

Catharina Steentoft

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,936
citations

304743

22
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

5750
citing authors

#	ARTICLE	IF	CITATIONS
1	Precision mapping of the human O-GalNAc glycoproteome through SimpleCell technology. <i>EMBO Journal</i> , 2013, 32, 1478-1488.	7.8	1,130
2	Engineered CAR T Cells Targeting the Cancer-Associated Tn-Glycoform of the Membrane Mucin MUC1 Control Adenocarcinoma. <i>Immunity</i> , 2016, 44, 1444-1454.	14.3	458
3	Mining the O-glycoproteome using zinc-finger nucleaseâ€“glycoengineered SimpleCell lines. <i>Nature Methods</i> , 2011, 8, 977-982.	19.0	312
4	Immature truncated O-glycophenotype of cancer directly induces oncogenic features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4066-75.	7.1	251
5	An Atlas of Human Glycosylation Pathways Enables Display of the Human Glycome by Gene Engineered Cells. <i>Molecular Cell</i> , 2019, 75, 394-407.e5.	9.7	181
6	Initiation of GalNAc-type O-glycosylation in the endoplasmic reticulum promotes cancer cell invasiveness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3152-61.	7.1	158
7	Fast and sensitive detection of indels induced by precise gene targeting. <i>Nucleic Acids Research</i> , 2015, 43, e59-e59.	14.5	151
8	Mining the O-mannose glycoproteome reveals cadherins as major O-mannosylated glycoproteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21018-21023.	7.1	143
9	Probing isoform-specific functions of polypeptide GalNAc-transferases using zinc finger nuclease glycoengineered SimpleCells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9893-9898.	7.1	113
10	The GAGome: a cell-based library of displayed glycosaminoglycans. <i>Nature Methods</i> , 2018, 15, 881-888.	19.0	113
11	Advances in mass spectrometry driven O-glycoproteomics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 33-42.	2.4	104
12	Microarray Glycoprofiling of CA125 Improves Differential Diagnosis of Ovarian Cancer. <i>Journal of Proteome Research</i> , 2013, 12, 1408-1418.	3.7	96
13	Enhanced Mass Spectrometric Mapping of the Human GalNAc-type O-Glycoproteome with SimpleCells. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 932-944.	3.8	92
14	Probing the O-Glycoproteome of Gastric Cancer Cell Lines for Biomarker Discovery*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1616-1629.	3.8	91
15	Fucosylation and protein glycosylation create functional receptors for cholera toxin. <i>ELife</i> , 2015, 4, e09545.	6.0	81
16	Glycan-directed CAR-T cells. <i>Glycobiology</i> , 2018, 28, 656-669.	2.5	74
17	The GalNAc-type O-Glycoproteome of CHO Cells Characterized by the SimpleCell Strategy. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3224-3235.	3.8	72
18	Precision genome editing: A small revolution for glycobiology. <i>Glycobiology</i> , 2014, 24, 663-680.	2.5	47

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19	Exploring Regulation of Protein O-Glycosylation in Isogenic Human HEK293 Cells by Differential O-Glycoproteomics. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1396-1409.	3.8	44
20	Glycan Elongation Beyond the Mucin Associated Tn Antigen Protects Tumor Cells from Immune-Mediated Killing. <i>PLoS ONE</i> , 2013, 8, e72413.	2.5	41
21	GlycoDomainViewer: a bioinformatics tool for contextual exploration of glycoproteomes. <i>Glycobiology</i> , 2018, 28, 131-136.	2.5	25
22	Isoforms of MUC16 activate oncogenic signaling through EGF receptors to enhance the progression of pancreatic cancer. <i>Molecular Therapy</i> , 2021, 29, 1557-1571.	8.2	25
23	Glycoengineering of Human Cell Lines Using Zinc Finger Nuclease Gene Targeting: SimpleCells with Homogeneous GalNAc O-glycosylation Allow Isolation of the O-glycoproteome by One-Step Lectin Affinity Chromatography. <i>Methods in Molecular Biology</i> , 2013, 1022, 387-402.	0.9	25
24	Mucins and Truncated O-Glycans Unveil Phenotypic Discrepancies between Serous Ovarian Cancer Cell Lines and Primary Tumours. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2045.	4.1	22
25	Multiple cancer-specific antigens are targeted by a chimeric antibody receptor on a single cancer cell. <i>JCI Insight</i> , 2019, 4, .	5.0	21
26	A strategy for generating cancer-specific monoclonal antibodies to aberrant O-glycoproteins: identification of a novel dysadherin-Tn antibody. <i>Glycobiology</i> , 2019, 29, 307-319.	2.5	17
27	Characterization of an immunodominant cancer-specific O-glycopeptide epitope in murine podoplanin (OTS8). <i>Glycoconjugate Journal</i> , 2010, 27, 571-582.	2.7	16
28	A validated collection of mouse monoclonal antibodies to human glycosyltransferases functioning in mucin-type O-glycosylation. <i>Glycobiology</i> , 2019, 29, 645-656.	2.5	16
29	GlycoScan: Varying Glycosylation in the Sequence of the Peptide Hormone PYY3-36 and Its Effect on Receptor Selectivity. <i>ChemBioChem</i> , 2010, 11, 366-374.	2.6	9
30	Protein O-GalNAc Glycosylation: The Most Complex and Differentially Regulated PTM. , 2014, , 1-14.		4
31	Protein O-GalNAc Glycosylation: Most Complex and Differentially Regulated PTM. , 2015, , 1049-1064.		2