Suzuki Yasuo

List of Publications by Year
in descending order

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242 papers	12,955 citations	26567 56 h-index	29081 104 g-index
248 all docs	248 docs citations	248 times ranked	9490 citing authors

#	Article	IF	Citations
1	Experimental adaptation of an influenza H5 HA confers respiratory droplet transmission to a reassortant H5 HA/H1N1 virus in ferrets. Nature, 2012, 486, 420-428.	13.7	1,290
2	Isolation of drug-resistant H5N1 virus. Nature, 2005, 437, 1108-1108.	13.7	633
3	Haemagglutinin mutations responsible for the binding of H5N1 influenza A viruses to human-type receptors. Nature, 2006, 444, 378-382.	13.7	594
4	Sialic Acid Species as a Determinant of the Host Range of Influenza A Viruses. Journal of Virology, 2000, 74, 11825-11831.	1.5	449
5	Enhanced virulence of influenza A viruses with the haemagglutinin of the 1918 pandemic virus. Nature, 2004, 431, 703-707.	13.7	434
6	Sialobiology of Influenza: Molecular Mechanism of Host Range Variation of Influenza Viruses. Biological and Pharmaceutical Bulletin, 2005, 28, 399-408.	0.6	378
7	Receptor Specificity of Influenza A Viruses Correlates with the Agglutination of Erythrocytes from Different Animal Species. Virology, 1997, 227, 493-499.	1.1	241
8	Genetics, Receptor Binding Property, and Transmissibility in Mammals of Naturally Isolated H9N2 Avian Influenza Viruses. PLoS Pathogens, 2014, 10, e1004508.	2.1	241
9	H7N9 virulent mutants detected in chickens in China pose an increased threat to humans. Cell Research, 2017, 27, 1409-1421.	5.7	209
10	Acquisition of Human-Type Receptor Binding Specificity by New H5N1 Influenza Virus Sublineages during Their Emergence in Birds in Egypt. PLoS Pathogens, 2011, 7, e1002068.	2.1	208
11	An Avian Influenza H5N1 Virus That Binds to a Human-Type Receptor. Journal of Virology, 2007, 81, 9950-9955.	1.5	188
12	Molecular basis of the structure and function of H1 hemagglutinin of influenza virus. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2012, 88, 226-249.	1.6	177
13	Limited Inhibitory Effects of Oseltamivir and Zanamivir on Human Sialidases. Antimicrobial Agents and Chemotherapy, 2008, 52, 3484-3491.	1.4	154
14	Enhanced Expression of an Î±2,6-Linked Sialic Acid on MDCK Cells Improves Isolation of Human Influenza Viruses and Evaluation of Their Sensitivity to a Neuraminidase Inhibitor. Journal of Clinical Microbiology, 2005, 43, 4139-4146.	1.8	149
15	Characterization of a human H9N2 influenza virus isolated in Hong Kong. Vaccine, 2001, 20, 125-133.	1.7	138
16	Gangliosides as influenza virus receptors. Variation of influenza viruses and their recognition of the receptor sialo-sugar chains. Progress in Lipid Research, 1994, 33, 429-457.	5.3	137
17	Structural determination of gangliosides that bind to influenza A, B, and C viruses by an improved binding assay: Strain-specific receptor epitopes in sialo-sugar chains. Virology, 1992, 189, 121-131.	1.1	131
18	Edible bird's nest extract inhibits influenza virus infection. Antiviral Research, 2006, 70, 140-146.	1.9	130

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19	Amino Acid Residues Contributing to the Substrate Specificity of the Influenza A Virus Neuraminidase. Journal of Virology, 1999, 73, 6743-6751.	1.5	126
20	Apoptosis Induction by Epigallocatechin Gallate Involves Its Binding to Fas. Biochemical and Biophysical Research Communications, 2001, 285, 1102-1106.	1.0	117
21	The changing nature of avian influenza A virus (H5N1). Trends in Microbiology, 2012, 20, 11-20.	3.5	117
22	A Lysoganglioside/Poly-L-glutamic Acid Conjugate as a Picomolar Inhibitor of Influenza Hemagglutinin. Angewandte Chemie - International Edition, 1998, 37, 1524-1528.	7.2	116
23	Receptor Specificities of Human Respiroviruses. Journal of Virology, 2001, 75, 4604-4613.	1.5	114
24	Influenza A (H5N1) Viruses from Pigs, Indonesia. Emerging Infectious Diseases, 2010, 16, 1515-1523.	2.0	113
25	A New Method for Purification of Anti-Glycosphingolipid Antibody. Avian Anti-Hematoside (NeuGc) Antibody. Journal of Biochemistry, 1983, 94, 327-330.	0.9	112
26	Chemoenzymatic synthesis and application of glycopolymers containing multivalent sialyloligosaccharides with a poly(L-glutamic acid) backbone for inhibition of infection by influenza viruses. Glycobiology, 2003, 13, 315-326.	1.3	112
27	Antigenic and Receptor Binding Properties of Enterovirus 68. Journal of Virology, 2014, 88, 2374-2384.	1.5	110
28	Antiviral activity of chondroitin sulphate E targeting dengue virus envelope protein. Antiviral Research, 2010, 88, 236-243.	1.9	103
29	Emergence of H5N1 avian influenza viruses with reduced sensitivity to neuraminidase inhibitors and novel reassortants in Lao People's Democratic Republic. Journal of General Virology, 2010, 91, 949-959.	1.3	102
30	Swine influenza virus strains recognize sialylsugar chains containing the molecular species of sialic acid predominantly present in the swine tracheal epithelium. FEBS Letters, 1997, 404, 192-196.	1.3	101
31	Oligosaccharides as Receptors for JC Virus. Journal of Virology, 2002, 76, 12992-13000.	1.5	99
32	Simple synthesis of sialyllactose-carrying polystyrene and its binding with influenza virus. Glycoconjugate Journal, 1998, 15, 1047-1054.	1.4	93
33	Gangliosides as Paramyxovirus Receptor. Structural Requirement of Sialo-Oligosaccharides in Receptors for Hemagglutinating Virus of Japan (Sendai Virus) and Newcastle Disease Virus. Journal of Biochemistry, 1985, 97, 1189-1199.	0.9	92
34	Characterization of a Human H5N1 Influenza A Virus Isolated in 2003. Journal of Virology, 2005, 79, 9926-9932.	1.5	90
35	Sialidase Activity of Influenza A Virus in an Endocytic Pathway Enhances Viral Replication. Journal of Virology, 2005, 79, 11705-11715.	1.5	89
36	H6 Influenza Viruses Pose a Potential Threat to Human Health. Journal of Virology, 2014, 88, 3953-3964.	1.5	89

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37	Sulphatide binds to human and animal influenza A viruses, and inhibits the viral infection. Biochemical Journal, 1996, 318, 389-393.	1.7	88
38	The quail and chicken intestine have sialyl-galactose sugar chains responsible for the binding of influenza A viruses to human type receptors. Glycobiology, 2007, 17, 713-724.	1.3	88
39	Glycotentacles: Synthesis of Cyclic Glycopeptides, Toward a Tailored Blocker of Influenza Virus Hemagglutinin. Angewandte Chemie - International Edition, 2003, 42, 5186-5189.	7.2	87
40	Binding kinetics of influenza viruses to sialic acid-containing carbohydrates. Glycoconjugate Journal, 2007, 24, 583-590.	1.4	85
41	Mechanisms of the action of povidone-iodine against human and avian influenza A viruses: its effects on hemagglutination and sialidase activities. Virology Journal, 2009, 6, 124.	1.4	81
42	Trisaccharide containing Î±2,3-linked sialic acid is a receptor for mumps virus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11579-11584.	3.3	79
43	Virus Infection and Lipid Rafts. Biological and Pharmaceutical Bulletin, 2006, 29, 1538-1541.	0.6	77
44	Thujaplicinâ€“copper chelates inhibit replication of human influenza viruses. Antiviral Research, 1998, 39, 89-100.	1.9	75
45	Chemoenzymatic synthesis of artificial glycopolypeptides containing multivalent sialyloligosaccharides with a Î³-polyglutamic acid backbone and their effect on inhibition of infection by influenza viruses. Bioorganic and Medicinal Chemistry, 2007, 15, 1383-1393.	1.4	69
46	Identification and Characterization of Carbohydrate Molecules in Mammalian Cells Recognized by Dengue Virus Type 2. Journal of Biochemistry, 2006, 139, 607-614.	0.9	68
47	Syntheses of C-3-Modified Sialylglycosides as Selective Inhibitors of Influenza Hemagglutinin and Neuraminidase. European Journal of Organic Chemistry, 2000, 2000, 2643-2653.	1.2	65
48	An O-glycoside of sialic acid derivative that inhibits both hemagglutinin and sialidase activities of influenza viruses. Glycobiology, 2002, 12, 183-190.	1.3	64
49	Antiviral effects of Psidium guajava Linn. (guava) tea on the growth of clinical isolated H1N1 viruses: Its role in viral hemagglutination and neuraminidase inhibition. Antiviral Research, 2012, 94, 139-146.	1.9	64
50	Isolation and Characterization of Receptor Sialoglycoprotein for Hemagglutinating Virus of Japan (Sendai Virus) from Bovine Erythrocyte Membrane1. Journal of Biochemistry, 1983, 93, 1621-1633.	0.9	63
51	Evidence for the Interaction between (â˜)-Epigallocatechin Gallate and Human Plasma Proteins Fibronectin, Fibrinogen, and Histidine-rich Glycoprotein. Bioscience, Biotechnology and Biochemistry, 1996, 60, 1317-1319.	0.6	63
52	Electrical Biosensing at Physiological Ionic Strength Using Graphene Field-Effect Transistor in Femtoliter Microdroplet. Nano Letters, 2019, 19, 4004-4009.	4.5	63
53	Inhibitory effect of epigallocatechin gallate on adhesion of murine melanoma cells to laminin. Cancer Letters, 2001, 173, 15-20.	3.2	61
54	Influenza neuraminidase operates via a nucleophilic mechanism and can be targeted by covalent inhibitors. Nature Communications, 2013, 4, 1491.	5.8	60

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55	Novel Polymerase Gene Mutations for Human Adaptation in Clinical Isolates of Avian H5N1 Influenza Viruses. PLoS Pathogens, 2016, 12, e1005583.	2.1	59
56	Human trachea primary epithelial cells express both sialyl(Î±2-3)Gal receptor for human parainfluenza virus type 1 and avian influenza viruses, and sialyl(Î±2-6)Gal receptor for human influenza viruses. Glycoconjugate Journal, 2006, 23, 101-106.	1.4	58
57	Genetic and biological properties of H7N9 avian influenza viruses detected after application of the H7N9 poultry vaccine in China. PLoS Pathogens, 2021, 17, e1009561.	2.1	58
58	Antigenic alteration of influenza B virus associated with loss of a glycosylation site due to host-cell adaptation. Journal of Medical Virology, 2004, 74, 336-343.	2.5	57
59	Sulfatide Is Required for Efficient Replication of Influenza A Virus. Journal of Virology, 2008, 82, 5940-5950.	1.5	57
60	New ganglioside analogs that inhibit influenze virus sialidase. Glycoconjugate Journal, 1990, 7, 349-356.	1.4	56
61	Chemoenzymatic synthesis, characterization, and application of glycopolymers carrying lactosamine repeats as entry inhibitors against influenza virus infection. Glycobiology, 2008, 18, 779-788.	1.3	56
62	Substitution of amino acid residue in influenza A virus hemagglutinin affects recognition of sialyl-oligosaccharides containingN-glycolylneuraminic acid. FEBS Letters, 1999, 464, 71-74.	1.3	51
63	Novel H5N6 reassortants bearing the clade 2.3.4.4b HA gene of H5N8 virus have been detected in poultry and caused multiple human infections in China. Emerging Microbes and Infections, 2022, 11, 1174-1185.	3.0	51
64	Chemoenzymatic synthesis and application of a sialoglycopolymer with a chitosan backbone as a potent inhibitor of human influenza virus hemagglutination. Carbohydrate Research, 2006, 341, 1803-1808.	1.1	50
65	In Vitro Inhibition of Human Influenza A Virus Infection by Fruit-Juice Concentrate of Japanese Plum (Prunus mume SIEB. et ZUCC). Biological and Pharmaceutical Bulletin, 2008, 31, 511-515.	0.6	50
66	N-Glycans from Porcine Trachea and Lung: Predominant NeuAcÎ±2-6Gal Could Be a Selective Pressure for Influenza Variants in Favor of Human-Type Receptor. PLoS ONE, 2011, 6, e16302.	1.1	50
67	Effects of catechins on the mouse lung carcinoma cell adhesion to the endothelial cells.. Cell Biology International, 1993, 17, 559-564.	1.4	47
68	The expression of sialylated high-antennary N-glycans in edible birdâ€™s nest. Carbohydrate Research, 2008, 343, 1373-1377.	1.1	47
69	Evolution and extensive reassortment of H5 influenza viruses isolated from wild birds in China over the past decade. Emerging Microbes and Infections, 2020, 9, 1793-1803.	3.0	47
70	Syntheses and biological evaluations of carbosilane dendrimers uniformly functionalized with sialyl Î±(2â†'3) lactose moieties as inhibitors for human influenza viruses. Bioorganic and Medicinal Chemistry, 2009, 17, 5465-5475.	1.4	46
71	Identification of Glycosphingolipid Receptors for Pierisin-1, a Guanine-specific ADP-ribosylating Toxin from the Cabbage Butterfly. Journal of Biological Chemistry, 2003, 278, 9972-9978.	1.6	45
72	Systematic syntheses of influenza neuraminidase inhibitors: A series of carbosilane dendrimers uniformly functionalized with thioglycoside-type sialic acid moieties. Bioorganic and Medicinal Chemistry, 2009, 17, 5451-5464.	1.4	45

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73	The hemagglutinins of the human influenza viruses A and B recognize different receptor microdomains. Biochimica Et Biophysica Acta - Biomembranes, 1987, 903, 417-424.	1.4	44
74	Inhibition of infection with human immunodeficiency virus type 1 by sulfated gangliosides. Biochemical and Biophysical Research Communications, 1991, 175, 1-9.	1.0	44
75	Analysis of N-glycans in embryonated chicken egg chorioallantoic and amniotic cells responsible for binding and adaptation of human and avian influenza viruses. Glycoconjugate Journal, 2009, 26, 433-443.	1.4	44
76	Sensitive enzyme-immunostaining and densitometric determination of ganglio-series gangliosides on thin-layer plate: pmol detection of gangliosides in cerebrospinal fluid. Lipids and Lipid Metabolism, 1986, 876, 178-182.	2.6	43
77	Developmentally expressed O-acetyl ganglioside GT3 in fetal rat cerebral cortex. Neuroscience Letters, 1989, 106, 193-198.	1.0	43
78	Alterations in receptor-binding properties of swine influenza viruses of the H1 subtype after isolation in embryonated chicken eggs. Journal of General Virology, 2010, 91, 938-948.	1.3	43
79	Genetics, Receptor Binding, and Virulence in Mice of H10N8 Influenza Viruses Isolated from Ducks and Chickens in Live Poultry Markets in China. Journal of Virology, 2015, 89, 6506-6510.	1.5	43
80	Genetics, Receptor Binding, Replication, and Mammalian Transmission of H4 Avian Influenza Viruses Isolated from Live Poultry Markets in China. Journal of Virology, 2016, 90, 1455-1469.	1.5	43
81	Cerebroside Sulfotransferase Deficiency Ameliorates L-selectin-dependent Monocyte Infiltration in the Kidney after Ureteral Obstruction. Journal of Biological Chemistry, 2004, 279, 2085-2090.	1.6	41
82	Characterization of H5N1 Influenza Virus Variants with Hemagglutinin Mutations Isolated from Patients. MBio, 2015, 6, .	1.8	41
83	Influence of Glycosylation on the Efficacy of an Env-Based Vaccine against Simian Immunodeficiency Virus SIVmac239 in a Macaque AIDS Model. Journal of Virology, 2005, 79, 10386-10396.	1.5	40
84	Thiosialoside clusters using carbosilane dendrimer core scaffolds as a new class of influenza neuraminidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 717-721.	1.0	40
85	Development of a novel method for determination of acetyl-CoA:1-alkyl-sn-glycero-3-phosphocholine acetyltransferase activity and its application to screening for acetyltransferase inhibitors. Biochemical Pharmacology, 1994, 47, 995-1006.	2.0	39
86	Synthesis and anti-influenza virus activity of novel glycopolymers having triantennary oligosaccharide branches. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3000-3005.	1.3	39
87	Neuronal and vascular pathology produced by verocytotoxin 2 in the rabbit central nervous system. Acta Neuropathologica, 1996, 91, 254-262.	3.9	38
88	Clarithromycin Inhibits Progeny Virus Production from Human Influenza Virus-Infected Host Cells. Biological and Pharmaceutical Bulletin, 2008, 31, 217-222.	0.6	38
89	Mumefural and related HMF derivatives from Japanese apricot fruit juice concentrate show multiple inhibitory effects on pandemic influenza A (H1N1) virus. Food Chemistry, 2011, 127, 1-9.	4.2	38
90	Action of ortho- and paramyxovirus neuraminidase on gangliosides. Lipids and Lipid Metabolism, 1980, 619, 632-639.	2.6	35

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91	Changes in H3 influenza A virus receptor specificity during replication in humans. Virus Research, 1998, 56, 169-176.	1.1	35
92	Glycan-functionalized graphene-FETs toward selective detection of human-infectious avian influenza virus. Japanese Journal of Applied Physics, 2017, 56, 030302.	0.8	34
93	Purification and characterization of a soluble recombinant human ST6Gal I functionally expressed in Escherichia coli. Glycoconjugate Journal, 2005, 22, 1-11.	1.4	33
94	Ganglioside GM1b as an influenza virus receptor. Vaccine, 1985, 3, 201-203.	1.7	32
95	H3N2 avian influenza viruses detected in live poultry markets in China bind to human-type receptors and transmit in guinea pigs and ferrets. Emerging Microbes and Infections, 2019, 8, 1280-1290.	3.0	32
96	Synthesis of 2-deoxy-2,3-didehydro-N-acetylneuraminic acid analogues modified at the C-4 and C-9 positions and their behaviour towards sialidase from influenza virus and pig liver membrane. Carbohydrate Research, 2001, 330, 31-41.	1.1	31
97	Inhibition of human parainfluenza virus type 1 sialidase by analogs of 2-deoxy-2,3-didehydro-N-acetylneuraminic acid. Glycoconjugate Journal, 2001, 18, 331-337.	1.4	31
98	Identification of Stabilizing Mutations in an H5 Hemagglutinin Influenza Virus Protein. Journal of Virology, 2016, 90, 2981-2992.	1.5	31
99	Nâ€glycan structures of human alveoli provide insight into influenza A virus infection and pathogenesis. FEBS Journal, 2018, 285, 1611-1634.	2.2	31
100	Sialosyl cholesterol induces morphological and biochemical differentiations of glioblasts without intracellular cyclic AMP level rise. Brain Research, 1988, 438, 277-285.	1.1	30
101	Comprehensive analysis of monoclonal antibodies against detergent-insoluble membrane/lipid rafts of HL60 cells. Journal of Immunological Methods, 2006, 311, 106-116.	0.6	30
102	Sialyl Î±(2 â†' 3) lactose clusters using carbosilane dendrimer core scaffolds as influenza hemagglutinin blockers. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4405-4408.	1.0	30
103	Adaptation of a Duck Influenza A Virus in Quail. Journal of Virology, 2012, 86, 1411-1420.	1.5	30
104	Incorporation of Sialoglycoprotein Containing Lacto-Series Oligosaccharides into Chicken Asialoerythrocyte Membranes and Restoration of Receptor Activity toward Hemagglutinating Virus of Japan (Sendai Virus). Journal of Biochemistry, 1984, 95, 1193-1200.	0.9	29
105	A molecular mechanism for the low-pH stability of sialidase activity of influenza A virus N2 neuraminidases1. FEBS Letters, 2003, 543, 71-75.	1.3	29
106	Influenza viral hemagglutinin complicated shape is advantageous to its binding affinity for sialosaccharide receptor. Biochemical and Biophysical Research Communications, 2007, 355, 6-9.	1.0	29
107	A simple screening assay for receptor switching of avian influenza viruses. Journal of Clinical Virology, 2008, 42, 186-189.	1.6	29
108	Lactotriaose-containing carbosilane dendrimers: Syntheses and lectin-binding activities. Bioorganic and Medicinal Chemistry, 2007, 15, 1606-1614.	1.4	28

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109	Pandemic threat posed by H3N2 avian influenza virus. Science China Life Sciences, 2021, 64, 1984-1987.	2.3	28
110	Release of acetylhydrolase from platelets on aggregation with platelet-activating factor. FEBS Journal, 1988, 172, 117-120.	0.2	27
111	.BETA.-Thujaplicin Zinc Chelate Induces Apoptosis in Mouse High Metastatic Melanoma B16BL6 Cells.. Biological and Pharmaceutical Bulletin, 1998, 21, 1258-1262.	0.6	27
112	Identification of amino acid residues of influenza A virus H3 HA contributing to the recognition of molecular species of sialic acid. FEBS Letters, 2009, 583, 3171-3174.	1.3	26
113	Functional and Structural Analysis of Influenza Virus Neuraminidase N3 Offers Further Insight into the Mechanisms of Oseltamivir Resistance. Journal of Virology, 2013, 87, 10016-10024.	1.5	26
114	Characterization of Clade 7.2 H5 Avian Influenza Viruses That Continue To Circulate in Chickens in China. Journal of Virology, 2016, 90, 9797-9805.	1.5	26
115	A Single-Amino-Acid Substitution at Position 225 in Hemagglutinin Alters the Transmissibility of Eurasian Avian-Like H1N1 Swine Influenza Virus in Guinea Pigs. Journal of Virology, 2017, 91, .	1.5	25
116	Diversity of Influenza A(H5N1) Viruses in Infected Humans, Northern Vietnam, 2004â€“2010. Emerging Infectious Diseases, 2018, 24, 1128-1238.	2.0	25
117	Influenza A Virus-Binding Activity of Glycoglycerolipids of Aquatic Bacteria. Journal of Biochemistry, 2000, 127, 191-198.	0.9	24
118	Novel linear polymers bearing thiosialosides as pendant-type epitopes for influenza neuraminidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 3826-3830.	1.0	24
119	Ab initio fragment molecular orbital studies of influenza virus hemagglutininâ€“sialosaccharide complexes toward chemical clarification about the virus host range determination. Glycoconjugate Journal, 2008, 25, 805-815.	1.4	24
120	Protection of Macaques with Diverse MHC Genotypes against a Heterologous SIV by Vaccination with a Deglycosylated Live-Attenuated SIV. PLoS ONE, 2010, 5, e11678.	1.1	24
121	The Low-pH Stability Discovered in Neuraminidase of 1918 Pandemic Influenza A Virus Enhances Virus Replication. PLoS ONE, 2010, 5, e15556.	1.1	24
122	A novel immunochromatographic system for easy-to-use detection of group 1 avian influenza viruses with acquired human-type receptor binding specificity. Biosensors and Bioelectronics, 2015, 65, 211-219.	5.3	24
123	Genetic Compatibility of Reassortants between Avian H5N1 and H9N2 Influenza Viruses with Higher Pathogenicity in Mammals. Journal of Virology, 2019, 93, .	1.5	24
124	Sialidase of swine influenza A viruses: variation of the recognition specificities for sialyl linkages and for the molecular species of sialic acid with the year of isolation. Glycoconjugate Journal, 1995, 12, 156-161.	1.4	23
125	Effects of Catechins on the Mouse Tumor Cell Adhesion to Fibronectin. Planta Medica, 1995, 61, 472-474.	0.7	23
126	Dengue virus type 2 recognizes the carbohydrate moiety of neutral glycosphingolipids in mammalian and mosquito cells. Microbiology and Immunology, 2011, 55, 135-140.	0.7	23

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127	A Novel Potent and Highly Specific Inhibitor against Influenza Viral N1â€“N9 Neuraminidases: Insight into Neuraminidaseâ€“Inhibitor Interactions. Journal of Medicinal Chemistry, 2016, 59, 4563-4577.	2.9	23
128	Specificity of Sialyl-Sugar Chain Mediated Recognition by the Hemagglutinin of Human Influenza B Virus Isolates1. Journal of Biochemistry, 1994, 115, 202-207.	0.9	22
129	Expression of neolactoglycolipids: sialosyl-, disialosyl-,O-acetyldisialosyl- and fucosyl- derivatives of neolactotetraosyl ceramide and neolactohexaosyl ceramide in the developing cerebral cortex and cerebellum. Glycoconjugate Journal, 1996, 13, 295-305.	1.4	22
130	Design and synthesis of artificial phospholipid for selective cleavage of integral membrane protein. Chemical Communications, 2005, , 4575.	2.2	22
131	Synthesis and evaluation of 4-O-alkylated 2-deoxy-2,3-didehydro-N-acetylneuraminic acid derivatives as inhibitors of human parainfluenza virus type-3 sialidase activity. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1655-1658.	1.0	22
132	Identification of a key amino acid in hemagglutinin that increases human-type receptor binding and transmission of an H6N2 avian influenzaÂvirus. Microbes and Infection, 2017, 19, 655-660.	1.0	22
133	Design of N-acetyl-6-sulfo-Î²-d-glucosaminide-based inhibitors of influenza virus sialidase. Bioorganic and Medicinal Chemistry, 2004, 12, 1367-1375.	1.4	21
134	6SLN-lipo PGA specifically catches (coats) human influenza virus and synergizes neuraminidase-targeting drugs for human influenza therapeutic potential. Journal of Antimicrobial Chemotherapy, 2015, 70, 2797-2809.	1.3	21
135	Inactivation Effect of Tea Leaf Catechins on Human Type-A Influenza Virus.. Japanese Journal of Toxicology and Environmental Health, 1997, 43, 311-315.	0.1	20
136	Establishment of a monoclonal antibody directed against Gb3Cer/CD77: a useful immunochemical reagent for a differentiation marker in Burkitt's lymphoma and germinal centre B cells. Glycoconjugate Journal, 1997, 14, 379-388.	1.4	20
137	Characterization of gangliosides of porcine erythrocyte membranes: Occurrence of ganglioside GD3 as major ganglioside. Lipids, 1985, 20, 588-593.	0.7	19
138	Anti-ganglioside GD1a monoclonal antibody recognizes senile plaques in the brains of patients with Alzheimer-type dementia. Neuroscience Research, 1993, 17, 171-176.	1.0	19
139	Inhibition of influenza A virus sialidase activity by sulfatide. FEBS Letters, 2003, 553, 355-359.	1.3	19
140	Chemoenzymatic synthesis of an N-acetylneuraminic acid analogue having a carbamoylmethyl group at C-4 as an inhibitor of sialidase from influenza virus. Carbohydrate Research, 1998, 312, 183-189.	1.1	18
141	Development of recombinant B subunit of Shiga-like toxin 1 as a probe to detect carbohydrate ligands in immunochemical and flowcytometric application. Glycoconjugate Journal, 1999, 16, 697-705.	1.4	18
142	Inactivation of Human Type A and B Influenza Viruses by Tea-Seed Saponins. Bioscience, Biotechnology and Biochemistry, 2000, 64, 184-186.	0.6	18
143	Ruthenium complexes carrying a disialo complex-type oligosaccharide: enzymatic synthesis and its application to a luminescent probe to detect influenza viruses. Chemical Communications, 2003, , 1250-1251.	2.2	18
144	Evolutional analysis of human influenza A virus N2 neuraminidase genes based on the transition of the low-pH stability of sialidase activity1. FEBS Letters, 2004, 557, 228-232.	1.3	18

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145	Molecular Basis of a Pandemic of Avian-Type Influenza Virus. Methods in Molecular Biology, 2014, 1200, 447-480.	0.4	17
146	Occurrence of O-Glycosidically Peptide-Linked Oligosaccharides of Poly-N-Acetyllactosamine Type (Erythroglycan II) in the I-Antigenically Active Sendai Virus Receptor Sialoglycoprotein GP-2. Journal of Biochemistry, 1985, 98, 1653-1659.	0.9	16
147	Cell membrane changes in brains manifesting senile plaques: an immunohistochemical study of GM1 membranous ganglioside. Brain Research, 1990, 522, 152-156.	1.1	16
148	Continuous binding of the PAF molecule to its receptor is necessary for the long-term aggregation of platelets. American Journal of Physiology - Cell Physiology, 1998, 274, C47-C57.	2.1	16
149	Engagement of endogenous ganglioside GM1a induces tyrosine phosphorylation involved in neuron-like differentiation of PC12 cells. Glycobiology, 2001, 11, 335-343.	1.3	16
150	Suppression of the Biosynthesis of Cellular Sphingolipids Results in the Inhibition of the Maturation of Influenza Virus Particles in MDCK Cells. Biological and Pharmaceutical Bulletin, 2006, 29, 1575-1579.	0.6	16
151	Characterization of H5N1 Influenza Virus Quasispecies with Adaptive Hemagglutinin Mutations from Single-Virus Infections of Human Airway Cells. Journal of Virology, 2018, 92, .	1.5	16
152	Hydrazinolysis of Glycosphingolipids. A New Method for Preparation of N-Deacylated (Lyso) Glycosphingolipids. Journal of Biochemistry, 1984, 95, 1219-1222.	0.9	15
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