

Christian BÃ¼ll

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,384
citations

257450

24
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

2834
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic tracing of sugar metabolism reveals the mechanisms of action of synthetic sugar analogs. <i>Glycobiology</i> , 2022, 32, 239-250.	2.5	15
2	Sialic acid blockade in dendritic cells enhances CD8+ T cell responses by facilitating high-avidity interactions. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 98.	5.4	10
3	Installation of O-glycan sulfation capacities in human HEK293 cells for display of sulfated mucins. <i>Journal of Biological Chemistry</i> , 2022, 298, 101382.	3.4	6
4	Structure-Activity Relationship of Metabolic Sialic Acid Inhibitors and Labeling Reagents. <i>ACS Chemical Biology</i> , 2022, 17, 590-597.	3.4	12
5	Human-type sialic acid receptors contribute to avian influenza A virus binding and entry by hetero-multivalent interactions. <i>Nature Communications</i> , 2022, 13, .	12.8	27
6	Genetic glycoengineering in mammalian cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100448.	3.4	53
7	Cellular Fucosylation Inhibitors Based on Fluorinated Fucose-1-phosphates**. <i>Chemistry - A European Journal</i> , 2021, 27, 4022-4027.	3.3	13
8	Probing the binding specificities of human Siglecs by cell-based glycan arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	83
9	Generation of \pm CD11b-CpG antibody conjugates for the targeted stimulation of myeloid cells. <i>Journal of Controlled Release</i> , 2021, 332, 148-159.	9.9	0
10	Display of the human mucinome with defined O-glycans by gene engineered cells. <i>Nature Communications</i> , 2021, 12, 4070.	12.8	67
11	Sialic acid O-acetylation: From biosynthesis to roles in health and disease. <i>Journal of Biological Chemistry</i> , 2021, 297, 100906.	3.4	49
12	Siglec Signaling in the Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 790317.	4.8	35
13	Cell-Based Glycan Arrays – A Practical Guide to Dissect the Human Glycome. <i>STAR Protocols</i> , 2020, 1, 100017.	1.2	20
14	Essential Functions of Glycans in Human Epithelia Dissected by a CRISPR-Cas9-Engineered Human Organotypic Skin Model. <i>Developmental Cell</i> , 2020, 54, 669-684.e7.	7.0	38
15	Sialoglycans and Siglecs Can Shape the Tumor Immune Microenvironment. <i>Trends in Immunology</i> , 2020, 41, 274-285.	6.8	130
16	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
17	Combined sialic acid and histone deacetylase (HDAC) inhibitor treatment up-regulates the neuroblastoma antigen GD2. <i>Journal of Biological Chemistry</i> , 2019, 294, 4437-4449.	3.4	20
18	A systems genomics approach identifies <i>SIGLEC15</i> as a susceptibility factor in recurrent vulvovaginal candidiasis. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	38

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19	Sialic acid glycoengineering using N-acetylmannosamine and sialic acid analogs. <i>Glycobiology</i> , 2019, 29, 433-445.	2.5	30
20	Expression profiling of immune inhibitory Siglecs and their ligands in patients with glioma. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 937-949.	4.2	49
21	Potent Metabolic Sialylation Inhibitors Based on C-5-Modified Fluorinated Sialic Acids. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1014-1021.	6.4	49
22	Sialic Acid Blockade Suppresses Tumor Growth by Enhancing T-cell-Mediated Tumor Immunity. <i>Cancer Research</i> , 2018, 78, 3574-3588.	0.9	168
23	Selective Inhibition of Sialic Acid-Based Molecular Mimicry in <i>Haemophilus influenzae</i> Abrogates Serum Resistance. <i>Cell Chemical Biology</i> , 2018, 25, 1279-1285.e8.	5.2	26
24	Desialylation of Platelets by Pneumococcal Neuraminidase A Induces ADP-Dependent Platelet Hyperreactivity. <i>Infection and Immunity</i> , 2018, 86, .	2.2	26
25	Steering Siglec-Sialic Acid Interactions on Living Cells using Bioorthogonal Chemistry. <i>Angewandte Chemie</i> , 2017, 129, 3357-3361.	2.0	1
26	Steering Siglec-Sialic Acid Interactions on Living Cells using Bioorthogonal Chemistry. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3309-3313.	13.8	38
27	Metabolic Oligosaccharide Engineering with Alkyne Sialic Acids Confers Neuraminidase Resistance and Inhibits Influenza Reproduction. <i>Bioconjugate Chemistry</i> , 2017, 28, 1811-1815.	3.6	20
28	Metabolic sialic acid blockade lowers the activation threshold of moDCs for TLR stimulation. <i>Immunology and Cell Biology</i> , 2017, 95, 408-415.	2.3	28
29	The Epstein-Barr Virus Glycoprotein gp150 Forms an Immune-Evasive Glycan Shield at the Surface of Infected Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005550.	4.7	23
30	Anti-GD2 mAb and Vorinostat synergize in the treatment of neuroblastoma. <i>Oncotmunology</i> , 2016, 5, e1164919.	4.6	45
31	Sialic Acid Mimetics to Target the Sialic Acid-Siglec Axis. <i>Trends in Biochemical Sciences</i> , 2016, 41, 519-531.	7.5	128
32	Saponin-based adjuvants induce cross-presentation in dendritic cells by intracellular lipid body formation. <i>Nature Communications</i> , 2016, 7, 13324.	12.8	95
33	Disease mutations in CMP-sialic acid transporter SLC35A1 result in abnormal α -dystroglycan O-mannosylation, independent from sialic acid. <i>Human Molecular Genetics</i> , 2015, 24, 2241-2246.	2.9	31
34	Targeted Delivery of a Sialic Acid-Blocking Glycomimetic to Cancer Cells Inhibits Metastatic Spread. <i>ACS Nano</i> , 2015, 9, 733-745.	14.6	123
35	Sialic Acid Glycoengineering Using an Unnatural Sialic Acid for the Detection of Sialoglycan Biosynthesis Defects and On-Cell Synthesis of Siglec Ligands. <i>ACS Chemical Biology</i> , 2015, 10, 2353-2363.	3.4	38
36	Sweet escape: Sialic acids in tumor immune evasion. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1846, 238-246.	7.4	94

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37	Sialic Acids Sweeten a Tumor's Life. <i>Cancer Research</i> , 2014, 74, 3199-3204.	0.9	373
38	The Epithelial Calcium Channel TRPV5 Is Regulated Differentially by Klotho and Sialidase. <i>Journal of Biological Chemistry</i> , 2013, 288, 29238-29246.	3.4	42
39	Targeting Aberrant Sialylation in Cancer Cells Using a Fluorinated Sialic Acid Analog Impairs Adhesion, Migration, and <i>In Vivo</i> Tumor Growth. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1935-1946.	4.1	154