

Cara-Lynne Schengrund

List of Publications by Year in descending order

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62
papers

2,141
citations

236925
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45
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62
all docs

62
docs citations

62
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Association Between Iron and Cholesterol in Neuroblastomas. Anticancer Research, 2021, 41, 2795-2804.	1.1	1
2	Gangliosides and Neuroblastomas. International Journal of Molecular Sciences, 2020, 21, 5313.	4.1	21
3	Gangliosides: glycosphingolipids essential for normal neural development and function. Trends in Biochemical Sciences, 2015, 40, 397-406.	7.5	187
4	HFE gene variants, iron, and lipids: a novel connection in Alzheimer's disease. Frontiers in Pharmacology, 2014, 5, 165.	3.5	33
5	H63D mutation in hemochromatosis alters cholesterol metabolism and induces memory impairment. Neurobiology of Aging, 2014, 35, 1511.e1-1511.e12.	3.1	25
6	Roles of Carbohydrates in the Interaction of Pathogens with Neural Cells. Advances in Neurobiology, 2014, 9, 395-413.	1.8	3
7	Cholesterol, GM1, and Autism. Neurochemical Research, 2012, 37, 1201-1207.	3.3	31
8	Multivalent dendrimeric compounds containing carbohydrates expressed on immune cells inhibit infection by primary isolates of HIV-1. Virology, 2010, 408, 80-88.	2.4	37
9	Surface plasmon resonance analysis of ricin binding to plasma membranes isolated from NIH 3T3 cells. Analytical Biochemistry, 2010, 396, 212-216.	2.4	11
10	Lipid rafts: Keys to neurodegeneration. Brain Research Bulletin, 2010, 82, 7-17.	3.0	122
11	Membrane Raft Disruption Promotes Axonogenesis in N2a Neuroblastoma Cells. Neurochemical Research, 2009, 34, 29-37.	3.3	22
12	Multivalent binding of ricin to bovine serum albumin-based neoglycoconjugates. Toxicon, 2008, 51, 1214-1224.	1.6	14
13	Disruption of lipid rafts enhances activity of botulinum neurotoxin serotype A. Toxicon, 2006, 48, 1035-1045.	1.6	25
14	Glycoconjugates: Roles in Neural Diseases Caused by Exogenous Pathogens. CNS and Neurological Disorders - Drug Targets, 2006, 5, 381-389.	1.4	1
15	Biochemical Analysis of Human Milk Treated With Sodium Dodecyl Sulfate, an Alkyl Sulfate Microbicide That Inactivates Human Immunodeficiency Virus Type 1. Journal of Human Lactation, 2006, 22, 61-74.	1.6	15
16	Comparison of Glycosphingolipids and Antibodies as Receptor Molecules for Ricin Detection. Analytical Chemistry, 2005, 77, 2882-2888.	6.5	37
17	Inactivation of HIV-1 in breast milk by treatment with the alkyl sulfate microbicide sodium dodecyl sulfate (SDS). Retrovirology, 2005, 2, 28.	2.0	20
18	Stable, Nanoscale Glycosphingolipid Films for Use in Sensing Applications. Materials Research Society Symposia Proceedings, 2004, 823, W12.2.1.	0.1	0

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19	Novel Polysulfated Galactose-Derivatized Dendrimers as Binding Antagonists of Human Immunodeficiency Virus Type 1 Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 1614-1623.	3.2	75
20	Glycosphingolipidsâ€”Sweets for botulinum neurotoxin. <i>Glycoconjugate Journal</i> , 2004, 21, 287-293.	2.7	32
21	Synthesis of Novel, Multivalent Glycodendrimers as Ligands for HIV-1 gp120. <i>Bioconjugate Chemistry</i> , 2004, 15, 349-358.	3.6	74
22	Botulinum Neurotoxin A Changes Conformation upon Binding to Ganglioside GT1bâ€”. <i>Biochemistry</i> , 2004, 43, 9725-9731.	2.5	63
23	Heat-Stabilized Glycosphingolipid Films for Biosensing Applications. <i>Langmuir</i> , 2004, 20, 6501-6506.	3.5	15
24	â€œMultivalentâ€”saccharides: development of new approaches for inhibiting the effects of glycosphingolipid-binding pathogens. <i>Biochemical Pharmacology</i> , 2003, 65, 699-707.	4.4	74
25	Botulinum Neurotoxin A Activity Is Dependent upon the Presence of Specific Gangliosides in Neuroblastoma Cells Expressing Synaptotagmin I. <i>Journal of Biological Chemistry</i> , 2002, 277, 32815-32819.	3.4	120
26	Nonmuscle Myosin Heavy Chain B Is Recognized by a Monoclonal Antibody that Inhibits GM1-Enhanced Neuritogenesis. <i>Journal of Neurochemistry</i> , 2002, 68, 596-600.	3.9	4
27	Correlation of cleavage of SNAP-25 with muscle function in a rat model of Botulinum neurotoxin type A induced paralysis. <i>Toxicon</i> , 2001, 39, 1309-1315.	1.6	39
28	Oxidation and base-catalyzed elimination of the saccharide portion of GSLs having very different polarities. <i>Journal of Lipid Research</i> , 2001, 42, 659-662.	4.2	9
29	UDP-6-deoxy-6-fluoro-Î±-D-galactose binds to two different galactosyltransferases, but neither can effectively catalyze transfer of the modified galactose to the appropriate acceptor. <i>Carbohydrate Research</i> , 1999, 319, 24-28.	2.3	18
30	What is the cell surface receptor(s) for the different serotypes of botulinum neurotoxin?. <i>Toxin Reviews</i> , 1999, 18, 35-44.	1.5	5
31	A simple, nonenzymatic method for desialylating polysialylated ganglio-N-tetraose series gangliosides to produce GM1. <i>Journal of Lipid Research</i> , 1999, 40, 160-163.	4.2	4
32	Exogenous Gangliosides: How Do They Cross the Blood-Brain Barrier and How Do They Inhibit Cell Proliferation?â€. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 278-283.	3.8	12
33	Inhibition of the adherence of cholera toxin and the heat-labile enterotoxin of <i>Escherichia coli</i> to cell-surface GM1 by oligosaccharide-derivatized dendrimers. <i>Biochemical Pharmacology</i> , 1998, 56, 591-597.	4.4	40
34	Oligosaccharide-derivatized dendrimers: defined multivalent inhibitors of the adherence of the cholera toxin B subunit and the heat labile enterotoxin of <i>E. coli</i> to GM1. <i>Glycoconjugate Journal</i> , 1997, 14, 837-845.	2.7	75
35	Correlation of Mineral Dust-Induced Changes in the Composition of a Fraction Enriched in Lung Surfactant with Pulmonary Histologic Lesions in Rats. <i>Journal of Occupational and Environmental Hygiene</i> , 1996, 11, 928-933.	0.4	0
36	Gangliosideâ€”Induced Adherence of Botulinum and Tetanus Neurotoxins to Adducin. <i>Journal of Neurochemistry</i> , 1996, 66, 2556-2561.	3.9	22

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37	Evidence that Molecules on the Surface of One Cell Can Adhere to the Oligosaccharide Portion of Gangliosides on the Surface of Another Cell. <i>NeuroSignals</i> , 1995, 4, 1-13.	0.9	13
38	Effects of Specific Gangliosides on the In Vitro Proliferation of MPTP-Susceptible Cells. <i>Journal of Neurochemistry</i> , 1993, 61, 1277-1283.	3.9	6
39	Ganglioside GD3 enhances adherence of botulinum and tetanus neurotoxins to bovine brain synapsin I. <i>Neuroscience Letters</i> , 1993, 158, 159-162.	2.1	9
40	Partial Characterization of Bovine Synaptosomal Proteins Adhered to By Botulinum and Tetanus Neurotoxins. , 1993, , 215-219.		2
41	Adherence of botulinum and tetanus neurotoxins to synaptosomal proteins. <i>Brain Research Bulletin</i> , 1992, 29, 917-924.	3.0	11
42	Identification of a GM1-Binding Protein on the Surface of Murine Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 1992, 59, 527-535.	3.9	14
43	Binding of Botulinum and Tetanus Neurotoxins to Ganglioside GT1b and Derivatives Thereof. <i>Journal of Neurochemistry</i> , 1991, 57, 1024-1032.	3.9	63
44	Murine Neuroblastoma Cells Express Ganglioside Binding Sites on Their Cell Surface. <i>Journal of Neurochemistry</i> , 1990, 54, 1791-1797.	3.9	18
45	The role(s) of Gangliosides in neural differentiation and repair: A perspective. <i>Brain Research Bulletin</i> , 1990, 24, 131-141.	3.0	168
46	Oligosaccharide Portion of GM1 Enhances Process Formation by S20Y Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 1988, 51, 277-282.	3.9	27
47	A biochemical analysis of thoracic neuroblastomas: A pediatric oncology group study. <i>Journal of Pediatric Surgery</i> , 1987, 22, 660-664.	1.6	11
48	Oxidative degradation of glycosphingolipids revisited: a simple preparation of oligosaccharides from glycosphingolipids. <i>Carbohydrate Research</i> , 1986, 155, 175-181.	2.3	14
49	Ganglioside composition of human neuroblastomas correlation with prognosis A pediatric oncology group study. <i>Cancer</i> , 1985, 56, 2640-2646.	4.1	38
50	Response of mature mice to challenge with neuroblastoma after inoculation with neuroblastoma cells as neonates. <i>Cancer Letters</i> , 1982, 17, 229-235.	7.2	3
51	Biochemical and Morphological Study of Adriamycin-Induced Changes in Murine Neuroblastoma Cells. <i>Oncology</i> , 1982, 39, 185-190.	1.9	14
52	Solubilization and partial characterization of a tumor-rejection antigen from an ultraviolet light-induced murine tumor. <i>International Journal of Cancer</i> , 1981, 27, 545-554.	5.1	12
53	DIFFERENTIAL ENRICHMENT OF CELLS FROM EMBRYONIC RAT CEREBRA BY CENTRIFUGAL ELUTRIATION. <i>Journal of Neurochemistry</i> , 1979, 33, 283-289.	3.9	8
54	Distribution in spleen subcellular organelles of sialidase active towards natural sialoglycolipid and sialoglycoprotein substrates. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1979, 568, 377-385.	2.6	8

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55	Neuronal and non-neuronal properties of neuroblastoma cells. Experimental Cell Research, 1978, 114, 159-165.	2.6	9
56	VCN-Releasable sialic acid and gangliosides in human neuroblastomas. Journal of Pediatric Surgery, 1977, 12, 413-418.	1.6	24
57	Cell culture of sixteen-day-old rat embryo cerebra and associated changes in ganglioside pattern. Journal of Neurochemistry, 1977, 29, 923-927.	3.9	25
58	Ganglioside sialidase activity in bovine neuronal perikarya. Neurochemical Research, 1976, 1, 171-180.	3.3	12
59	Sialidase activity in mouse neuroblastoma cell lines. Neurochemical Research, 1976, 1, 181-190.	3.3	12
60	Sialidase Activity in Transformed Cells. Journal of Biological Chemistry, 1973, 248, 4424-4428.	3.4	88
61	Localization of Sialidase in the Plasma Membrane of Rat Liver Cells. Journal of Biological Chemistry, 1972, 247, 2742-2746.	3.4	95
62	Intracellular Location and Properties of Bovine Brain Sialidase. Journal of Biological Chemistry, 1970, 245, 6196-6200.	3.4	151