaction with eosinophil-derived neurotoxin. Organic and Biomolecular Chemistry, 2012, 10, 760-772.	2.8	43
21	Acyl and Silyl Group Effects in Reactivity-Based One-Pot Glycosylation: Synthesis of Embryonic Stem Cell Surface Carbohydrates Lc ₄ and IV ² Fuc-Lc ₄ . Journal of the American Chemical Society, 2012, 134, 4549-4552.	13.7	70
22	Divergent Synthesis of 48 Heparan Sulfate-Based Disaccharides and Probing the Specific Sugar-Fibroblast Growth Factor-1 Interaction. Journal of the American Chemical Society, 2012, 134, 20722-20727.	13.7	80
23	1,2-Glycosylation by α -Glucosamine-Derived Donors: Synthesis of Heparosan and Heparin Analogues That Interact with Mycobacterial Heparin-Binding Hemagglutinin. Journal of the American Chemical Society, 2012, 134, 8988-8995.	13.7	95
24	2-Allylphenyl glycosides as glycosyl donors for sugar coupling. Carbohydrate Research, 2012, 352, 197-201.	2.3	17
25	Deuterium-isotope study on the reductive ring opening of benzylidene acetals. Organic and Biomolecular Chemistry, 2011, 9, 7655.	2.8	18
26	Desymmetrization of 2,4,5,6-Tetra-O-benzyl- α -myo-inositol for the Synthesis of Mycothiol. Organic Letters, 2011, 13, 5496-5499.	4.6	15
27	One-Pot Strategies for the Synthesis of the Tetrasaccharide Linkage Region of Proteoglycans. Organic Letters, 2011, 13, 1506-1509.	4.6	43
28	Synthesis of 3-O-sulfonated heparan sulfate octasaccharides that inhibit the herpes simplex virus type 1 host-cell interaction. Nature Chemistry, 2011, 3, 557-563.	13.6	168
29	Regioselective One-pot Protection and Protection-glycosylation of Carbohydrates. Chimia, 2011, 65, 54.	0.6	21
30	Regioselective One-Pot Protection of α -Glucosamine. Journal of Organic Chemistry, 2010, 75, 7424-7427.	3.2	55