

Ling Han

List of Publications by Year in descending order

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19
papers

473
citations

759233

12
h-index

794594

19
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all docs

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19
times ranked

563
citing authors

#	ARTICLE	IF	CITATIONS
1	Sialic acid-containing glycolipids mediate binding and viral entry of SARS-CoV-2. <i>Nature Chemical Biology</i> , 2022, 18, 81-90.	8.0	141
2	Submicron Emitters Enable Reliable Quantification of Weak Protein-Glycan Interactions by ESI-MS. <i>Analytical Chemistry</i> , 2021, 93, 4231-4239.	6.5	25
3	Influence of labeling on the glycan affinities and specificities of glycan-binding proteins. A case study involving a C-terminal fragment of human galectin-3. <i>Glycobiology</i> , 2020, 30, 49-57.	2.5	4
4	Neoglycolipids as Glycosphingolipid Surrogates for Protein Binding Studies Using Nanodiscs and Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 14189-14196.	6.5	3
5	Probing Heteromultivalent Protein-Glycosphingolipid Interactions using Native Mass Spectrometry and Nanodiscs. <i>Analytical Chemistry</i> , 2020, 92, 3923-3931.	6.5	8
6	A quantitative, high-throughput method identifies protein-glycan interactions via mass spectrometry. <i>Communications Biology</i> , 2019, 2, 268.	4.4	24
7	Sliding Window Adduct Removal Method (SWARM) for Enhanced Electrospray Ionization Mass Spectrometry Binding Data. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1446-1454.	2.8	14
8	Synthetic polyprenol-pyrophosphate linked oligosaccharides are efficient substrates for mycobacterial galactan biosynthetic enzymes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1939-1957.	2.8	7
9	Quantifying the binding stoichiometry and affinity of histo-blood group antigen oligosaccharides for human noroviruses. <i>Glycobiology</i> , 2018, 28, 488-498.	2.5	14
10	Bioengineered Norovirus S ₆₀ Nanoparticles as a Multifunctional Vaccine Platform. <i>ACS Nano</i> , 2018, 12, 10665-10682.	14.6	28
11	Detecting Protein-Glycolipid Interactions Using CaR-ESI-MS and Model Membranes: Comparison of Pre-loaded and Passively Loaded Picodiscs. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1493-1504.	2.8	8
12	Investigating the Influence of Membrane Composition on Protein-Glycolipid Binding Using Nanodiscs and Proxy Ligand Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 9330-9338.	6.5	14
13	Screening Oligosaccharide Libraries against Lectins Using the Proxy Protein Electrospray Ionization Mass Spectrometry Assay. <i>Analytical Chemistry</i> , 2016, 88, 8224-8231.	6.5	7
14	Detecting Protein-Glycolipid Interactions Using Glycomicelles and CaR-ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1878-1886.	2.8	11
15	Affinities of human histo-blood group antigens for norovirus capsid protein complexes. <i>Glycobiology</i> , 2015, 25, 170-180.	2.5	23
16	Protein-Glycolipid Interactions Studied in Vitro Using ESI-MS and Nanodiscs: Insights into the Mechanisms and Energetics of Binding. <i>Analytical Chemistry</i> , 2015, 87, 4888-4896.	6.5	30
17	Identifying Carbohydrate Ligands of a Norovirus P Particle using a Catch and Release Electrospray Ionization Mass Spectrometry Assay. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 111-119.	2.8	22
18	Gangliosides are Ligands for Human Noroviruses. <i>Journal of the American Chemical Society</i> , 2014, 136, 12631-12637.	13.7	56

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19	Affinities of recombinant norovirus P dimers for human blood group antigens. <i>Glycobiology</i> , 2013, 23, 276-285.	2.5	34