

# Robert K Yu

## List of Publications by Year in descending order

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196  
papers

9,663  
citations

44069

48  
h-index

46799

89  
g-index

200  
all docs

200  
docs citations

200  
times ranked

7459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in smooth muscle $\alpha$ -actin (ACTA2) lead to thoracic aortic aneurysms and dissections. <i>Nature Genetics</i> , 2007, 39, 1488-1493.	21.4	767
2	[10] Gangliosides: Structure, isolation, and analysis. <i>Methods in Enzymology</i> , 1982, 83, 139-191.	1.0	631
3	Gangliosides of human, bovine, and rabbit plasma. <i>Journal of Lipid Research</i> , 1972, 13, 680-686.	4.2	331
4	Structures, Biosynthesis, and Functions of Gangliosides-an Overview. <i>Journal of Oleo Science</i> , 2011, 60, 537-544.	1.4	309
5	Developmental Changes in Ganglioside Composition and Synthesis in Embryonic Rat Brain. <i>Journal of Neurochemistry</i> , 1988, 50, 1825-1829.	3.9	276
6	The role of glycosphingolipid metabolism in the developing brain. <i>Journal of Lipid Research</i> , 2009, 50, S440-S445.	4.2	219
7	GD3 ganglioside is a glycolipid characteristic of immature neuroectodermal cells. <i>Journal of Neuroimmunology</i> , 1984, 7, 179-192.	2.3	193
8	Developmental changes of glycosphingolipids and expression of glycoconjugates in mouse brains. <i>Journal of Neurochemistry</i> , 2007, 103, 2327-2341.	3.9	184
9	Calcium/Ganglioside-Dependent Protein Kinase Activity in Rat Brain Membrane. <i>Journal of Neurochemistry</i> , 1985, 44, 1229-1234.	3.9	176
10	Functional Roles of Gangliosides in Neurodevelopment: An Overview of Recent Advances. <i>Neurochemical Research</i> , 2012, 37, 1230-1244.	3.3	168
11	Chromosome 7p11.2 (EGFR) variation influences glioma risk. <i>Human Molecular Genetics</i> , 2011, 20, 2897-2904.	2.9	158
12	Regulation of ganglioside biosynthesis in the nervous system. <i>Journal of Lipid Research</i> , 2004, 45, 783-793.	4.2	146
13	Antiganglioside antibodies and their pathophysiological effects on Guillain-Barre syndrome and related disorders--A review. <i>Glycobiology</i> , 2009, 19, 676-692.	2.5	138
14	STALOSYLGALACTOSYL CERAMIDE AS A SPECIFIC MARKER FOR HUMAN MYELIN AND OLIGODENDROGLIAL PERIKARYA: GANGLIOSIDES OF HUMAN MYELIN, OLIGODENDROGLIA AND NEURONS. <i>Journal of Neurochemistry</i> , 1979, 32, 293-300.	3.9	137
15	The expression and functions of glycoconjugates in neural stem cells. <i>Glycobiology</i> , 2007, 17, 57R-74R.	2.5	121
16	Elimination of GD3 synthase improves memory and reduces amyloid- $\beta$ plaque load in transgenic mice. <i>Neurobiology of Aging</i> , 2009, 30, 1777-1791.	3.1	118
17	Ganglioside Molecular Mimicry and Its Pathological Roles in Guillain-Barre Syndrome and Related Diseases. <i>Infection and Immunity</i> , 2006, 74, 6517-6527.	2.2	116
18	Structures of Some New Complex Gangliosides of Fish Brain. <i>Advances in Experimental Medicine and Biology</i> , 1980, 125, 33-45.	1.6	116

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19	CEREBRAL, CEREBELLAR, AND BRAIN STEM GANGLIOSIDES IN MICE SUSCEPTIBLE TO AUDIOGENIC SEIZURES. <i>Journal of Neurochemistry</i> , 1978, 31, 21-27.	3.9	113
20	The monoclonal antibody A2B5 is specific to ganglioside GQ1c. <i>Brain Research</i> , 1983, 277, 155-158.	2.2	110
21	Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets. <i>Journal of Nutrition</i> , 2016, 146, 200-208.	2.9	109
22	Role of proteoglycans and glycosaminoglycans in the pathogenesis of Alzheimer's disease and related disorders: Amyloidogenesis and therapeutic strategies—A review. <i>Journal of Neuroscience Research</i> , 2010, 88, 2303-2315.	2.9	102
23	Interaction of ganglioside GD3 with an EGF receptor sustains the self-renewal ability of mouse neural stem cells in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19137-19142.	7.1	99
24	Complete analysis of oligosaccharide primary structure using two-dimensional high-field proton NMR. <i>Journal of the American Chemical Society</i> , 1982, 104, 4993-4995.	13.7	85
25	Differential Cellular Enrichment of Gangliosides in the Mouse Cerebellum: Analysis Using Neurological Mutants. <i>Journal of Neurochemistry</i> , 1982, 38, 551-559.	3.9	85
26	Regulation of Apoptosis during Neuronal Differentiation by Ceramide and b-Series Complex Gangliosides. <i>Journal of Biological Chemistry</i> , 2001, 276, 44396-44404.	3.4	83
27	Characterization of GD3 ganglioside as a novel biomarker of mouse neural stem cells. <i>Glycobiology</i> , 2010, 20, 78-86.	2.5	75
28	Lipid composition of PC12 pheochromocytoma cells: characterization of globoside as a major neutral glycolipid. <i>Biochemistry</i> , 1988, 27, 52-58.	2.5	73
29	Lipid and Protein Alterations of Spinal Cord and Cord Myelin of Multiple Sclerosis. <i>Journal of Neurochemistry</i> , 1982, 39, 464-477.	3.9	70
30	Myelin Gangliosides in Vertebrates. <i>Journal of Neurochemistry</i> , 1982, 39, 773-779.	3.9	67
31	High-Resolution Proton NMR Studies of Gangliosides. III. Elucidation of the Structure of Ganglioside GM3 Lactone. <i>Journal of Biochemistry</i> , 1985, 98, 1367-1373.	1.7	66
32	Differentiation of radial glia-like cells from embryonic stem cells. <i>Glia</i> , 2003, 42, 109-117.	4.9	66
33	GENETIC ANALYSIS OF AUDIOGENIC SEIZURE SUSCEPTIBILITY IN C57BL/6J x DBA/2J RECOMBINANT INBRED STRAINS OF MICE. <i>Genetics</i> , 1980, 94, 701-718.	2.9	62
34	Cellular Distribution of Gangliosides in the Developing Mouse Cerebellum: Analysis Using the Staggerer Mutant. <i>Journal of Neurochemistry</i> , 1984, 43, 1152-1162.	3.9	60
35	Ganglioside GD3 Is Required for Neurogenesis and Long-Term Maintenance of Neural Stem Cells in the Postnatal Mouse Brain. <i>Journal of Neuroscience</i> , 2014, 34, 13790-13800.	3.6	60
36	Antibodies to Heteromeric Glycolipid Complexes in Guillain-Barré Syndrome. <i>PLoS ONE</i> , 2013, 8, e82337.	2.5	60

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37	Characterization of glycoconjugate antigens in mouse embryonic neural precursor cells. <i>Journal of Neurochemistry</i> , 2005, 95, 1311-1320.	3.9	59
38	Ganglioside-basic protein interaction: Protection of gangliosides against neuraminidase action. <i>Journal of Neuroscience Research</i> , 1983, 9, 401-412.	2.9	57
39	Subcellular Localization of Sulfated Glucuronic Acid-Containing Glycolipids Reacting with Anti-Myelin-Associated Glycoprotein Antibody. <i>Journal of Neurochemistry</i> , 1987, 48, 1516-1522.	3.9	57
40	Antibodies to sulfated glucuronic acid containing glycosphingolipids in neuropathy associated with anti-MAG antibodies and in normal subjects. <i>Journal of Neuroimmunology</i> , 1988, 17, 119-126.	2.3	57
41	Screening and sequencing of complex sialylated and sulfated glycosphingolipid mixtures by negative ion electrospray Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 571-580.	2.8	56
42	Differential Effects of Glycolipid Biosynthesis Inhibitors on Ceramide-Induced Cell Death in Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 2008, 72, 1040-1049.	3.9	56
43	X-Chromosome Genetic Association Test Accounting for X-Inactivation, Skewed X-Inactivation, and Escape from X-Inactivation. <i>Genetic Epidemiology</i> , 2014, 38, 483-493.	1.3	56
44	Lewis X-carrying N-Glycans Regulate the Proliferation of Mouse Embryonic Neural Stem Cells via the Notch Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 24356-24364.	3.4	54
45	Preparation and Characterization of Antibodies Against a Sulfated Glucuronic Acid-Containing Glycosphingolipid. <i>Journal of Neurochemistry</i> , 1988, 51, 869-877.	3.9	53
46	Ganglioside Analysis by High-Performance Thin-Layer Chromatography. <i>Methods in Enzymology</i> , 2000, 312, 115-134.	1.0	52
47	Expression of GD2 and GD3 Gangliosides in Human Embryonic Neural Stem Cells. <i>ASN Neuro</i> , 2011, 3, AN20110006.	2.7	52
48	Down-regulation of WNK1 protein kinase in neural progenitor cells suppresses cell proliferation and migration. <i>Journal of Neurochemistry</i> , 2006, 99, 1114-1121.	3.9	51
49	Autoimmune mechanisms in peripheral neuropathies. <i>Annals of Neurology</i> , 1990, 27, S30-S35.	5.3	50
50	Alterations of Protein Kinase C in Rat Hippocampus Following Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 1993, 10, 287-295.	3.4	49
51	Intracerebral transplantation of neural stem cells combined with trehalose ingestion alleviates pathology in a mouse model of Huntington's disease. <i>Journal of Neuroscience Research</i> , 2009, 87, 26-33.	2.9	49
52	Antiglycolipid antibodies in Guillain-Barré syndrome and related diseases: Review of clinical features and antibody specificities. <i>Journal of Neuroscience Research</i> , 2005, 80, 1-17.	2.9	48
53	Systemic Hypertension Requiring Treatment in the Neonatal Intensive Care Unit. <i>Journal of Pediatrics</i> , 2013, 163, 84-88.	1.8	48
54	Reduced cell migration, tumor growth and experimental metastasis of rat F-11 cells whose expression of GD3-synthase is suppressed. <i>International Journal of Cancer</i> , 2000, 88, 53-57.	5.1	47

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55	Histone acetylation-mediated glycosyltransferase gene regulation in mouse brain during development. <i>Journal of Neurochemistry</i> , 2011, 116, 874-880.	3.9	47
56	A convenient method for the preparation of asialo-GM1. <i>Lipids</i> , 1982, 17, 107-110.	1.7	46
57	Genetic variability for regional brain gangliosides in five strains of young mice. <i>Biochemical Genetics</i> , 1979, 17, 43-55.	1.7	44
58	Ganglioside GD3 lactones: polar head group-mediated control of the intermolecular organization. <i>Biochemistry</i> , 1990, 29, 8729-8734.	2.5	44
59	Down-Regulation of GD3 Ganglioside and Its O-Acetylated Derivative by Stable Transfection with Antisense V. <i>Journal of Neurochemistry</i> , 2001, 74, 547-554.	3.9	44
60	Genome-Wide High-Density SNP Linkage Search for Glioma Susceptibility Loci: Results from the Gliogene Consortium. <i>Cancer Research</i> , 2011, 71, 7568-7575.	0.9	44
61	Incorporation of N-Acetylmannosamine into Rat Brain Subcellular Gangliosides: Effect of Pentylene-tetrazol-Induced Convulsions on Brain Gangliosides. <i>Journal of Neurochemistry</i> , 1980, 34, 560-568.	3.9	43
62	GM1 inhibits amyloid beta-protein-induced cytokine release. <i>Neurochemical Research</i> , 1999, 24, 219-226.	3.3	43
63	Adenovirus-mediated Bak gene transfer induces apoptosis in mesothelioma cell lines. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001, 121, 61-67.	0.8	43
64	Regulation of Sialyltransferase Activities by Phosphorylation and Dephosphorylation. <i>Journal of Neurochemistry</i> , 2002, 64, 2295-2302.	3.9	43
65	Isolation and characterization of ganglioside 9-O-acetyl-GD3 from bovine buttermilk. <i>Lipids</i> , 1989, 24, 680-684.	1.7	42
66	Epigenetic activation of mouse ganglioside synthase genes: implications for neurogenesis. <i>Journal of Neurochemistry</i> , 2014, 128, 101-110.	3.9	42
67	Myelin Gangliosides: An Unusual Pattern in the Avian Central Nervous System. <i>Journal of Neurochemistry</i> , 1981, 36, 696-702.	3.9	41
68	Analysis of the antibody response to immunization with purified O-acetyl GD3 gangliosides in patients with malignant melanoma. <i>International Journal of Cancer</i> , 1995, 62, 668-672.	5.1	41
69	Membrane glycolipids in stem cells. <i>FEBS Letters</i> , 2010, 584, 1694-1699.	2.8	41
70	The Role of Glycosphinglipids in Neurological Disorders: Mechanisms of Immune Action. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 285-306.	3.8	40
71	Alteration of Ganglioside Composition by Stable Transfection with Antisense Vectors against GD3-Synthase Gene Expression. <i>Biochemistry</i> , 1999, 38, 8762-8769.	2.5	40
72	Declining awareness of HPV and HPV vaccine within the general US population. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 420-427.	3.3	40

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73	Autoradiography of Ganglioside Antigens Separated by High-Performance. Thin-Layer Chromatography with Their Antibodies1. <i>Journal of Biochemistry</i> , 1984, 96, 261-264.	1.7	39
74	Expression of gangliosides in neuronal development of P19 embryonal carcinoma stem cells. <i>Journal of Neuroscience Research</i> , 2000, 62, 363-373.	2.9	39
75	Further characterization of embryonic stem cell-derived radial glial cells. <i>Glia</i> , 2006, 53, 43-56.	4.9	39
76	O-acetylated N-acetylneuraminic acid as a novel target for therapy in human pre-B acute lymphoblastic leukemia. <i>Journal of Experimental Medicine</i> , 2013, 210, 805-819.	8.5	39
77	The Pathological Roles of Ganglioside Metabolism in Alzheimer's Disease: Effects of Gangliosides on Neurogenesis. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-14.	2.0	38
78	Role of Myelin-Associated Neuraminidase in the Ganglioside Metabolism of Rat Brain Myelin. <i>Journal of Neurochemistry</i> , 1992, 58, 83-87.	3.9	37
79	Activities of Five Different Sialyltransferases in Fish and Rat Brains. <i>Journal of Neurochemistry</i> , 1994, 62, 1965-1973.	3.9	37
80	Regulation of Ganglioside Metabolism by Phosphorylation and Dephosphorylation. <i>Journal of Neurochemistry</i> , 1998, 71, 972-979.	3.9	36
81	Epigenetic regulation of ganglioside expression in neural stem cells and neuronal cells. <i>Glycoconjugate Journal</i> , 2017, 34, 749-756.	2.7	36
82	Combinatorial PCR approach to homology-based cloning: cloning and expression of mouse and human GM3-synthase. <i>Glycoconjugate Journal</i> , 1999, 16, 337-350.	2.7	35
83	Down-Regulation of the Expression of O-Acetyl-CD3 by the O-Acetyltransferase cDNA in Hamster Melanoma Cells. <i>Journal of Neurochemistry</i> , 2008, 72, 954-961.	3.9	35
84	Finding factors influencing risk: Comparing Bayesian stochastic search and standard variable selection methods applied to logistic regression models of cases and controls. <i>Statistics in Medicine</i> , 2008, 27, 6158-6174.	1.6	35
85	GM1 Ganglioside is Involved in Epigenetic Activation Loci of Neuronal Cells. <i>Neurochemical Research</i> , 2016, 41, 107-115.	3.3	35
86	Sialidase Activity in Nuclear Membranes of Rat Brain. <i>Journal of Neurochemistry</i> , 2002, 66, 2205-2208.	3.9	34
87	Heterosis for brain myelin content in mice. <i>Biochemical Genetics</i> , 1980, 18, 1229-1238.	1.7	33
88	Glycosignaling in neural stem cells: involvement of glycoconjugates in signal transduction modulating the neural stem cell fate. <i>Journal of Neurochemistry</i> , 2007, 103, 39-46.	3.9	33
89	A Genome-Wide Association Study Identifies Two Novel Susceptible Regions for Squamous Cell Carcinoma of the Head and Neck. <i>Cancer Research</i> , 2020, 80, 2451-2460.	0.9	33
90	Modulation of phospholipases A <sub>2</sub> and C activities against dilauroylphosphorylcholine in mixed monolayers with semisynthetic derivatives of ganglioside and sphingosine. <i>Molecular Membrane Biology</i> , 1994, 11, 119-126.	2.0	32

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91	Preliminary studies on sensitization of Lewis rats with sulfated glucuronyl paragloboside. <i>Brain Research</i> , 1991, 541, 257-264.	2.2	30
92	Recent studies on the roles of antiglycosphingolipids in the pathogenesis of neurological disorders. <i>Journal of Neuroscience Research</i> , 2001, 65, 363-370.	2.9	30
93	Involvement of gangliosides in proliferation of immortalized neural progenitor cells. <i>Journal of Neurochemistry</i> , 2004, 91, 804-812.	3.9	30
94	Cloning and Transcriptional Regulation of Genes Responsible for Synthesis of Gangliosides. <i>Current Drug Targets</i> , 2008, 9, 317-324.	2.1	30
95	Gangliosides in Nerve Cell Specification. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 156, 241-263.	1.7	30
96	O-linked N-acetylglucosaminylation in mouse embryonic neural precursor cells. <i>Journal of Neuroscience Research</i> , 2009, 87, 3535-3545.	2.9	29
97	Amyloid $\beta$ -Peptide 42 Modulates the Proliferation of Mouse Neural Stem Cells: Upregulation of Fucosyltransferase IX and Notch Signaling. <i>Molecular Neurobiology</i> , 2014, 50, 186-196.	4.0	28
98	Identification of Small and Non-Small Cell Lung Cancer Markers in Peripheral Blood Using Cytokinesis-Blocked Micronucleus and Spectral Karyotyping Assays. <i>Cytogenetic and Genome Research</i> , 2017, 152, 122-131.	1.1	28
99	Sulfated Glucuronyl Paragloboside in Rat Brain Microvessels. <i>Journal of Neurochemistry</i> , 1990, 55, 577-582.	3.9	27
100	Presence of a Cyclic AMP Response Element-Binding Protein in Oligodendrocytes. <i>Journal of Neurochemistry</i> , 1993, 60, 2106-2110.	3.9	27
101	Sp1 and AP2 enhance promoter activity of the mouse GM3-synthase gene. <i>Gene</i> , 2005, 351, 109-118.	2.2	27
102	Fucosyl-GM1 in Human Sensory Nervous Tissue Is a Target Antigen in Patients with Autoimmune Neuropathies. <i>Journal of Neurochemistry</i> , 1993, 61, 658-663.	3.9	27
103	Identifying novel genes and biological processes relevant to the development of cancer therapy-induced mucositis: An informative gene network analysis. <i>PLoS ONE</i> , 2017, 12, e0180396.	2.5	27
104	Genetic determinants of immune-related adverse events in patients with melanoma receiving immune checkpoint inhibitors. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 1939-1949.	4.2	27
105	Effect of N-Glycosylation on Turnover and Subcellular Distribution of N-Acetylgalactosaminyltransferase I and Sialyltransferase II in Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 2002, 74, 2359-2364.	3.9	26
106	Brain Gangliosides of a Transgenic Mouse Model of Alzheimer's Disease with Deficiency in GD3-Synthase: Expression of Elevated Levels of a Cholinergic-Specific Ganglioside, GT1a. <i>ASN Neuro</i> , 2013, 5, AN20130006.	2.7	26
107	Retinal Gangliosides in RCS Mutant Rats. <i>Journal of Neurochemistry</i> , 1982, 39, 277-279.	3.9	25
108	Further Evidence for an Intrinsic Neuraminidase in CNS Myelin. <i>Journal of Neurochemistry</i> , 1986, 46, 623-629.	3.9	25

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109	Chemical Analysis of Organotypic Cultures of Mouse Spinal Cord in Normal, Demyelinative, and Nondemyelinative Conditions. <i>Journal of Neurochemistry</i> , 1983, 41, 1710-1717.	3.9	24
110	Molecular mimicry: Sensitization of Lewis rats with <i>Campylobacter jejuni</i> lipopolysaccharides induces formation of antibody toward GD3 ganglioside. <i>Journal of Neuroscience Research</i> , 2006, 83, 274-284.	2.9	24
111	Lysosome-associated membrane protein 1 is a major SSEA-1-carrier protein in mouse neural stem cells. <i>Glycobiology</i> , 2010, 20, 976-981.	2.5	24
112	Subcellular Distribution of UDP-Galactose:Ceramide Galactosyltransferase in Rat Brain Oligodendroglia. <i>Journal of Neurochemistry</i> , 1988, 50, 1887-1893.	3.9	23
113	Subcellular distribution of sulfated glucuronyl glycolipids in human peripheral motor and sensory nerves. <i>Journal of Biomedical Science</i> , 1994, 1, 167-171.	7.0	23
114	On the Specificity of Anti-Sulfoglucuronosyl Glycolipid Antibodies. <i>Journal of Carbohydrate Chemistry</i> , 1998, 17, 535-546.	1.1	23
115	Intranasal infusion of GD3 and GM1 gangliosides downregulates alpha-synuclein and controls tyrosine hydroxylase gene in a PD model mouse. <i>Molecular Therapy</i> , 2021, 29, 3059-3071.	8.2	23
116	Differential effects of three inhibitors of glycosphingolipid biosynthesis on neuronal differentiation of embryonal carcinoma stem cells. <i>Neurochemical Research</i> , 2002, 27, 1507-1512.	3.3	22
117	Glial-guided neuronal migration in P19 embryonal carcinoma stem cell aggregates. <i>Journal of Neuroscience Research</i> , 2005, 81, 9-20.	2.9	22
118	Further Characterization of a Myelin-Associated Neuraminidase: Properties and Substrate Specificity. <i>Journal of Neurochemistry</i> , 1986, 47, 632-641.	3.9	22
119	IGF-1 Induction by Acylated Steryl $\beta$ -Glucosides Found in a Pre-Germinated Brown Rice Diet Reduces Oxidative Stress in Streptozotocin-Induced Diabetes. <i>PLoS ONE</i> , 2011, 6, e28693.	2.5	22
120	Glycosphingolipids in the cerebrospinal fluid of patients with multiple sclerosis. <i>Molecular and Chemical Neuropathology</i> , 1990, 13, 205-216.	1.0	20
121	Anti-sulfoglucuronyl paragloboside IgM antibodies in amyotrophic lateral sclerosis. <i>Journal of Neuroimmunology</i> , 1995, 57, 111-115.	2.3	20
122	Antiglycolipid Antibodies in Motor Neuropathies. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 322-329.	3.8	20
123	A Variable Age of Onset Segregation Model for Linkage Analysis, with Correction for Ascertainment, Applied to Glioma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 2242-2251.	2.5	20
124	Differential effects of glycosphingolipids on protein kinase C activity in PC12D pheochromocytoma cells. <i>Journal of Biomedical Science</i> , 1994, 1, 229-236.	7.0	19
125	Glycosphingolipid Composition of a New Immortalized Human Cerebromicrovascular Endothelial Cell Line. <i>Journal of Neurochemistry</i> , 2000, 75, 1970-1976.	3.9	19
126	Effect of Rabbit Anti-Asialo-GM1 (GA1) Polyclonal Antibodies on Neuromuscular Transmission and Acetylcholine-Induced Action Potentials: Neurophysiological and Immunohistochemical Studies. <i>Neurochemical Research</i> , 2004, 29, 953-960.	3.3	19

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127	AIDP and CIDP having specific antibodies to the carbohydrate epitope (â€“NeuAcÎ±2â€“8NeuAcÎ±2â€“3GalÎ²1â€“4Glcâ€“) of gangliosides. <i>Journal of the Neurological Sciences</i> , 2005, 232, 37-44.	0.6	19
128	Cancer-Related Risk Perceptions and Beliefs in Texas: Findings from a 2018 Population-Level Survey. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 486-494.	2.5	19
129	Age-dependent reduction in sialidase activity of nuclear membranes from mouse brain. <i>Experimental Gerontology</i> , 2002, 37, 937-941.	2.8	18
130	Fucosyl-GM1 expression and amyloid-Î² protein accumulation in PC12 cells. <i>Journal of Neuroscience Research</i> , 2006, 84, 1343-1349.	2.9	18
131	Isolated Bovine Spinal Motoneurons Have Specific Ganglioside Antigens Recognized by Sera from Patients with Motor Neuron Disease and Motor Neuropathy. <i>Journal of Neurochemistry</i> , 1992, 59, 1684-1691.	3.9	17
132	Characterization of Sialyltransferase-IV Activity and Its Involvement in the c-Pathway of Brain Ganglioside Metabolism. <i>Journal of Neurochemistry</i> , 2002, 64, 385-393.	3.9	17
133	Cav2.1 Voltage-dependent Ca <sup>2+</sup> Channel Current is Inhibited by Serum from Select Patients with Guillain-Barré Syndrome. <i>Neurochemical Research</i> , 2009, 34, 149-157.	3.3	17
134	Ganglioside GD3 regulates dendritic growth in newborn neurons in adult mouse hippocampus via modulation of mitochondrial dynamics. <i>Journal of Neurochemistry</i> , 2021, 156, 819-833.	3.9	17
135	Cigarette Experimentation in Mexican Origin Youth: Psychosocial and Genetic Determinants. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 228-238.	2.5	16
136	Distinct epidemiological profiles associated with inflammatory breast cancer (IBC): A comprehensive analysis of the IBC registry at The University of Texas MD Anderson Cancer Center. <i>PLoS ONE</i> , 2018, 13, e0204372.	2.5	16
137	Glycolipid and Glycoprotein Expression During Neural Development. <i>Advances in Neurobiology</i> , 2014, 9, 185-222.	1.8	16
138	Purification and characterization of CMP-NeuAc:GM1 (GalÎ²1-4GalNAc) Î±2-3 sialyltransferase from rat brain. <i>FEBS Letters</i> , 1990, 275, 83-86.	2.8	15
139	The role of globo-series glycolipids in neuronal cell differentiation--a review. <i>Neurochemical Research</i> , 1998, 23, 291-303.	3.3	15
140	Spatiotemporal expression of GM1 in murine medial pallial neural progenitor cells. <i>Journal of Comparative Neurology</i> , 2005, 491, 330-338.	1.6	15
141	Glycosphingolipid Antigens in Neural Tumor Cell Lines and Anti-Glycosphingolipid Antibodies in Sera of Patients with Neural Tumors. <i>NeuroSignals</i> , 2008, 16, 226-234.	0.9	15
142	Differences in Sun Protection Behaviors Between Rural and Urban Communities in Texas. <i>Journal of Rural Health</i> , 2019, 35, 155-166.	2.9	15
143	Rapid Communication: GM3 Regulates Protein Kinase Systems in Cultured Brain Microvascular Endothelial Cells. <i>Journal of Neurochemistry</i> , 1993, 61, 1969-1972.	3.9	14
144	Effect of Nerve Growth Factor and Forskolin on Glycosyltransferase Activities and Expression of a Globo-Series Glycosphingolipid in PC12D Pheochromocytoma Cells. <i>Journal of Neurochemistry</i> , 2002, 64, 810-817.	3.9	14

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145	Novel GM1 ganglioside-like peptide mimics prevent the association of cholera toxin to human intestinal epithelial cells in vitro. <i>Glycobiology</i> , 2015, 26, cwv080.	2.5	14
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