

Takashi Angata

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

4,731
citations

182225

30
h-index

175968

55
g-index

62
all docs

62
docs citations

62
times ranked

4455
citing authors

#	ARTICLE	IF	CITATIONS
1	Streamlined single-cell proteomics by an integrated microfluidic chip and data-independent acquisition mass spectrometry. <i>Nature Communications</i> , 2022, 13, 37.	5.8	85
2	Sugar nucleotide regeneration system for the synthesis of Bi- and triantennary N-glycans and exploring their activities against siglecs. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114146.	2.6	13
3	Phosphoproteomics Reveals the Role of Constitutive KAP1 Phosphorylation by B-cell Receptor Signaling in Chronic Lymphocytic Leukemia. <i>Molecular Cancer Research</i> , 2022, 20, 1222-1232.	1.5	1
4	Combining CuAAC reaction enables sialylated Bi- and triantennary pseudo mannose N-glycans for investigating Siglec-7 interactions. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 67, 116839.	1.4	2
5	<scp>Ligand-assisted imprinting-probe-labeling</scp> strategy reveals Siglec-7 glycoprotein interactions. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 1326-1337.	0.8	1
6	A Guillain-Barré syndrome-associated SIGLEC10 rare variant impairs its recognition of gangliosides. <i>Journal of Autoimmunity</i> , 2021, 116, 102571.	3.0	10
7	Identification and functional characterization of a Siglec-7 counter-receptor on K562 cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100477.	1.6	25
8	Siglec-E retards atherosclerosis by inhibiting CD36-mediated foam cell formation. <i>Journal of Biomedical Science</i> , 2021, 28, 5.	2.6	17
9	Recent Progress in the Methodologies to Identify Physiological Ligands of Siglecs. <i>Frontiers in Immunology</i> , 2021, 12, 813082.	2.2	4
10	Siglec-15: a potential regulator of osteoporosis, cancer, and infectious diseases. <i>Journal of Biomedical Science</i> , 2020, 27, 10.	2.6	39
11	Preparation of Recombinant Siglecs and Identification of Their Ligands. <i>Methods in Molecular Biology</i> , 2020, 2132, 85-98.	0.4	7
12	Siglecs that Associate with DAP12. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1204, 215-230.	0.8	18
13	Siglec-E Retards Atherosclerosis by Inhibiting CD36-Mediated Foam Cell Formation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
14	Boronate affinity-based photoactivatable magnetic nanoparticles for the oriented and irreversible conjugation of Fc-fused lectins and antibodies. <i>Chemical Science</i> , 2019, 10, 8600-8609.	3.7	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. <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 627-636.	2.6	14
16	Chemoenzymatic Synthesis of DSGb5 and Sialylated Globo-series Glycans. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11273-11278.	7.2	14
17	Chemoenzymatic Synthesis of DSGb5 and Sialylated Globo-series Glycans. <i>Angewandte Chemie</i> , 2019, 131, 11395-11400.	1.6	1
18	HLA-B27-mediated activation of TNAP phosphatase promotes pathogenic syndesmophyte formation in ankylosing spondylitis. <i>Journal of Clinical Investigation</i> , 2019, 129, 5357-5373.	3.9	51

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19	High affinity sugar ligands of C-type lectin receptor langerin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1592-1601.	1.1	26
20	Soluble Siglec-14 glycan-recognition protein is generated by alternative splicing and suppresses myeloid inflammatory responses. <i>Journal of Biological Chemistry</i> , 2018, 293, 19645-19658.	1.6	32
21	Possible Influences of Endogenous and Exogenous Ligands on the Evolution of Human Siglecs. <i>Frontiers in Immunology</i> , 2018, 9, 2885.	2.2	26
22	The SIGLEC14 null allele is associated with <i>Mycobacterium tuberculosis</i> - and BCG-induced clinical and immunologic outcomes. <i>Tuberculosis</i> , 2017, 104, 38-45.	0.8	16
23	Identification of Siglec Ligands Using a Proximity Labeling Method. <i>Journal of Proteome Research</i> , 2017, 16, 3929-3941.	1.8	73
24	O-GlcNAcylation is required for B cell homeostasis and antibody responses. <i>Nature Communications</i> , 2017, 8, 1854.	5.8	42
25	Influence of <i>SIGLEC9</i> polymorphisms on COPD phenotypes including exacerbation frequency. <i>Respirology</i> , 2017, 22, 684-690.	1.3	27
26	Coevolution of Siglec-11 and Siglec-16 via gene conversion in primates. <i>BMC Evolutionary Biology</i> , 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. <i>Glycoconjugate Journal</i> , 2016, 33, 917-926.	1.4	5
28	Immunomodulatory activity of extracellular Hsp70 mediated via paired receptors Siglec-5 and Siglec-14. <i>EMBO Journal</i> , 2015, 34, 2775-2788.	3.5	86
29	Siglec-15 is a potential therapeutic target for postmenopausal osteoporosis. <i>Bone</i> , 2015, 71, 217-226.	1.4	46
30	Siglec Interactions with Pathogens. , 2015, , 633-642.		3
31	Therapeutic Targeting of Siglecs using Antibody- and Glycan-Based Approaches. <i>Trends in Pharmacological Sciences</i> , 2015, 36, 645-660.	4.0	84
32	Rapid evolution of binding specificities and expression patterns of inhibitory CD33-related Siglecs in primates. <i>FASEB Journal</i> , 2014, 28, 1280-1293.	0.2	71
33	Association of serum interleukin-27 with the exacerbation of chronic obstructive pulmonary disease. <i>Physiological Reports</i> , 2014, 2, e12069.	0.7	12
34	Siglec-5 and Siglec-14 are polymorphic paired receptors that modulate neutrophil and amnion signaling responses to group B <i>Streptococcus</i> . <i>Journal of Experimental Medicine</i> , 2014, 211, 1231-1242.	4.2	163
35	Associations of genetic polymorphisms of Siglecs with human diseases. <i>Glycobiology</i> , 2014, 24, 785-793.	1.3	33
36	Role of activating-type Siglecs on myeloid cell function. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2014, 3, 199-203.	0.2	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. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2463-2475.	3.1	100
38	The interaction between Siglec-15 and tumor-associated sialyl-Tn antigen enhances TGF- β secretion from monocytes/macrophages through the DAP12-Syk pathway. <i>Glycobiology</i> , 2013, 23, 178-187.	1.3	170
39	Loss of Siglec-14 reduces the risk of chronic obstructive pulmonary disease exacerbation. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3199-3210.	2.4	72
40	Evolution of Siglec-11 and Siglec-16 Genes in Hominins. <i>Molecular Biology and Evolution</i> , 2012, 29, 2073-2086.	3.5	42
41	Detection of anti- α -Siglec-14 alloantibodies in blood components implicated in nonhaemolytic transfusion reactions. <i>British Journal of Haematology</i> , 2011, 153, 794-796.	1.2	16
42	SIGLEC12, a Human-specific Segregating (Pseudo)gene, Encodes a Signaling Molecule Expressed in Prostate Carcinomas. <i>Journal of Biological Chemistry</i> , 2011, 286, 23003-23011.	1.6	48
43	Human C21orf63 is a Heparin-binding Protein. <i>Journal of Biochemistry</i> , 2009, 146, 369-373.	0.9	13
44	Deletion polymorphism of SIGLEC14 and its functional implications. <i>Glycobiology</i> , 2009, 19, 841-846.	1.3	90
45	Siglec-15: an immune system Siglec conserved throughout vertebrate evolution. <i>Glycobiology</i> , 2007, 17, 838-846.	1.3	165
46	Defining the in vivo function of Siglec-F, a CD33-related Siglec expressed on mouse eosinophils. <i>Blood</i> , 2007, 109, 4280-4287.	0.6	168
47	Molecular diversity and evolution of the Siglec family of cell-surface lectins. <i>Molecular Diversity</i> , 2006, 10, 555-566.	2.1	59
48	Siglecs—the major subfamily of I-type lectins. <i>Glycobiology</i> , 2006, 16, 1R-27R.	1.3	490
49	Discovery of Siglec-14, a novel sialic acid receptor undergoing concerted evolution with Siglec-5 in primates. <i>FASEB Journal</i> , 2006, 20, 1964-1973.	0.2	147
50	Large-scale sequencing of the CD33-related Siglec gene cluster in five mammalian species reveals rapid evolution by multiple mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13251-13256.	3.3	151
51	CD33/Siglec-3 Binding Specificity, Expression Pattern, and Consequences of Gene Deletion in Mice. <i>Molecular and Cellular Biology</i> , 2003, 23, 4199-4206.	1.1	97
52	Cloning and Characterization of Human Siglec-11. <i>Journal of Biological Chemistry</i> , 2002, 277, 24466-24474.	1.6	171
53	Chemical Diversity in the Sialic Acids and Related α -Keto Acids: An Evolutionary Perspective. <i>Chemical Reviews</i> , 2002, 102, 439-470.	23.0	1,102
54	A Second Uniquely Human Mutation Affecting Sialic Acid Biology. <i>Journal of Biological Chemistry</i> , 2001, 276, 40282-40287.	1.6	78

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55	Cloning and Characterization of a Novel Mouse Siglec, mSiglec-F. Journal of Biological Chemistry, 2001, 276, 45128-45136.	1.6	85
56	Siglec-7: a sialic acid-binding lectin of the immunoglobulin superfamily. Glycobiology, 2000, 10, 431-438.	1.3	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.	1.6	154
58	Evoked brain potentials as indicators of decision-making. Science, 1975, 187, 754-755.	6.0	113
59	Molecular Basis and Role of Siglec-7 Ligand Expression on Chronic Lymphocytic Leukemia B Cells. Frontiers in Immunology, 0, 13, .	2.2	14