Ling Han

List of Publications by Year
in descending order

19	473	759233 12	794594 19
papers	citations	h-index	g-index

19	19	19	563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sialic acid-containing glycolipids mediate binding and viral entry of SARS-CoV-2. Nature Chemical Biology, 2022, 18, 81-90.	8.0	141
2	Gangliosides are Ligands for Human Noroviruses. Journal of the American Chemical Society, 2014, 136, 12631-12637.	13.7	56
3	Affinities of recombinant norovirus P dimers for human blood group antigens. Glycobiology, 2013, 23, 276-285.	2.5	34
4	Proteinâ€“Glycolipid Interactions Studied in Vitro Using ESI-MS and Nanodiscs: Insights into the Mechanisms and Energetics of Binding. Analytical Chemistry, 2015, 87, 4888-4896.	6.5	30
5	Bioengineered Norovirus S₆₀ Nanoparticles as a Multifunctional Vaccine Platform. ACS Nano, 2018, 12, 10665-10682.	14.6	28
6	Submicron Emitters Enable Reliable Quantification of Weak Proteinâ€“Glycan Interactions by ESI-MS. Analytical Chemistry, 2021, 93, 4231-4239.	6.5	25
7	A quantitative, high-throughput method identifies proteinâ€“glycan interactions via mass spectrometry. Communications Biology, 2019, 2, 268.	4.4	24
8	Affinities of human histo-blood group antigens for norovirus capsid protein complexes. Glycobiology, 2015, 25, 170-180.	2.5	23
9	Identifying Carbohydrate Ligands of a Norovirus P Particle using a Catch and Release Electrospray Ionization Mass Spectrometry Assay. Journal of the American Society for Mass Spectrometry, 2014, 25, 111-119.	2.8	22
10	Investigating the Influence of Membrane Composition on Proteinâ€“Glycolipid Binding Using Nanodiscs and Proxy Ligand Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2017, 89, 9330-9338.	6.5	14
11	Quantifying the binding stoichiometry and affinity of histo-blood group antigen oligosaccharides for human noroviruses. Glycobiology, 2018, 28, 488-498.	2.5	14
12	Sliding Window Adduct Removal Method (SWARM) for Enhanced Electrospray Ionization Mass Spectrometry Binding Data. Journal of the American Society for Mass Spectrometry, 2019, 30, 1446-1454.	2.8	14
13	Detecting Proteinâ€“Glycolipid Interactions Using Glycomicelles and CaR-ESI-MS. Journal of the American Society for Mass Spectrometry, 2016, 27, 1878-1886.	2.8	11
14	Detecting Proteinâ€“Glycolipid Interactions Using CaR-ESI-MS and Model Membranes: Comparison of Pre-loaded and Passively Loaded Picodiscs. Journal of the American Society for Mass Spectrometry, 2018, 29, 1493-1504.	2.8	8
15	Probing Heteromultivalent Proteinâ€“Glycosphingolipid Interactions using Native Mass Spectrometry and Nanodiscs. Analytical Chemistry, 2020, 92, 3923-3931.	6.5	8
16	Screening Oligosaccharide Libraries against Lectins Using the Proxy Protein Electrospray Ionization Mass Spectrometry Assay. Analytical Chemistry, 2016, 88, 8224-8231.	6.5	7
17	Synthetic polyprenol-pyrophosphate linked oligosaccharides are efficient substrates for mycobacterial galactan biosynthetic enzymes. Organic and Biomolecular Chemistry, 2018, 16, 1939-1957.	2.8	7
18	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. Glycobiology, 2020, 30, 49-57.	2.5	4

#	Article	IF	Citations
19	Neoglycolipids as Glycosphingolipid Surrogates for Protein Binding Studies Using Nanodiscs and Native Mass Spectrometry. Analytical Chemistry, 2020, 92, 14189-14196.	6.5	3