

# 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  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 3-O-sulfonated heparan sulfate octasaccharides that inhibit the herpes simplex virus type 1 host–cell interaction. <i>Nature Chemistry</i> , 2011, 3, 557-563.	13.6	168
2	Î±-Glycosylation by $\alpha$ -Glucosamine-Derived Donors: Synthesis of Heparosan and Heparin Analogues That Interact with Mycobacterial Heparin-Binding Hemagglutinin. <i>Journal of the American Chemical Society</i> , 2012, 134, 8988-8995.	13.7	95
3	Divergent Synthesis of 48 Heparan Sulfate-Based Disaccharides and Probing the Specific Sugar–Fibroblast Growth Factor-1 Interaction. <i>Journal of the American Chemical Society</i> , 2012, 134, 20722-20727.	13.7	80
4	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
5	Acyl and Silyl Group Effects in Reactivity-Based One-Pot Glycosylation: Synthesis of Embryonic Stem Cell Surface Carbohydrates Lc <sub>4</sub> and IV <sup>2</sup> Fuc-Lc <sub>4</sub> . <i>Journal of the American Chemical Society</i> , 2012, 134, 4549-4552.	13.7	70
6	Glycan sulfation patterns define autophagy flux at axon tip via PTPRÎf-cortactin axis. <i>Nature Chemical Biology</i> , 2019, 15, 699-709.	8.0	69
7	Regioselective One-Pot Protection of $\alpha$ -Glucosamine. <i>Journal of Organic Chemistry</i> , 2010, 75, 7424-7427.	3.2	55
8	One-Pot Strategies for the Synthesis of the Tetrasaccharide Linkage Region of Proteoglycans. <i>Organic Letters</i> , 2011, 13, 1506-1509.	4.6	43
9	Synthesis of heparin oligosaccharides and their interaction with eosinophil-derived neurotoxin. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 760-772.	2.8	43
10	Synthetic heparin and heparan sulfate oligosaccharides and their protein interactions. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 1023-1029.	6.1	40
11	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
12	Regioselective one-pot protection, protection–glycosylation and protection–glycosylation of carbohydrates: a case study with d-glucose. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 376-382.	2.8	36
13	Regioselective and stereoselective benzylidene installation and one-pot protection of d-mannose. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2605.	2.8	32
14	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
15	Synthetic heparin and heparan sulfate: probes in defining biological functions. <i>Current Opinion in Chemical Biology</i> , 2017, 40, 152-159.	6.1	26
16	Imaging Endogenous Bilirubins with Two-Photon Fluorescence of Bilirubin Dimers. <i>Analytical Chemistry</i> , 2015, 87, 7575-7582.	6.5	25
17	Structure of the Complex between a Heparan Sulfate Octasaccharide and Mycobacterial Heparin–Binding Hemagglutinin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4192-4196.	13.8	24
18	Regioselective One-pot Protection and Protection-glycosylation of Carbohydrates. <i>Chimia</i> , 2011, 65, 54.	0.6	21

#	ARTICLE	IF	CITATIONS
19	Unconventional exo selectivity in thermal normal-electron-demand Diels-Alder reactions. Scientific Reports, 2016, 6, 35147.	3.3	20
20	Deuterium-isotope study on the reductive ring opening of benzylidene acetals. Organic and Biomolecular Chemistry, 2011, 9, 7655.	2.8	18
21	2-Allylphenyl glycosides as glycosyl donors for sugar coupling. Carbohydrate Research, 2012, 352, 197-201.	2.3	17
22	Desymmetrization of 2,4,5,6-Tetra-O-benzyl-D-myo-inositol for the Synthesis of Mycothiol. Organic Letters, 2011, 13, 5496-5499.	4.6	15
23	Chemical Synthesis of Oligosaccharides Based on Heparin and Heparan Sulfate. Trends in Glycoscience and Glycotechnology, 2013, 25, 141-158.	0.1	13
24	Structural analysis of synthetic heparan sulfate oligosaccharides with fibroblast growth factors and heparin-binding hemagglutinin. Current Opinion in Structural Biology, 2018, 50, 126-133.	5.7	13
25	Synthesis of hyaluronic acid oligosaccharides with a GlcNAc-GlcA repeating pattern and their binding affinity with CD44. Organic and Biomolecular Chemistry, 2020, 18, 5370-5387.	2.8	8
26	Synthesis of Phosphatidylinositol Mannosides. Journal of the Chinese Chemical Society, 2014, 61, 151-162.	1.4	7
27	Yb(OTf) <sub>3</sub> -Catalyzed Desymmetrization of D-myo-Inositol 1,3,5-Orthoformate and Its Application in the Synthesis of Chiral Inositol Phosphates. Journal of Organic Chemistry, 2017, 82, 11418-11430.	3.2	6
28	Stereoselective one-pot synthesis of polypropionates. Nature Communications, 2017, 8, 679.	12.8	3
29	Single-Step Per-O-Sulfonation of Sugar Oligomers with Concomitant 1,6-Anhydro Bridge Formation for Binding Fibroblast Growth Factors. ChemBioChem, 2019, 20, 237-240.	2.6	2
30	Synthesis of Sulfated Glycans. , 2015, , 365-371.		1