

Rebecca L Miller

List of Publications by Year in descending order

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16
papers

445
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840776

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17
docs citations

17
times ranked

711
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct and Absolute Quantification of over 1800 Yeast Proteins via Selected Reaction Monitoring. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1309-1322.	3.8	80
2	Towards a standardized bioinformatics infrastructure for N- and O-glycomics. <i>Nature Communications</i> , 2019, 10, 3275.	12.8	70
3	Synthetic Heparan Sulfate Mimetic Pixatimod (PG545) Potently Inhibits SARS-CoV-2 by Disrupting the Spike-ACE2 Interaction. <i>ACS Central Science</i> , 2022, 8, 527-545.	11.3	62
4	Shotgun ion mobility mass spectrometry sequencing of heparan sulfate saccharides. <i>Nature Communications</i> , 2020, 11, 1481.	12.8	39
5	Versatile Separation and Analysis of Heparan Sulfate Oligosaccharides Using Graphitized Carbon Liquid Chromatography and Electrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 8942-8950.	6.5	27
6	Dissecting structure-function of 3-O-sulfated heparin and engineered heparan sulfates. <i>Science Advances</i> , 2021, 7, eabl6026.	10.3	23
7	Composition, Sequencing and Ion Mobility Mass Spectrometry of Heparan Sulfate-like Octasaccharide Isomers Differing in Glucuronic and Iduronic Acid Content. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 245-254.	1.0	20
8	Cryogenic Infrared Spectroscopy Reveals Structural Modularity in the Vibrational Fingerprints of Heparan Sulfate Diastereomers. <i>Analytical Chemistry</i> , 2020, 92, 10228-10232.	6.5	20
9	Method Development and Analysis of Free HS and HS in Proteoglycans from Pre- and Postmenopausal Women: Evidence for Biosynthetic Pathway Changes in Sulfotransferase and Sulfatase Enzymes. <i>Analytical Chemistry</i> , 2013, 85, 5917-5923.	6.5	19
10	Heparin Isomeric Oligosaccharide Separation Using Volatile Salt Strong Anion Exchange Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 11542-11550.	6.5	19
11	Label-Free Discovery Array Platform for the Characterization of Glycan Binding Proteins and Glycoproteins. <i>Analytical Chemistry</i> , 2017, 89, 4444-4451.	6.5	19
12	State-of-the-art glycosaminoglycan characterization. <i>Mass Spectrometry Reviews</i> , 2022, 41, 1040-1071.	5.4	16
13	Enrichment of Two Isomeric Heparin Oligosaccharides Exhibiting Different Affinities toward Monocyte Chemoattractant Protein-1. <i>Analytical Chemistry</i> , 2016, 88, 11551-11558.	6.5	11
14	Indium-111 labelling of liposomal HEGF for radionuclide delivery via ultrasound-induced cavitation. <i>Journal of Controlled Release</i> , 2020, 319, 222-233.	9.9	9
15	Chondroitin Sulfate Disaccharides in the Gas Phase: Differentiation and Conformational Constraints. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4373-4379.	2.5	7
16	The interaction of chondroitin sulfate with a lipid monolayer observed by using nonlinear vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13389-13395.	2.8	3