Asif Shajahan

List of Publications by Year
in descending order

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30	1,259	567281 15	477307 29
papers	citations	h-index	g-index

36	36	36	2489
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A photo-cross-linking GlcNAc analog enables covalent capture of N-linked glycoprotein-binding partners on the cell surface. Cell Chemical Biology, 2022, 29, 84-97.e8.	5.2	21
2	Desialylation of Oâ€glycans activates von Willebrand factor by destabilizing its autoinhibitory module. Journal of Thrombosis and Haemostasis, 2022, 20, 196-207.	3.8	5
3	Comprehensive characterization of N- and O- glycosylation of SARS-CoV-2 human receptor angiotensin converting enzyme 2. Glycobiology, 2021, 31, 410-424.	2.5	125
4	Glycoproteomic Sample Processing, LCâ€MS, and Data Analysis Using GlycReSoft. Current Protocols, 2021, 1, e84.	2.9	5
5	Nuclear receptors FXR and SHP regulate protein N-glycan modifications in the liver. Science Advances, 2021, 7, .	10.3	6
6	Variable posttranslational modifications of severe acute respiratory syndrome coronavirus 2 nucleocapsid protein. Glycobiology, 2021, 31, 1080-1092.	2.5	31
7	Glycosylation of SARS-CoV-2: structural and functional insights. Analytical and Bioanalytical Chemistry, 2021, 413, 7179-7193.	3.7	56
8	Detecting Glucose Fluctuations in the Campylobacter jejuni N-Glycan Structure. ACS Chemical Biology, 2021, 16, 2690-2701.	3.4	2
9	Engineering orthogonal human O-linked glycoprotein biosynthesis in bacteria. Nature Chemical Biology, 2020, 16, 1062-1070.	8.0	30
10	Mass Spectrometric Method for the Unambiguous Profiling of Cellular Dynamic Glycosylation. ACS Chemical Biology, 2020, 15, 2692-2701.	3.4	19
11	Deducing the N- and O-glycosylation profile of the spike protein of novel coronavirus SARS-CoV-2. Glycobiology, 2020, 30, 981-988.	2.5	420
12	Simplifying Glycan Profiling through a High-Throughput Micropermethylation Strategy. SLAS Technology, 2020, 25, 367-379.	1.9	12
13	Binding of Phage-Encoded FlaGrab to Motile Campylobacter jejuni Flagella Inhibits Growth, Downregulates Energy Metabolism, and Requires Specific Flagellar Glycans. Frontiers in Microbiology, 2020, 11, 397.	3.5	14
14	Glycoengineering tobacco plants to stably express recombinant human erythropoietin with different N-glycan profiles. International Journal of Biological Macromolecules, 2020, 157, 158-169.	7.5	12
15	Species-Specific Recognition of Sulfolobales Mediated by UV-Inducible Pili and S-Layer Glycosylation Patterns. MBio, 2020, 11, .	4.1	19
16	High-mannose type N-glycans with core fucosylation and complex-type N-glycans with terminal neuraminic acid residues are unique to porcine islets. PLoS ONE, 2020, 15, e0241249.	2.5	12
17	Exploring the scope of high throughput microâ€permethylation based glycomics.. FASEB Journal, 2020, 34, 1-1.	0.5	0
18	Deoxyinosine and 7-Deaza-2-Deoxyguanosine as Carriers of Genetic Information in the DNA of Campylobacter Viruses. Journal of Virology, 2019, 93, .	3.4	25

#	Article	IF	Citations
19	High-Throughput Automated Micro-permethylation for Glycan Structure Analysis. Analytical Chemistry, 2019, 91, 1237-1240.	6.5	23
20	Generation of ¹³C-Labeled MUC5AC Mucin Oligosaccharides for Stable Isotope Probing of Host-Associated Microbial Communities. ACS Infectious Diseases, 2019, 5, 385-393.	3.8	8
21	Unraveling the sequence of cytosolic reactions in the export of GspB adhesin from Streptococcus gordonii. Journal of Biological Chemistry, 2018, 293, 5360-5373.	3.4	15
22	Chemical and biological methods for probing the structure and functions of polysialic acids. Emerging Topics in Life Sciences, 2018, 2, 363-376.	2.6	2
23	Glycomic and glycoproteomic analysis of glycoproteinsâ€"a tutorial. Analytical and Bioanalytical Chemistry, 2017, 409, 4483-4505.	3.7	102
24	Carbohydrateâ€"Neuroactive Hybrid Strategy for Metabolic Glycan Engineering of the Central Nervous System in Vivo. Journal of the American Chemical Society, 2017, 139, 693-700.	13.7	26
25	Tool for Rapid Analysis of Glycopeptide by Permethylation via One-Pot Site Mapping and Glycan Analysis. Analytical Chemistry, 2017, 89, 10734-10743.	6.5	40
26	Distinct roles of N- and O-glycans in cellulase activity and stability. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13667-13672.	7.1	76
27	A vaginal drug delivery model. Drug Delivery, 2016, 23, 3123-3134.	5.7	40
28	Antimicrobial Efficacy of Synthesized Quaternary Ammonium Polyamidoamine Dendrimers and Dendritic Polymer Network. Journal of Nanoscience and Nanotechnology, 2016, 16, 998-1007.	0.9	8
29	Inhibition of Mucin-Type O-Glycosylation through Metabolic Processing and Incorporation of N-Thioglycolyl-<scp>d</scp>-galactosamine Peracetate (Ac₅GalNTGc). Journal of the American Chemical Society, 2013, 135, 14189-14197.	13.7	24
30	Antigen peptide transporter 1 is involved in the development of fructoseâ€induced hepatic steatosis in mice. Journal of Gastroenterology and Hepatology (Australia), 2013, 28, 1403-1409.	2.8	16