Brian A Cobb

List of Publications by Year
in descending order

51 papers	2,880 citations	257450 24 h-index	206112 48 g-index
57 all docs	57 docs citations	57 times ranked	4115 citing authors

#	Article	IF	Citations
1	Activation of neutrophils by autocrine IL-17Aâ€“IL-17RC interactions during fungal infection is regulated by IL-6, IL-23, RORÎ³t and dectin-2. Nature Immunology, 2014, 15, 143-151.	14.5	373
2	Polysaccharide Processing and Presentation by the MHCII Pathway. Cell, 2004, 117, 677-687.	28.9	313
3	A bacterial carbohydrate links innate and adaptive responses through Toll-like receptor 2. Journal of Experimental Medicine, 2006, 203, 2853-2863.	8.5	245
4	Glycobiology of immune responses. Annals of the New York Academy of Sciences, 2012, 1253, 1-15.	3.8	226
5	Fungal antioxidant pathways promote survival against neutrophils during infection. Journal of Clinical Investigation, 2012, 122, 2482-2498.	8.2	132
6	The history of IgG glycosylation and where we are now. Glycobiology, 2020, 30, 202-213.	2.5	120
7	The regulatory power of glycans and their binding partners in immunity. Trends in Immunology, 2013, 34, 290-298.	6.8	116
8	B-cellâ€“independent sialylation of IgG. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7207-7212.	7.1	115
9	Coming of age: carbohydrates and immunity. European Journal of Immunology, 2005, 35, 352-356.	2.9	94
10	Infection, inflammation and host carbohydrates: A Glyco-Evasion Hypothesis. Glycobiology, 2012, 22, 1019-1030.	2.5	84
11	Zwitterionic capsular polysaccharides: the new MHCII-dependent antigens. Cellular Microbiology, 2005, 7, 1398-1403.	2.1	82
12	Bacterial capsular polysaccharide prevents the onset of asthma through T-cell activation. Glycobiology, 2015, 25, 368-375.	2.5	67
13	The direct and indirect effects of glycans on immune function. Glycobiology, 2017, 27, 619-624.	2.5	66
14	Roles for major histocompatibility complex glycosylation in immune function. Seminars in Immunopathology, 2012, 34, 425-441.	6.1	64
15	Type I Streptococcus pneumoniae carbohydrate utilizes a nitric oxide and MHCâ€ƒIIâ€dependent pathway for antigen presentation. Immunology, 2009, 127, 73-82.	4.4	63
16	Polysaccharide A from the Capsule of Bacteroides fragilis Induces Clonal CD4+ T Cell Expansion. Journal of Biological Chemistry, 2015, 290, 5007-5014.	3.4	63
17	The Glycoscience of Immunity. Trends in Immunology, 2018, 39, 523-535.	6.8	59
18	Characteristics of carbohydrate antigen binding to the presentation protein HLA-DR. Glycobiology, 2008, 18, 707-718.	2.5	57

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19	Polysaccharide-experienced effector T cells induce IL-10 in FoxP3+ regulatory T cells to prevent pulmonary inflammation. Glycobiology, 2018, 28, 50-58.	2.5	49
20	MHCII glycosylation modulates Bacteroides fragilis carbohydrate antigen presentation. Journal of Experimental Medicine, 2011, 208, 1041-1053.	8.5	48
21	Structure and function relations with a T-cell-activating polysaccharide antigen using circular dichroism. Glycobiology, 2007, 17, 46-55.	2.5	40
22	Glycoantigens Induce Human Peripheral Tr1 Cell Differentiation with Gut-homing Specialization. Journal of Biological Chemistry, 2011, 286, 8810-8818.	3.4	36
23	Mechanisms to Evade the Phagocyte Respiratory Burst Arose by Convergent Evolution in Typhoidal Salmonella Serovars. Cell Reports, 2018, 22, 1787-1797.	6.4	34
24	Interaction of the Capsular Polysaccharide A from Bacteroides fragilis with DC-SIGN on Human Dendritic Cells is Necessary for Its Processing and Presentation to T Cells. Frontiers in Immunology, 2013, 4, 103.	4.8	32
25	Integration of IL-2 and IL-4 signals coordinates divergent regulatory T cell responses and drives therapeutic efficacy. ELife, 2021, 10, .	6.0	25
26	Glycans in Immunologic Health and Disease. Annual Review of Immunology, 2021, 39, 511-536.	21.8	24
27	Structural characterization and MHCII-dependent immunological properties of the zwitterionic O-chain antigen of Morganella morganii. Glycobiology, 2011, 21, 1266-1276.	2.5	22
28	Host glycans and antigen presentation. Microbes and Infection, 2012, 14, 894-903.	1.9	20
29	Carbohydrate Oxidation Acidifies Endosomes, Regulating Antigen Processing and TLR9 Signaling. Journal of Immunology, 2010, 184, 3789-3800.	0.8	18
30	Neutrophils Confer T Cell Resistance to Myeloid-Derived Suppressor Cellâ€“Mediated Suppression To Promote Chronic Inflammation. Journal of Immunology, 2013, 190, 5037-5047.	0.8	18
31	CD45Rb-low effector T cells require IL-4 to induce IL-10 in FoxP3 Tregs and to protect mice from inflammation. PLoS ONE, 2019, 14, e0216893.	2.5	18
32	Characterization of Polysaccharide A Response Reveals Interferon Responsive Gene Signature and Immunomodulatory Marker Expression. Frontiers in Immunology, 2020, 11, 556813.	4.8	18
33	Modulation of hepatocyte sialylation drives spontaneous fatty liver disease and inflammation. Glycobiology, 2020, 30, 346-359.	2.5	17
34	Disruption of hepatocyte Sialylation drives a T cell-dependent pro-inflammatory immune tone. Glycoconjugate Journal, 2020, 37, 395-407.	2.7	14
35	T cell-intrinsic TLR2 stimulation promotes IL-10 expression and suppressive activity by CD45RbHi T cells. PLoS ONE, 2017, 12, e0180688.	2.5	14
36	A simple test tubeâ€based ELISA experiment for the highâ€school classroom. Biochemistry and Molecular Biology Education, 2009, 37, 243-248.	1.2	13

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37	Plasma glycomics predict cardiovascular disease in patients with ARTâ€controlled HIV infections. FASEB Journal, 2019, 33, 1852-1859.	0.5	11
38	Adaptive immune defects against glycoantigens in chronic granulomatous disease via dysregulated nitric oxide production. European Journal of Immunology, 2011, 41, 2562-2572.	2.9	9
39	Emerging glycobiology tools: A renaissance in accessibility. Cellular Immunology, 2018, 333, 2-8.	3.0	9
40	Mgat2 ablation in the myeloid lineage leads to defective glycoantigen T cell responses. Glycobiology, 2014, 24, 262-271.	2.5	8
41	Divergent Golgi trafficking limits B cell-mediated IgG sialylation. Journal of Leukocyte Biology, 2022, 112, 1555-1566.	3.3	8
42	ST6Gal1 in plasma is dispensable for IgG sialylation. Glycobiology, 0, , .	2.5	8
43	Dendritic cell-specific Mgat2 knockout mice show antigen presentation defects but reveal an unexpected CD11c expression pattern. Glycobiology, 2016, 26, 1007-1013.	2.5	7
44	Purification of Capsular Polysaccharide Complex from Gram-Negative Bacteria. Methods in Molecular Biology, 2019, 1954, 25-35.	0.9	6
45	Antibody receptors steal the sweet spotlight. Journal of Biological Chemistry, 2018, 293, 3490-3491.	3.4	4
46	Reduced red blood cell surface level of Factor H as a mechanism underlying paroxysmal nocturnal hemoglobinuria. Leukemia, 2021, 35, 1176-1187.	7.2	4
47	Myeloid Glycosylation Defects Lead to a Spontaneous Common Variable Immunodeficiency-like Condition with Associated Hemolytic Anemia and Antilymphocyte Autoimmunity. Journal of Immunology, 2014, 192, 5561-5570.	0.8	3
48	Antigen presenting cell response to polysaccharide A is characterized by the generation of anti-inflammatory macrophages. Glycobiology, 2022, 32, 136-147.	2.5	2
49	Immunology and the biomedical student pipeline. European Journal of Immunology, 2009, 39, 1183-1187.	2.9	1
50	Major Histocompatibility Complex: N-Glycosylation Form and Function. , 2015, , 643-648.		1
51	The Major Histocompatibility Complex: N-Glycosylation Form and Function. , 2014, , 1-6.		0