

# Asif Shajahan

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,259  
citations

567281

15  
h-index

477307

29  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2489  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deducing the N- and O-glycosylation profile of the spike protein of novel coronavirus SARS-CoV-2. <i>Glycobiology</i> , 2020, 30, 981-988.	2.5	420
2	Comprehensive characterization of N- and O- glycosylation of SARS-CoV-2 human receptor angiotensin converting enzyme 2. <i>Glycobiology</i> , 2021, 31, 410-424.	2.5	125
3	Glycomic and glycoproteomic analysis of glycoproteins—a tutorial. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4483-4505.	3.7	102
4	Distinct roles of N- and O-glycans in cellulase activity and stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13667-13672.	7.1	76
5	Glycosylation of SARS-CoV-2: structural and functional insights. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7179-7193.	3.7	56
6	A vaginal drug delivery model. <i>Drug Delivery</i> , 2016, 23, 3123-3134.	5.7	40
7	Tool for Rapid Analysis of Glycopeptide by Permethylaton via One-Pot Site Mapping and Glycan Analysis. <i>Analytical Chemistry</i> , 2017, 89, 10734-10743.	6.5	40
8	Variable posttranslational modifications of severe acute respiratory syndrome coronavirus 2 nucleocapsid protein. <i>Glycobiology</i> , 2021, 31, 1080-1092.	2.5	31
9	Engineering orthogonal human O-linked glycoprotein biosynthesis in bacteria. <i>Nature Chemical Biology</i> , 2020, 16, 1062-1070.	8.0	30
10	Carbohydrate—Neuroactive Hybrid Strategy for Metabolic Glycan Engineering of the Central Nervous System <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2017, 139, 693-700.	13.7	26
11	Deoxyinosine and 7-Deaza-2-Deoxyguanosine as Carriers of Genetic Information in the DNA of <i>Campylobacter</i> Viruses. <i>Journal of Virology</i> , 2019, 93, .	3.4	25
12	Inhibition of Mucin-Type <i>O</i> -Glycosylation through Metabolic Processing and Incorporation of <i>N</i> -Thioglycolyl-galactosamine Peracetate (Ac <sub>5</sub> GalNTGc). <i>Journal of the American Chemical Society</i> , 2013, 135, 14189-14197.	13.7	24
13	High-Throughput Automated Micro-permethylation for Glycan Structure Analysis. <i>Analytical Chemistry</i> , 2019, 91, 1237-1240.	6.5	23
14	A photo-cross-linking GlcNAc analog enables covalent capture of N-linked glycoprotein-binding partners on the cell surface. <i>Cell Chemical Biology</i> , 2022, 29, 84-97.e8.	5.2	21
15	Mass Spectrometric Method for the Unambiguous Profiling of Cellular Dynamic Glycosylation. <i>ACS Chemical Biology</i> , 2020, 15, 2692-2701.	3.4	19
16	Species-Specific Recognition of Sulfolobales Mediated by UV-Inducible Pili and S-Layer Glycosylation Patterns. <i>MBio</i> , 2020, 11, .	4.1	19
17	Antigen peptide transporter 1 is involved in the development of fructose-induced hepatic steatosis in mice. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2013, 28, 1403-1409.	2.8	16
18	Unraveling the sequence of cytosolic reactions in the export of GspB adhesin from <i>Streptococcus gordonii</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 5360-5373.	3.4	15

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19	Binding of Phage-Encoded FlaGrab to Motile <i>Campylobacter jejuni</i> Flagella Inhibits Growth, Downregulates Energy Metabolism, and Requires Specific Flagellar Glycans. <i>Frontiers in Microbiology</i> , 2020, 11, 397.	3.5	14
20	Simplifying Glycan Profiling through a High-Throughput Micropermethylation Strategy. <i>SLAS Technology</i> , 2020, 25, 367-379.	1.9	12
21	Glycoengineering tobacco plants to stably express recombinant human erythropoietin with different N-glycan profiles. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 158-169.	7.5	12
22	High-mannose type N-glycans with core fucosylation and complex-type N-glycans with terminal neuraminic acid residues are unique to porcine islets. <i>PLoS ONE</i> , 2020, 15, e0241249.	2.5	12
23	Antimicrobial Efficacy of Synthesized Quaternary Ammonium Polyamidoamine Dendrimers and Dendritic Polymer Network. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 998-1007.	0.9	8
24	Generation of <sup>13</sup> C-Labeled MUC5AC Mucin Oligosaccharides for Stable Isotope Probing of Host-Associated Microbial Communities. <i>ACS Infectious Diseases</i> , 2019, 5, 385-393.	3.8	8
25	Nuclear receptors FXR and SHP regulate protein N-glycan modifications in the liver. <i>Science Advances</i> , 2021, 7, .	10.3	6
26	Glycoproteomic Sample Processing, LC-MS, and Data Analysis Using GlycReSoft. <i>Current Protocols</i> , 2021, 1, e84.	2.9	5
27	Desialylation of O-glycans activates von Willebrand factor by destabilizing its autoinhibitory module. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 196-207.	3.8	5
28	Chemical and biological methods for probing the structure and functions of polysialic acids. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 363-376.	2.6	2
29	Detecting Glucose Fluctuations in the <i>Campylobacter jejuni</i> N-Glycan Structure. <i>ACS Chemical Biology</i> , 2021, 16, 2690-2701.	3.4	2
30	Exploring the scope of high throughput micropermethylation based glycomics.. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0