Hiren J Joshi

List of Publications by Year
in descending order

43 papers	3,884 citations	186265 28 h-index	289244 40 g-index
43 all docs	43 docs citations	43 times ranked	5188 citing authors

#	ARTICLE	IF	CITATIONS
1	Display of the human mucinome with defined O-glycans by gene engineered cells. Nature Communications, 2021, 12, 4070.	12.8	67
2	Global view of human protein glycosylation pathways and functions. Nature Reviews Molecular Cell Biology, 2020, 21, 729-749.	37.0	560
3	Structural characterization of an unprecedented lectin-like antitumoral anti-MUC1 antibody. Chemical Communications, 2020, 56, 15137-15140.	4.1	10
4	Cell-Based Glycan Arraysâ€"A Practical Guide to Dissect the Human Glycome. STAR Protocols, 2020, 1, 100017.	1.2	20
5	An atlas of O-linked glycosylation on peptide hormones reveals diverse biological roles. Nature Communications, 2020, 11, 4033.	12.8	46
6	Oâ€glycan initiation directs distinct biological pathways and controls epithelial differentiation. EMBO Reports, 2020, 21, e48885.	4.5	36
7	An Atlas of Human Glycosylation Pathways Enables Display of the Human Glycome by Gene Engineered Cells. Molecular Cell, 2019, 75, 394-407.e5.	9.7	181
8	Multiple distinct O-Mannosylation pathways in eukaryotes. Current Opinion in Structural Biology, 2019, 56, 171-178.	5.7	37
9	Exploring Regulation of Protein O-Glycosylation in Isogenic Human HEK293 Cells by Differential O-Glycoproteomics. Molecular and Cellular Proteomics, 2019, 18, 1396-1409.	3.8	44
10	A strategy for generating cancer-specific monoclonal antibodies to aberrantO-glycoproteins: identification of a novel dysadherin-Tn antibody. Glycobiology, 2019, 29, 307-319.	2.5	17
11	Fine-Tuning Limited Proteolysis: A Major Role for Regulated Site-Specific O-Glycosylation. Trends in Biochemical Sciences, 2018, 43, 269-284.	7.5	40
12	SnapShot: O-Glycosylation Pathways across Kingdoms. Cell, 2018, 172, 632-632.e2.	28.9	72
13	A validated gRNA library for CRISPR/Cas9 targeting of the human glycosyltransferase genome. Glycobiology, 2018, 28, 295-305.	2.5	70
14	GlycoDomainViewer: a bioinformatics tool for contextual exploration of glycoproteomes. Glycobiology, 2018, 28, 131-136.	2.5	25
15	TAILS N-terminomics and proteomics reveal complex regulation of proteolytic cleavage by O-glycosylation. Journal of Biological Chemistry, 2018, 293, 7629-7644.	3.4	25
16	Glycosyltransferase genes that cause monogenic congenital disorders of glycosylation are distinct from glycosyltransferase genes associated with complex diseases. Glycobiology, 2018, 28, 284-294.	2.5	43
17	Probing the contribution of individual polypeptide GalNAc-transferase isoforms to the O-glycoproteome by inducible expression in isogenic cell lines. Journal of Biological Chemistry, 2018, 293, 19064-19077.	3.4	38
18	Viral glycoproteomes: technologies for characterization and outlook for vaccine design. FEBS Letters, 2018, 592, 3898-3920.	2.8	23

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19	Discovery of an O-mannosylation pathway selectively serving cadherins and protocadherins. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11163-11168.	7.1	83
20	Characterizing the O-glycosylation landscape of human plasma, platelets, and endothelial cells. Blood Advances, 2017, 1, 429-442.	5.2	121
21	Global Mapping of O-Glycosylation of Varicella Zoster Virus, Human Cytomegalovirus, and Epstein-Barr Virus. Journal of Biological Chemistry, 2016, 291, 12014-12028.	3.4	59
22	Mapping the O-Mannose Glycoproteome in Saccharomyces cerevisiae. Molecular and Cellular Proteomics, 2016, 15, 1323-1337.	3.8	61
23	Deconstruction of Oâ€glycosylationâ€"Gal <scp>NA</scp> câ€" isoforms direct distinct subsets of theÂOâ€glycoproteome. EMBO Reports, 2015, 16, 1713-1722.	4.5	91
24	Eukaryotic Glycosylation: Online Methods for Site Prediction on Protein Sequences. Methods in Molecular Biology, 2015, 1273, 127-137.	0.9	13
25	A Strategy for O-Glycoproteomics of Enveloped Virusesâ€"the O-Glycoproteome of Herpes Simplex Virus Type 1. PLoS Pathogens, 2015, 11, e1004784.	4.7	46
26	A glycogene mutation map for discovery of diseases of glycosylation. Glycobiology, 2015, 25, 211-224.	2.5	52
27	Probing polypeptide GalNAc-transferase isoform substrate specificities by in vitro analysis. Glycobiology, 2015, 25, 55-65.	2.5	89
28	Protein O-GalNAc Glycosylation: Most Complex and Differentially Regulated PTM. , 2015, , 1049-1064.		2
29	Protein O-GalNAc Glycosylation: The Most Complex and Differentially Regulated PTM. , 2014, , 1-14.		4
30	Precision mapping of the human O-GalNAc glycoproteome through SimpleCell technology. EMBO Journal, 2013, 32, 1478-1488.	7.8	1,130
31	Proteome coverage of the model plant Arabidopsis thaliana: Implications for shotgun proteomic studies. Journal of Proteomics, 2013, 79, 195-199.	2.4	4
32	MASCP gator: an overview of the Arabidopsis proteomic aggregation portal. Frontiers in Plant Science, 2013, 4, 411.	3.6	14
33	Managing the green proteomes for the next decade of plant research. Frontiers in Plant Science, 2013, 4, 501.	3.6	2
34	1001 Proteomes: a functional proteomics portal for the analysis of <i>Arabidopsis thaliana</i> accessions. Bioinformatics, 2012, 28, 1303-1306.	4.1	21
35	EUROCarbDB: An open-access platform for glycoinformatics. Glycobiology, 2011, 21, 493-502.	2.5	116
36	MASCP Gator: An Aggregation Portal for the Visualization of Arabidopsis Proteomics Data. Plant Physiology, 2011, 155, 259-270.	4.8	94

#	Article	IF	Citations
37	An Integrative Approach to the Identification of Arabidopsis and Rice Genes Involved in Xylan and Secondary Wall Development. PLoS ONE, 2010, 5, e15481.	2.5	82
38	GlycoViewer: a tool for visual summary and comparative analysis of the glycome. Nucleic Acids Research, 2010, 38, W667-W670.	14.5	14
39	Informatics Tools for Glycomics: Assisted Interpretation and Annotation of Mass Spectra. , 2008, , 2219-2240.		1
40	Sharing of worldwide distributed carbohydrate-related digital resources: online connection of the Bacterial Carbohydrate Structure DataBase and GLYCOSCIENCES.de. Nucleic Acids Research, 2007, 35, D280-D286.	14.5	50
41	Development of a mass fingerprinting tool for automated interpretation of oligosaccharide fragmentation data. Proteomics, 2004, 4, 1650-1664.	2.2	121
42	Negative ion graphitised carbon nano-liquid chromatography/mass spectrometry increases sensitivity for glycoprotein oligosaccharide analysis. Rapid Communications in Mass Spectrometry, 2004, 18, 2282-2292.	1.5	138
43	GlycoSuiteDB: a curated relational database of glycoprotein glycan structures and their biological sources. 2003 update. Nucleic Acids Research, 2003, 31, 511-513.	14.5	122