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List of Publications by Year
in descending order

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59 papers	4,731 citations	159573 30 h-index	155644 55 g-index
62 all docs	62 docs citations	62 times ranked	4063 citing authors

#	Article	IF	Citations
1	Streamlined single-cell proteomics by an integrated microfluidic chip and data-independent acquisition mass spectrometry. Nature Communications, 2022, 13, 37.	12.8	85
2	Sugar nucleotide regeneration system for the synthesis of Bi- and triantennary N-glycans and exploring their activities against siglecs. European Journal of Medicinal Chemistry, 2022, 232, 114146.	5.5	13
3	Phosphoproteomics Reveals the Role of Constitutive KAP1 Phosphorylation by B-cell Receptor Signaling in Chronic Lymphocytic Leukemia. Molecular Cancer Research, 2022, 20, 1222-1232.	3.4	1
4	Combining CuAAC reaction enables sialylated Bi- and triantennary pseudo mannose N-glycans for investigating Siglec-7 interactions. Bioorganic and Medicinal Chemistry, 2022, 67, 116839.	3.0	2
5	<scp>Ligandâ€assisted imprintingâ€probeâ€labeling</scp> strategy reveals Siglecâ€7 â€•glycoprotein interactions. Journal of the Chinese Chemical Society, 2022, 69, 1326-1337.	1.4	1
6	A Guillain-BarrÃ© syndrome-associated SIGLEC10 rare variant impairs its recognition of gangliosides. Journal of Autoimmunity, 2021, 116, 102571.	6.5	10
7	Identification and functional characterization of a Siglec-7 counter-receptor on K562Âcells. Journal of Biological Chemistry, 2021, 296, 100477.	3.4	25
8	Siglec-E retards atherosclerosis by inhibiting CD36-mediated foam cell formation. Journal of Biomedical Science, 2021, 28, 5.	7.0	17
9	Recent Progress in the Methodologies to Identify Physiological Ligands of Siglecs. Frontiers in Immunology, 2021, 12, 813082.	4.8	4
10	Siglec-15: a potential regulator of osteoporosis, cancer, and infectious diseases. Journal of Biomedical Science, 2020, 27, 10.	7.0	39
11	Preparation of Recombinant Siglecs and Identification of Their Ligands. Methods in Molecular Biology, 2020, 2132, 85-98.	0.9	7
12	Siglecs that Associate with DAP12. Advances in Experimental Medicine and Biology, 2020, 1204, 215-230.	1.6	18
13	Siglecâ€E Retards Atherosclerosis by Inhibiting CD36â€Mediated Foam Cell Formation. FASEB Journal, 2020, 34, 1-1.	0.5	0
14	Boronate affinity-based photoactivatable magnetic nanoparticles for the oriented and irreversible conjugation of Fc-fused lectins and antibodies. Chemical Science, 2019, 10, 8600-8609.	7.4	8
15	Expedient assembly of Oligo-LacNAcs by a sugar nucleotide regeneration system: Finding the role of tandem LacNAc and sialic acid position towards siglec binding. European Journal of Medicinal Chemistry, 2019, 180, 627-636.	5.5	14
16	Chemoenzymatic Synthesis of DSGb5 and Sialylated Globoâ€series Glycans. Angewandte Chemie - International Edition, 2019, 58, 11273-11278.	13.8	14
17	Chemoenzymatic Synthesis of DSGb5 and Sialylated Globoâ€series Glycans. Angewandte Chemie, 2019, 131, 11395-11400.	2.0	1
18	HLA-B27â€“mediated activation of TNAP phosphatase promotes pathogenic syndesmophyte formation in ankylosing spondylitis. Journal of Clinical Investigation, 2019, 129, 5357-5373.	8.2	51

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19	High affinity sugar ligands of C-type lectin receptor langerin. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1592-1601.	2.4	26
20	Soluble Siglec-14 glycan-recognition protein is generated by alternative splicing and suppresses myeloid inflammatory responses. Journal of Biological Chemistry, 2018, 293, 19645-19658.	3.4	32
21	Possible Influences of Endogenous and Exogenous Ligands on the Evolution of Human Siglecs. Frontiers in Immunology, 2018, 9, 2885.	4.8	26
22	The SIGLEC14 null allele is associated with Mycobacterium tuberculosis- and BCG-induced clinical and immunologic outcomes. Tuberculosis, 2017, 104, 38-45.	1.9	16
23	Identification of Siglec Ligands Using a Proximity Labeling Method. Journal of Proteome Research, 2017, 16, 3929-3941.	3.7	73
24	O-GlcNAcylation is required for B cell homeostasis and antibody responses. Nature Communications, 2017, 8, 1854.	12.8	42
25	Influence of <scp>SIGLEC9</scp> polymorphisms on <scp>COPD</scp> phenotypes including exacerbation frequency. Respirology, 2017, 22, 684-690.	2.3	27
26	Coevolution of Siglec-11 and Siglec-16 via gene conversion in primates. BMC Evolutionary Biology, 2017, 17, 228.	3.2	23
27	Identification and characterization of sulfated glycoproteins from small cell lung carcinoma cells assisted by management of molecular charges. Glycoconjugate Journal, 2016, 33, 917-926.	2.7	5
28	Immunomodulatory activity of extracellular Hsp70 mediated via paired receptors Siglecâ€5 andÂSiglecâ€14. EMBO Journal, 2015, 34, 2775-2788.	7.8	86
29	Siglec-15 is a potential therapeutic target for postmenopausal osteoporosis. Bone, 2015, 71, 217-226.	2.9	46
30	Siglec Interactions with Pathogens. , 2015, , 633-642.		3
31	Therapeutic Targeting of Siglecs using Antibody- and Glycan-Based Approaches. Trends in Pharmacological Sciences, 2015, 36, 645-660.	8.7	84
32	Rapid evolution of binding specificities and expression patterns of inhibitory CD33â€related Siglecs in primates. FASEB Journal, 2014, 28, 1280-1293.	0.5	71
33	Association of serum interleukin-27 with the exacerbation of chronic obstructive pulmonary disease. Physiological Reports, 2014, 2, e12069.	1.7	12
34	Siglec-5 and Siglec-14 are polymorphic paired receptors that modulate neutrophil and amnion signaling responses to group B Streptococcus. Journal of Experimental Medicine, 2014, 211, 1231-1242.	8.5	163
35	Associations of genetic polymorphisms of Siglecs with human diseases. Glycobiology, 2014, 24, 785-793.	2.5	33
36	Role of activating-type Siglecs on myeloid cell function. The Journal of Physical Fitness and Sports Medicine, 2014, 3, 199-203.	0.3	2

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37	Siglec-15 Regulates Osteoclast Differentiation by Modulating RANKL-Induced Phosphatidylinositol 3-Kinase/Akt and Erk Pathways in Association With Signaling Adaptor DAP12. Journal of Bone and Mineral Research, 2013, 28, 2463-2475.	2.8	100
38	The interaction between Siglec-15 and tumor-associated sialyl-Tn antigen enhances TGF-Â secretion from monocytes/macrophages through the DAP12-Syk pathway. Glycobiology, 2013, 23, 178-187.	2.5	170
39	Loss of Siglec-14 reduces the risk of chronic obstructive pulmonary disease exacerbation. Cellular and Molecular Life Sciences, 2013, 70, 3199-3210.	5.4	72
40	Evolution of Siglec-11 and Siglec-16 Genes in Hominins. Molecular Biology and Evolution, 2012, 29, 2073-2086.	8.9	42
41	Detection of antiâ€“Siglecâ€14 alloantibodies in blood components implicated in nonhaemolytic transfusion reactions. British Journal of Haematology, 2011, 153, 794-796.	2.5	16
42	SIGLEC12, a Human-specific Segregating (Pseudo)gene, Encodes a Signaling Molecule Expressed in Prostate Carcinomas. Journal of Biological Chemistry, 2011, 286, 23003-23011.	3.4	48
43	Human C21orf63 is a Heparin-binding Protein. Journal of Biochemistry, 2009, 146, 369-373.	1.7	13
44	Deletion polymorphism of SIGLEC14 and its functional implications. Glycobiology, 2009, 19, 841-846.	2.5	90
45	Siglec-15: an immune system Siglec conserved throughout vertebrate evolution. Glycobiology, 2007, 17, 838-846.	2.5	165
46	Defining the in vivo function of Siglec-F, a CD33-related Siglec expressed on mouse eosinophils. Blood, 2007, 109, 4280-4287.	1.4	168
47	Molecular diversity and evolution of the Siglec family of cell-surface lectins. Molecular Diversity, 2006, 10, 555-566.	3.9	59
48	Siglecsâ€”the major subfamily of I-type lectins. Glycobiology, 2006, 16, 1R-27R.	2.5	490
49	Discovery of Siglecâ€14, a novel sialic acid receptor undergoing concerted evolution with Siglecâ€5 in primates. FASEB Journal, 2006, 20, 1964-1973.	0.5	147
50	Large-scale sequencing of the CD33-related Siglec gene cluster in five mammalian species reveals rapid evolution by multiple mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13251-13256.	7.1	151
51	CD33/Siglec-3 Binding Specificity, Expression Pattern, and Consequences of Gene Deletion in Mice. Molecular and Cellular Biology, 2003, 23, 4199-4206.	2.3	97
52	Cloning and Characterization of Human Siglec-11. Journal of Biological Chemistry, 2002, 277, 24466-24474.	3.4	171
53	Chemical Diversity in the Sialic Acids and Related Î±-Keto Acids:â€‰ An Evolutionary Perspective. Chemical Reviews, 2002, 102, 439-470.	47.7	1,102
54	A Second Uniquely Human Mutation Affecting Sialic Acid Biology. Journal of Biological Chemistry, 2001, 276, 40282-40287.	3.4	78

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55	Cloning and Characterization of a Novel Mouse Siglec, mSiglec-F. Journal of Biological Chemistry, 2001, 276, 45128-45136.	3.4	85
56	Siglec-7: a sialic acid-binding lectin of the immunoglobulin superfamily. Glycobiology, 2000, 10, 431-438.	2.5	105
57	Cloning, Characterization, and Phylogenetic Analysis of Siglec-9, a New Member of the CD33-related Group of Siglecs. Journal of Biological Chemistry, 2000, 275, 22127-22135.	3.4	154
58	Evoked brain potentials as indicators of decision-making. Science, 1975, 187, 754-755.	12.6	113
59	Molecular Basis and Role of Siglec-7 Ligand Expression on Chronic Lymphocytic Leukemia B Cells. Frontiers in Immunology, 0, 13, .	4.8	14