

Christopher Day

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,109
citations

430754

18
h-index

254106

43
g-index

68
all docs

68
docs citations

68
times ranked

2862
citing authors

#	ARTICLE	IF	CITATIONS
1	MCC950 directly targets the NLRP3 ATP-hydrolysis motif for inflammasome inhibition. <i>Nature Chemical Biology</i> , 2019, 15, 556-559.	3.9	561
2	Glycointeractions in bacterial pathogenesis. <i>Nature Reviews Microbiology</i> , 2018, 16, 440-452.	13.6	181
3	<i>Staphylococcus aureus</i> LukAB cytotoxin kills human neutrophils by targeting the CD11b subunit of the integrin Mac-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10794-10799.	3.3	180
4	The cholesterol-dependent cytolysins pneumolysin and streptolysin O require binding to red blood cell glycans for hemolytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5312-20.	3.3	110
5	Differential Carbohydrate Recognition by <i>Campylobacter jejuni</i> Strain 11168: Influences of Temperature and Growth Conditions. <i>PLoS ONE</i> , 2009, 4, e4927.	1.1	95
6	Characterisation of a Multi-ligand Binding Chemoreceptor CcmL (Tlp3) of <i>Campylobacter jejuni</i> . <i>PLoS Pathogens</i> , 2014, 10, e1003822.	2.1	95
7	Identification and characterization of the aspartate chemosensory receptor of <i>Campylobacter jejuni</i> . <i>Molecular Microbiology</i> , 2010, 75, 710-730.	1.2	94
8	Human CD45 is an F-component-specific receptor for the staphylococcal toxin Pantone's Valentine leukocidin. <i>Nature Microbiology</i> , 2018, 3, 708-717.	5.9	63
9	A direct-sensing galactose chemoreceptor recently evolved in invasive strains of <i>Campylobacter jejuni</i> . <i>Nature Communications</i> , 2016, 7, 13206.	5.8	49
10	All major cholesterol-dependent cytolysins use glycans as cellular receptors. <i>Science Advances</i> , 2020, 6, eaaz4926.	4.7	46
11	The glycointeractome of serogroup B <i>Neisseria meningitidis</i> strain MC58. <i>Scientific Reports</i> , 2017, 7, 5693.	1.6	30
12	Carbohydrate Recognition Specificity of Trans-sialidase Lectin Domain from <i>Trypanosoma congolense</i> . <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004120.	1.3	30
13	Variation of chemosensory receptor content of <i>Campylobacter jejuni</i> strains and modulation of receptor gene expression under different in vivo and in vitro growth conditions. <i>BMC Microbiology</i> , 2012, 12, 128.	1.3	29
14	The <i>Campylobacter jejuni</i> chemoreceptor Tlp10 has a bimodal ligand-binding domain and specificity for multiple classes of chemoeffectors. <i>Science Signaling</i> , 2021, 14, .	1.6	29
15	MBDS Solvent: An Improved Method for Assessment of Biofilms. <i>Advances in Microbiology</i> , 2013, 03, 200-204.	0.3	27
16	Exploiting species specificity to understand the tropism of a human-specific toxin. <i>Science Advances</i> , 2020, 6, eaax7515.	4.7	21
17	The HMW2 adhesin of non-typeable <i>Haemophilus influenzae</i> is a human-adapted lectin that mediates high-affinity binding to 6 linked N-acetylneuraminic acid glycans. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1103-1107.	1.0	20
18	Lectin Activity of the TcdA and TcdB Toxins of <i>Clostridium difficile</i> . <i>Infection and Immunity</i> , 2019, 87, .	1.0	20

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19	Nontypeable <i>Haemophilus influenzae</i> Has Evolved Preferential Use of <i>N</i> -Acetylneuraminic Acid as a Host Adaptation. <i>MBio</i> , 2019, 10, .	1.8	20
20	Bridging the Gap: A Role for <i>Campylobacter jejuni</i> Biofilms. <i>Microorganisms</i> , 2020, 8, 452.	1.6	20
21	The <i>Neisseria gonorrhoeae</i> Methionine Sulfoxide Reductase (MsrA/B) Is a Surface Exposed, Immunogenic, Vaccine Candidate. <i>Frontiers in Immunology</i> , 2019, 10, 137.	2.2	19
22	Binding specificity of ostreolysin A6 towards Sf9 insect cell lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183307.	1.4	19
23	Assessment of glycan interactions of clinical and avian isolates of <i>Campylobacter jejuni</i> . <i>BMC Microbiology</i> , 2013, 13, 228.	1.3	18
24	Repurposed Drugs That Block the <i>Gonococcus</i> -Complement Receptor 3 Interaction Can Prevent and Cure <i>Gonococcal</i> Infection of Primary Human Cervical Epithelial Cells. <i>MBio</i> , 2020, 11, .	1.8	18
25	Glycointeractome of <i>Neisseria gonorrhoeae</i> : Identification of Host Glycans Targeted by the <i>Gonococcus</i> To Facilitate Adherence to Cervical and Urethral Epithelial Cells. <i>MBio</i> , 2019, 10, .	1.8	17
26	Structure aided design of a Neu5Gc specific lectin. <i>Scientific Reports</i> , 2017, 7, 1495.	1.6	16
27	Identification of a domain critical for <i>Staphylococcus aureus</i> LukED receptor targeting and lysis of erythrocytes. <i>Journal of Biological Chemistry</i> , 2020, 295, 17241-17250.	1.6	15
28	The <i>Neisseria gonorrhoeae</i> Vaccine Candidate NHBA Elicits Antibodies That Are Bactericidal, Opsonophagocytic and That Reduce <i>Gonococcal</i> Adherence to Epithelial Cells. <i>Vaccines</i> , 2020, 8, 219.	2.1	14
29	The dCache Chemoreceptor TlpA of <i>Helicobacter pylori</i> Binds Multiple Attractant and Antagonistic Ligands via Distinct Sites. <i>MBio</i> , 2021, 12, e0181921.	1.8	14
30	G2/M cell cycle arrest by an N-acetyl-D-glucosamine specific lectin from <i>Psathyrella asperspora</i> . <i>Glycoconjugate Journal</i> , 2014, 31, 61-70.	1.4	13
31	Antibodies to neutralising epitopes synergistically block the interaction of the receptor-binding domain of SARS-CoV-2 to ACE 2. <i>Clinical and Translational Immunology</i> , 2021, 10, e1260.	1.7	13
32	The Bexsero <i>Neisseria meningitidis</i> serogroup B vaccine antigen NHBA is a high-affinity chondroitin sulfate binding protein. <i>Scientific Reports</i> , 2018, 8, 6512.	1.6	12
33	Host glycoalyx captures HIV proximal to the cell surface via oligomannose-GlcNAc glycan-glycan interactions to support viral entry. <i>Cell Reports</i> , 2022, 38, 110296.	2.9	12
34	How bacteria utilize sialic acid during interactions with the host: snip, snatch, dispatch, match and attach. <i>Microbiology (United Kingdom)</i> , 2022, 168, .	0.7	12
35	Lectin activity of the pneumococcal pilin proteins. <i>Scientific Reports</i> , 2017, 7, 17784.	1.6	11
36	Role of the <i>Gonococcal Neisserial</i> Heparin Binding Antigen in Microcolony Formation, and Serum Resistance and Adherence to Epithelial Cells. <i>Journal of Infectious Diseases</i> , 2020, 221, 1612-1622.	1.9	11

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37	Assigning a role for chemosensory signal transduction in <i>Campylobacter jejuni</i> biofilms using a combined omics approach. <i>Scientific Reports</i> , 2020, 10, 6829.	1.6	11
38	Biophysical characterization and structural determination of the potent cytotoxic <i>Psathyrella asperspora</i> lectin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 969-975.	1.5	10
39	The Nontypeable <i>Haemophilus influenzae</i> Major Adhesin Hia Is a Dual-Function Lectin That Binds to Human-Specific Respiratory Tract Sialic Acid Glycan Receptors. <i>MBio</i> , 2020, 11, .	1.8	10
40	Solution structure, glycan specificity and of phenol oxidase inhibitory activity of <i>Anopheles</i> C-type lectins CTL4 and CTLMA2. <i>Scientific Reports</i> , 2019, 9, 15191.	1.6	9
41	Lectin activity of <i>Pseudomonas aeruginosa</i> vaccine candidates PSE17-1, PSE41-5 and PSE54. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 287-290.	1.0	9
42	Discovery of Bacterial Fimbriae-Glycan Interactions Using Whole-Cell Recombinant <i>Escherichia coli</i> Expression. <i>MBio</i> , 2021, 12, .	1.8	9
43	Specificity and utility of SubB2M, a new N-glycolylneuraminic acid lectin. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 765-771.	1.0	8
44	Identification of Specific Ligands for Sensory Receptors by Small-Molecule Ligand Arrays and Surface Plasmon Resonance. <i>Methods in Molecular Biology</i> , 2018, 1729, 303-317.	0.4	7
45	YesU from <i>Bacillus subtilis</i> preferentially binds fucosylated glycans. <i>Scientific Reports</i> , 2018, 8, 13139.	1.6	7
46	<i>Shigella flexneri</i> Targets Human Colonic Goblet Cells by O Antigen Binding to Sialyl-Tn and Tn Antigens via Glycan-Glycan Interactions. <i>ACS Infectious Diseases</i> , 2020, 6, 2604-2615.	1.8	7
47	Human Plasminogen Exacerbates <i>Clostridioides difficile</i> Enteric Disease and Alters the Spore Surface. <i>Gastroenterology</i> , 2020, 159, 1431-1443.e6.	0.6	7
48	N-glycolylneuraminic acid serum biomarker levels are elevated in breast cancer patients at all stages of disease. <i>BMC Cancer</i> , 2022, 22, 334.	1.1	7
49	Efficient function of signal peptidase 1 of <i>Escherichia coli</i> is partly determined by residues in the mature N-terminus of exported proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1018-1022.	1.4	6
50	Ucl fimbriae regulation and glycan receptor specificity contribute to gut colonisation by extra-intestinal pathogenic <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2022, 18, e1010582.	2.1	6
51	The Pneumococcal Alpha-Glycerophosphate Oxidase Enhances Nasopharyngeal Colonization through Binding to Host Glycoconjugates. <i>EBioMedicine</i> , 2017, 18, 236-243.	2.7	5
52	Human glycan expression patterns influence Group A streptococcal colonization of epithelial cells. <i>FASEB Journal</i> , 2019, 33, 10808-10818.	0.2	5
53	Specific blood group antibodies inhibit <i>Shigella flexneri</i> interaction with human cells in the absence of spinoculation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 131-136.	1.0	5
54	Functional Microarray Platform with Self-Assembled Monolayers on 3C-Silicon Carbide. <i>Langmuir</i> , 2020, 36, 13181-13192.	1.6	5

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55	RNA Sequencing Data Sets Identifying Differentially Expressed Transcripts during <i>Campylobacter jejuni</i> Biofilm Formation. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	5
56	The Lst Sialyltransferase of <i>Neisseria gonorrhoeae</i> Can Transfer Keto-Deoxyoctanoate as the Terminal Sugar of Lipooligosaccharide: a Glyco-Achilles Heel That Provides a New Strategy for Vaccines to Prevent Gonorrhea. <i>MBio</i> , 2021, 12, .	1.8	4
57	Identification of Ligand-Receptor Interactions: Ligand Molecular Arrays, SPR and NMR Methodologies. <i>Methods in Molecular Biology</i> , 2017, 1512, 51-63.	0.4	3
58	Characterizing the meningococcal glycointeractome: what is new?. <i>Future Microbiology</i> , 2018, 13, 279-282.	1.0	2
59	Identification of the Glycan Binding Profile of Human and Rodent <i>Plasmodium</i> Sporozoites. <i>ACS Infectious Diseases</i> , 2021, 7, 2383-2389.	1.8	2
60	The EngCP endo α -N-acetylgalactosaminidase is a virulence factor involved in <i>Clostridium perfringens</i> gas gangrene infections. <i>International Journal of Medical Microbiology</i> , 2020, 310, 151398.	1.5	1
61	Investigation of <i>Mycobacterium ulcerans</i> Glycan Interactions Using Glycan and Surface Plasmon. <i>Methods in Molecular Biology</i> , 2022, 2387, 29-40.	0.4	1
62	Investigation of Group A Streptococcal Interactions with Host Glycan Structures Using High-Throughput Techniques: Glycan Microarray Analysis Using Recombinant Protein and Whole Cells. <i>Methods in Molecular Biology</i> , 2020, 2136, 145-151.	0.4	1
63	The cell surface protein MUL_3720 confers binding of the skin pathogen <i>Mycobacterium ulcerans</i> to sulfated glycans and keratin. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009136.	1.3	0