# Sandro Sonnino

List of Publications by Year
in descending order



| 261 | 11,427 | 34493 54 | 49824 91 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 268 | 268 | 268 | 10084 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Novel insights on GM1 and Parkinson's disease: A critical review. Glycoconjugate Journal, 2022, 39, 27. | 1.4 | 8 |
| 2 | Gangliosides and the Treatment of Neurodegenerative Diseases: A Long Italian Tradition. Biomedicines, 2022, 10, 363. | 1.4 | 13 |
| 3 | Massive Accumulation of Sphingomyelin Affects the Lysosomal and Mitochondria Compartments and Promotes Apoptosis in Niemann-Pick Disease Type A. Journal of Molecular Neuroscience, 2022, 72, 1482-1499. | 1.1 | 5 |
| 4 | Turning the spotlight on the oligosaccharide chain of GM1 ganglioside. Glycoconjugate Journal, 2021, 38, 101-117. | 1.4 | 19 |
| 5 | The structure of gangliosides hides a code for determining neuronal functions. FEBS Open Bio, 2021, 11, 3193-3200. | 1.0 | 18 |
| 6 | A pathogenic HEXA missense variant in wild boars with Tay-Sachs disease. Molecular Genetics and Metabolism, 2021, 133, 297-306. | 0.5 | 2 |
| 7 | Glycans in autophagy, endocytosis and lysosomal functions. Glycoconjugate Journal, 2021, 38, 625-647. | 1.4 | 15 |
| 8 | Glycosphingolipids. Advances in Experimental Medicine and Biology, 2021, 1325, 61-102. | 0.8 | 11 |
| 9 | Lipid rafts and neurodegeneration: structural and functional roles in physiologic aging and neurodegenerative diseases. Journal of Lipid Research, 2020, 61, 636-654. | 2.0 | 88 |
| 10 | Sphingolipids and plasma membrane hydrolases in human primary bronchial cells during differentiation and their altered patterns in cystic fibrosis. Glycoconjugate Journal, 2020, 37, 623-633. | 1.4 | 10 |
| 11 | Modulation of calcium signaling depends on the oligosaccharide of GM1 in Neuro2a mouse neuroblastoma cells. Glycoconjugate Journal, 2020, 37, 713-727. | 1.4 | 12 |
| 12 | Homeostatic and pathogenic roles of <scp>GM</scp> 3 ganglioside molecular species in <scp>TLR</scp> 4 signaling in obesity. EMBO Journal, 2020, 39, e101732. | 3.5 | 25 |
| 13 | Gangliosides in the differentiation process of primary neurons: the specific role of GM1-oligosaccharide. Glycoconjugate Journal, 2020, 37, 329-343. | 1.4 | 22 |
| 14 | GM1 as Adjuvant of Innovative Therapies for Cystic Fibrosis Disease. International Journal of Molecular Sciences, 2020, 21, 4486. | 1.8 | 11 |
| 15 | GM1 Ganglioside Is A Key Factor in Maintaining the Mammalian Neuronal Functions Avoiding Neurodegeneration. International Journal of Molecular Sciences, 2020, 21, 868. | 1.8 | 91 |
| 16 | The oligosaccharide portion of ganglioside GM1 regulates mitochondrial function in neuroblastoma cells. Glycoconjugate Journal, 2020, 37, 293-306. | 1.4 | 18 |
| 17 | GM1 Oligosaccharide Crosses the Human Bloodâ€“Brain Barrier In Vitro by a Paracellular Route. International Journal of Molecular Sciences, 2020, 21, 2858. | 1.8 | 29 |
| 18 | Sphingolipids and neuronal degeneration in lysosomal storage disorders. Journal of Neurochemistry, 2019, 148, 600-611. | 2.1 | 37 |

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| 19 | Sphingosine 1-Phosphate Receptors and Metabolic Enzymes as Druggable Targets for Brain Diseases. Frontiers in Pharmacology, 2019, 10, 807. | 1.6 | 72 |
| 20 | The Neuroprotective Role of the GM1 Oligosaccharide, II3Neu5Ac-Gg4, in Neuroblastoma Cells. Molecular Neurobiology, 2019, 56, 6673-6702. | 1.9 | 19 |
| 21 | <scp>GM</scp>1 promotes TrkAâ€mediated neuroblastoma cell differentiation by occupying a plasma membrane domain different from TrkA. Journal of Neurochemistry, 2019, 149, 231-241. | 2.1 | 30 |
| 22 | Parkinsonâ€™s disease recovery by GM1 oligosaccharide treatment in the B4galnt1+/â^' mouse model. Scientific Reports, 2019, 9, 19330. | 1.6 | 34 |
| 23 | Human Remyelination Promoting Antibody Stimulates Astrocytes Proliferation Through Modulation of the Sphingolipid Rheostat in Primary Rat Mixed Glial Cultures. Neurochemical Research, 2019, 44, 1460-1474. | 1.6 | 8 |
| 24 | On the use of cholera toxin. Glycoconjugate Journal, 2018, 35, 161-163. | 1.4 | 14 |
| 25 | Abiraterone and Ionizing Radiation Alter the Sphingolipid Homeostasis in Prostate Cancer Cells. Advances in Experimental Medicine and Biology, 2018, 1112, 293-307. | 0.8 | 5 |
| 26 | Biochemical Characterization of the GBA2 c.1780G>C Missense Mutation in Lymphoblastoid Cells from Patients with Spastic Ataxia. International Journal of Molecular Sciences, 2018, 19, 3099. | 1.8 | 11 |
| 27 | Radioactive Gangliosides for Biological Studies. Methods in Molecular Biology, 2018, 1804, 311-322. | 0.4 | 4 |
| 28 | A lysosomeâ€plasma membraneâ€sphingolipid axis linking lysosomal storage to cell growth arrest. FASEB Journal, 2018, 32, 5685-5702. | 0.2 | 32 |
| 29 | Assignment by Negative-Ion Electrospray Tandem Mass Spectrometry of the Tetrasaccharide Backbones of Monosialylated Glycans Released from Bovine Brain Gangliosides. Journal of the American Society for Mass Spectrometry, 2018, 29, 1308-1318. | 1.2 | 3 |
| 30 | Neuronal membrane dynamics as fine regulator of sphingolipid composition. Glycoconjugate Journal, 2018, 35, 397-402. | 1.4 | 6 |
| 31 | Gangliosides in Membrane Organization. Progress in Molecular Biology and Translational Science, 2018, 156, 83-120. | 0.9 | 48 |
| 32 | Chemical and Physicochemical Properties of Gangliosides. Methods in Molecular Biology, 2018, 1804, 1-17. | 0.4 | 5 |
| 33 | Nuclear Magnetic Resonance of Gangliosides. Methods in Molecular Biology, 2018, 1804, 241-284. | 0.4 | 3 |
| 34 | Serum Antibodies to Glycans in Peripheral Neuropathies. Molecular Neurobiology, 2017, 54, 1564-1567. | 1.9 | 9 |
| 35 | Altered expression of ganglioside GM3 molecular species and a potential regulatory role during myoblast differentiation. Journal of Biological Chemistry, 2017, 292, 7040-7051. | 1.6 | 15 |
| 36 | Role of the <scp>GM</scp>1 ganglioside oligosaccharide portion in the TrkAâ€dependent neurite sprouting in neuroblastoma cells. Journal of Neurochemistry, 2017, 143, 645-659. | 2.1 | 53 |

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| 37 | Evidence for the Involvement of Lipid Rafts and Plasma Membrane Sphingolipid Hydrolases in Pseudomonas aeruginosa Infection of Cystic Fibrosis Bronchial Epithelial Cells. Mediators of Inflammation, 2017, 2017, 1-16. | 1.4 | 16 |
| 38 | Unravelling the role of sphingolipids in cystic fibrosis lung disease. Chemistry and Physics of Lipids, 2016, 200, 94-103. | 1.5 | 26 |
| 39 | The role of sphingolipids in neuronal plasticity of the brain. Journal of Neurochemistry, 2016, 137, 485-488. | 2.1 | 33 |
| 40 | Lipoarabinomannan binding to lactosylceramide in lipid rafts is essential for the phagocytosis of mycobacteria by human neutrophils. Science Signaling, 2016, 9, ra101. | 1.6 | 58 |
| 41 | The Role of 3-O-Sulfogalactosylceramide, Sulfatide, in the Lateral Organization of Myelin Membrane. Neurochemical Research, 2016, 41, 130-143. | 1.6 | 35 |
| 42 | GM1 Ganglioside: Past Studies and Future Potential. Molecular Neurobiology, 2016, 53, 1824-1842. | 1.9 | 112 |
| 43 | Isolation and Analysis of Detergent-Resistant Membrane Fractions. Methods in Molecular Biology, 2016, 1376, 107-131. | 0.4 | 17 |
| 44 | Identification of the antigen recognized by rHIgM22, a remyelination-promoting human monoclonal antibody. SpringerPlus, 2015, 4, . | 1.2 | 1 |
| 45 | Glycohydrolases in the central nervous system: the role of GBA2 in the neuronal differentiation. SpringerPlus, 2015, 4, . | 1.2 | 0 |
| 46 | Membrane lipid domains in the nervous system. Frontiers in Bioscience - Landmark, 2015, 20, 280-302. | 3.0 | 28 |
| 47 | Direct interaction, instrumental for signaling processes, between LacCer and Lyn in the lipid rafts of neutrophil-like cells. Journal of Lipid Research, 2015, 56, 129-141. | 2.0 | 46 |
| 48 | Lipid membrane domains in the brain. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1006-1016. | 1.2 | 106 |
| 49 | Phosphatidic acidâ€mediated activation and translocation to the cell surface of sialidase NEU3, promoting signaling for cell migration. FASEB Journal, 2015, 29, 2099-2111. | 0.2 | 23 |
| 50 | GBA2-Encoded Î²-Glucosidase Activity Is Involved in the Inflammatory Response to Pseudomonas aeruginosa. PLoS ONE, 2014, 9, e104763. | 1.1 | 19 |
| 51 | Exploring the link between ceramide and ionizing radiation. Glycoconjugate Journal, 2014, 31, 449-459. | 1.4 | 34 |
| 52 | Lipid Rafts in Neurodegeneration and Neuroprotection. Molecular Neurobiology, 2014, 50, 130-148. | 1.9 | 74 |
| 53 | Chaperone Therapy for GM2 Gangliosidosis: Effects of Pyrimethamine on Î²-Hexosaminidase Activity in Sandhoff Fibroblasts. Molecular Neurobiology, 2014, 50, 159-167. | 1.9 | 30 |
| 54 | The Glycosphingolipid Hydrolases in the Central Nervous System. Molecular Neurobiology, 2014, 50, 76-87. | 1.9 | 11 |

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| 55 | iPSC-derived neurons from GBA1-associated Parkinsonâ€™s disease patients show autophagic defects and impaired calcium homeostasis. Nature Communications, 2014, 5, 4028. | 5.8 | 436 |
| 56 | Gangliosides and Cell Surface Ganglioside Glycohydrolases in the Nervous System. Advances in Neurobiology, 2014, 9, 223-244. | 1.3 | 15 |
| 57 | A practical route to long-chain non-natural Î±,Ï‰-diamino acids. Amino Acids, 2013, 44, 435-441. | 1.2 | 5 |
| 58 | Gangliosides as regulators of cell signaling: ganglioside–protein interactions or ganglioside–driven membrane organization?. Journal of Neurochemistry, 2013, 124, 432-435. | 2.1 | 33 |
| 59 | The oxysterolâ€“CXCR2 axis plays a key role in the recruitment of tumor-promoting neutrophils. Journal of Experimental Medicine, 2013, 210, 1711-1728. | 4.2 | 167 |
| 60 | Anti-GM1/GD1a complex antibodies in GBS sera specifically recognize the hybrid dimer GM1-GD1a. Glycobiology, 2012, 22, 352-360. | 1.3 | 18 |
| 61 | The galactocerebrosidase enzyme contributes to maintain a functional neurogenic niche during early post-natal CNS development. Human Molecular Genetics, 2012, 21, 4732-4750. | 1.4 | 33 |
| 62 | Interactions Between Caveolin-1 and Sphingolipids, and Their Functional Relevance. Advances in Experimental Medicine and Biology, 2012, 749, 97-115. | 0.8 | 4 |
| 63 | Cell surface associated glycohydrolases in normal and Gaucher disease fibroblasts. Journal of Inherited Metabolic Disease, 2012, 35, 1081-1091. | 1.7 | 35 |
| 64 | Ionizing radiations increase the activity of the cell surface glycohydrolases and the plasma membrane ceramide content. Glycoconjugate Journal, 2012, 29, 585-597. | 1.4 | 22 |
| 65 | Ganglioside GM1 forces the redistribution of cholesterol in a biomimetic membrane. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2860-2867. | 1.4 | 30 |
| 66 | Ceramides as Possible Nutraceutical Compounds: Characterization of the Ceramides of the Moro Blood Orange (Citrus sinensis). Journal of Agricultural and Food Chemistry, 2012, 60, 10103-10110. | 2.4 | 12 |
| 67 | Plasma Membrane-Associated Glycohydrolases Along Differentiation of Murine Neural Stem Cells. Neurochemical Research, 2012, 37, 1344-1354. | 1.6 | 19 |
| 68 | Plasma Membrane-Associated Glycohydrolases Activation by Extracellular Acidification due to Proton Exchangers. Neurochemical Research, 2012, 37, 1296-1307. | 1.6 | 14 |
| 69 | Î²-Hexosaminidase over-expression affects lysosomal glycohydrolases expression and glycosphingolipid metabolism in mammalian cells. Molecular and Cellular Biochemistry, 2012, 363, 109-118. | 1.4 | 8 |
| 70 | Aberrant Glycosphingolipid Expression and Membrane Organization in Tumor Cells: Consequences on Tumorâ€“Host Interactions. Advances in Experimental Medicine and Biology, 2011, 705, 643-667. | 0.8 | 10 |
| 71 | Cell surface sphingolipid glycohydrolases in neuronal differentiation and aging in culture. Journal of Neurochemistry, 2011, 116, 891-899. | 2.1 | 44 |
| 72 | Nanoscale structural response of ganglioside–containing aggregates to the interaction with sialidase. Journal of Neurochemistry, 2011, 116, 833-839. | 2.1 | 13 |

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| 73 | Brain pathology in Niemann Pick disease type A: insights from the acid sphingomyelinase knockout mice. Journal of Neurochemistry, 2011, 116, 779-788. | 2.1 | 61 |
| 74 | The Fourth ISN Special Neurochemistry Conference -â€œMembrane domains in CNS Physiology and Pathologyâ€, Erice, Trapani, Sicily, 22-26 May 2010. Journal of Neurochemistry, 2011, 116, 669-670. | 2.1 | 1 |
| 75 | Gangliosides and the multiscale modulation of membrane structure. Chemistry and Physics of Lipids, 2011, 164, 796-810. | 1.5 | 47 |
| 76 | Remodeling of Sphingolipids by Plasma Membrane Associated Enzymes. Neurochemical Research, 2011, 36, 1636-1644. | 1.6 | 32 |
| 77 | Secondary Alterations of Sphingolipid Metabolism in Lysosomal Storage Diseases. Neurochemical Research, 2011, 36, 1654-1668. | 1.6 | 31 |
| 78 | A Glycosphingolipid/Caveolin-1 Signaling Complex Inhibits Motility of Human Ovarian Carcinoma Cells. Journal of Biological Chemistry, 2011, 286, 40900-40910. | 1.6 | 31 |
| 79 | Role of Gangliosides and Plasma Membrane-Associated Sialidase in the Process of Cell Membrane Organization. Advances in Experimental Medicine and Biology, 2011, 705, 297-316. | 0.8 | 10 |
| 80 | Deregulated Sphingolipid Metabolism and Membrane Organization in Neurodegenerative Disorders. Molecular Neurobiology, 2010, 41, 314-340. | 1.9 | 117 |
| 81 | Fine tuning of cell functions through remodeling of glycosphingolipids by plasma membraneâ€associated glycohydrolases. FEBS Letters, 2010, 584, 1914-1922. | 1.3 | 40 |
| 82 | Frontiers in membrane biochemistry. FEBS Letters, 2010, 584, 1633-1633. | 1.3 | 0 |
| 83 | Lipid-based nanoparticles with high binding affinity for amyloid-Î²1â€“42 peptide. Biomaterials, 2010, 31, 6519-6529. | 5.7 | 190 |
| 84 | Tumor-mediated liver X receptor-Î± activation inhibits CC chemokine receptor-7 expression on dendritic cells and dampens antitumor responses. Nature Medicine, 2010, 16, 98-105. | 15.2 | 275 |
| 85 | Lipids and Membrane Lateral Organization. Frontiers in Physiology, 2010, 1, 153. | 1.3 | 41 |
| 86 | GM3 synthase overexpression results in reduced cell motility and in caveolin-1 upregulation in human ovarian carcinoma cells. Glycobiology, 2010, 20, 62-77. | 1.3 | 47 |
| 87 | Photoactivable sphingosine as a tool to study membrane microenvironments in cultured cells. Journal of Lipid Research, 2010, 51, 798-808. | 2.0 | 10 |
| 88 | Sphingolipidomics of A2780 human ovarian carcinoma cells treated with synthetic retinoids. Journal of Lipid Research, 2010, 51, 1832-1840. | 2.0 | 23 |
| 89 | Sphingosine Kinase Mediates Resistance to the Synthetic Retinoid N-(4-Hydroxyphenyl)retinamide in Human Ovarian Cancer Cells. Journal of Biological Chemistry, 2010, 285, 18594-18602. | 1.6 | 43 |
| 90 | Gangliosides as Regulators of Cell Membrane Organization and Functions. Advances in Experimental Medicine and Biology, 2010, 688, 165-184. | 0.8 | 49 |

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| 91 | Sphingolipids and membrane environments for caveolin. FEBS Letters, 2009, 583, 597-606. | 1.3 | 53 |
| 92 | Activity of plasma membrane Î²â€galactosidase and Î²â€glucosidase. FEBS Letters, 2009, 583, 2469-2473. | 1.3 | 51 |
| 93 | Thin layer chromatography of gangliosides. Glycoconjugate Journal, 2009, 26, 961-973. | 1.4 | 32 |
| 94 | Brain lipid composition in grey-lethal mutant mouse characterized by severe malignant osteopetrosis. Glycoconjugate Journal, 2009, 26, 623-633. | 1.4 | 17 |
| 95 | Role of very long fatty acid-containing glycosphingolipids in membrane organization and cell signaling: the model of lactosylceramide in neutrophils. Glycoconjugate Journal, 2009, 26, 615-621. | 1.4 | 49 |
| 96 | Neural precursor cell cultures from GM2 gangliosidosis animal models recapitulate the biochemical and molecular hallmarks of the brain pathology. Journal of Neurochemistry, 2009, 109, 135-147. | 2.1 | 38 |
| 97 | Alterations of myelinâ€specific proteins and sphingolipids characterize the brains of acid sphingomyelinaseâ€deficient mice, an animal model of Niemannâ€“Pick disease type A. Journal of Neurochemistry, 2009, 109, 105-115. | 2.1 | 30 |
| 98 | Glycosphingolipid behaviour in complex membranes. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 184-193. | 1.4 | 128 |
| 99 | Involvement of very long fatty acid-containing lactosylceramide in lactosylceramide-mediated superoxide generation and migration in neutrophils. Glycoconjugate Journal, 2008, 25, 357-374. | 1.4 | 101 |
| 100 | Lipid content of brain, brain membrane lipid domains, and neurons from acid sphingomyelinase deficient mice. Journal of Neurochemistry, 2008, 107, 329-338. | 2.1 | 53 |
| 101 | Regulation of tumor phenotypes by caveolin-1 and sphingolipid-controlled membrane signaling complexes. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 585-596. | 1.1 | 15 |
| 102 | Effect of structural modifications of ganglioside GM2 on intra-molecular carbohydrate-to-carbohydrate interaction and enzymatic susceptibility. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 353-361. | 1.1 | 3 |
| 103 | uPA binding increases UPAR localization to lipid rafts and modifies the receptor microdomain composition. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 250-259. | 1.4 | 21 |
| 104 | Lyn-coupled LacCer-enriched lipid rafts are required for CD11b/CD18-mediated neutrophil phagocytosis of nonopsonized microorganisms. Journal of Leukocyte Biology, 2008, 83, 728-741. | 1.5 | 83 |
| 105 | Selected natural and synthetic retinoids impair CCR7- and CXCR4-dependent cell migration in vitro and in vivo. Journal of Leukocyte Biology, 2008, 84, 871-879. | 1.5 | 23 |
| 106 | Membrane lipid domains and membrane lipid domain preparations: are they the same thing?. Trends in Glycoscience and Glycotechnology, 2008, 20, 315-340. | 0.0 | 11 |
| 107 | Solid phase immunoadsorption for therapeutic and analytical studies on neuropathy-associated anti-GM1 antibodies. Glycobiology, 2007, 17, 294-303. | 1.3 | 38 |
| 108 | Dissociation of the insulin receptor and caveolin-1 complex by ganglioside GM3 in the state of insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13678-13683. | 3.3 | 344 |

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| 109 | Ceramide and sphingomyelin species of fibroblasts and neurons in culture. Journal of Lipid Research, 2007, 48, 417-424. | 2.0 | 57 |
| 110 | Nitric Oxide Boosts Chemoimmunotherapy via Inhibition of Acid Sphingomyelinase in a Mouse Model of Melanoma. Cancer Research, 2007, 67, 7559-7564. | 0.4 | 63 |
| 111 | N -Glycolyl GM1 Ganglioside as a Receptor for Simian Virus 40. Journal of Virology, 2007, 81, 12846-12858. | 1.5 | 150 |
| 112 | Gangliosides as components of lipid membrane domains. Glycobiology, 2007, 17, 1R-13R. | 1.3 | 296 |
| 113 | Induction of axonal differentiation by silencing plasma membrane-associated sialidase Neu3 in neuroblastoma cells. Journal of Neurochemistry, 2007, 100, 708-719. | 2.1 | 37 |
| 114 | Modulation of cell functions by glycosphingolipid metabolic remodeling in the plasma membrane. Journal of Neurochemistry, 2007, 103, 113-125. | 2.1 | 30 |
| 115 | Reorganization of prion protein membrane environment during low potassium-induced apoptosis in primary rat cerebellar neurons. Journal of Neurochemistry, 2007, 103, 1954-1967. | 2.1 | 13 |
| 116 | Sialic Acid and GM3 Ganglioside Expression in Papillomavirus-associated Urinary Bladder Tumours of Cattle with Chronic Enzootic Haematuria. Journal of Comparative Pathology, 2007, 137, 87-93. | 0.1 | 10 |
| 117 | Dynamic and Structural Properties of Sphingolipids as Driving Forces for the Formation of Membrane Domains. Chemical Reviews, 2006, 106, 2111-2125. | 23.0 | 167 |
| 118 | Analysis of detergent-resistant membranes associated with apical and basolateral GPI-anchored proteins in polarized epithelial cells. FEBS Letters, 2006, 580, 5705-5712. | 1.3 | 19 |
| 119 | Lack of ceramide generation and altered sphingolipid composition are associated with drug resistance in human ovarian carcinoma cells. Biochemical Journal, 2006, 395, 311-318. | 1.7 | 41 |
| 120 | Efflux of sphingolipids metabolically labeled with [1-3H]sphingosine, L-[3-3H]serine and [9,10-3H]palmitic acid from normal cells in culture. Glycoconjugate Journal, 2006, 23, 159-165. | 1.4 | 17 |
| 121 | Saposin B binds and transfers phospholipids. Journal of Lipid Research, 2006, 47, 1045-1053. | 2.0 | 30 |
| 122 | Plasma membrane production of ceramide from ganglioside GM3 in human fibroblasts. FASEB Journal, 2006, 20, 1227-1229. | 0.2 | 106 |
| 123 | The membrane environment of endogenous cellular prion protein in primary rat cerebellar neurons. Journal of Neurochemistry, 2005, 95, 771-783. | 2.1 | 48 |
| 124 | Bicistronic lentiviral vector corrects Î²-hexosaminidase deficiency in transduced and cross-corrected human Sandhoff fibroblasts. Neurobiology of Disease, 2005, 20, 583-593. | 2.1 | 32 |
| 125 | Sphingolipid Uptake by Cultured Cells. Journal of Biological Chemistry, 2005, 280, 2668-2675. | 1.6 | 45 |
| 126 | Identification of plasma membrane associated mature Î²-hexosaminidase A, active towards GM2 ganglioside, in human fibroblasts. FEBS Letters, 2005, 579, 5501-5506. | 1.3 | 45 |

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| 127 | The Plasma Membrane-associated Sialidase MmNEU3 Modifies the Ganglioside Pattern of Adjacent Cells Supporting Its Involvement in Cell-to-Cell Interactions. Journal of Biological Chemistry, 2004, 279, 16989-16995. | 1.6 | 130 |
| 128 | Association of rat8 with Fyn protein kinase via lipid rafts is required for rat mammary cell differentiationin vitro. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1880-1885. | 3.3 | 24 |
| 129 | Interactions between gangliosides and proteins in the exoplasmic leaflet of neuronal plasma membranes: A study performed with a tritium-labeled GM1 derivative containing a photoactivable group linked to the oligosaccharide chain. Glycoconjugate Journal, 2004, 21, 461-470. | 1.4 | 24 |
| 130 | Identification of the Fenretinide Metabolite 4-Oxo-Fenretinide Present in Human Plasma and Formed in Human Ovarian Carcinoma Cells through Induction of Cytochrome P450 26A1. Clinical Cancer Research, 2004, 10, 6265-6275. | 3.2 | 37 |
| 131 | Synthesis of radioactive and photoactivable ganglioside derivatives for the study of ganglioside-protein interactions. Glycoconjugate Journal, 2003, 20, 11-23. | 1.4 | 26 |
| 132 | The adhesion protein TAGâ€1 has a ganglioside environment in the sphingolipidâ€enriched membrane domains of neuronal cells in culture. Journal of Neurochemistry, 2003, 85, 224-233. | 2.1 | 42 |
| 133 | Procedure for separation of GM2 ganglioside species with different ceramide structures by a flash reversed-phase silica gel liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 796, 1-10. | 1.2 | 4 |
| 134 | Dynamics of membrane lipid domains in neuronal cells differentiated in culture. Journal of Lipid Research, 2003, 44, 2142-2151. | 2.0 | 72 |
| 135 | Altered Sphingolipid Metabolism inN-(4-Hydroxyphenyl)- retinamide-resistant A2780 Human Ovarian Carcinoma Cells. Journal of Biological Chemistry, 2003, 278, 5574-5583. | 1.6 | 62 |
| 136 | Structural Basis for the Enzymatic Resistance of the GM2 Ganglioside. Methods in Enzymology, 2003, 363, 242-264. | 0.4 | 2 |
| 137 | Absence of Metabolic Cross-correction in Tay-Sachs Cells. Journal of Biological Chemistry, 2002, 277, 20177-20184. | 1.6 | 32 |
| 138 | Preparation and Use of Liposomes for the Study of Sphingolipid Segregation in Membrane Model Systems. , 2002, 199, 17-28. | | 8 |
| 139 | Interaction of Human Substantia Nigra Neuromelanin with Lipids and Peptides. Journal of Neurochemistry, 2002, 74, 1758-1765. | 2.1 | 91 |
| 140 | Changes of Free Long-Chain Bases in Neuronal Cells During Differentiation and Aging in Culture. Journal of Neurochemistry, 2002, 67, 1866-1871. | 2.1 | 15 |
| 141 | Sphingolipid metabolism and caveolin expression in gonadotropin-releasing hormone-expressing GN11 and gonadotropin-releasing hormone-secreting GT1-7 neuronal cells. Neurochemical Research, 2002, 27, 831-840. | 1.6 | 27 |
| 142 | Mimicking gangliosides by design: mimics of GM1 headgroup. Neurochemical Research, 2002, 27, 539-545. | 1.6 | 23 |
| 143 | Restoration of the GM2 ganglioside metabolism in bone marrow-derived stromal cells from Tay-Sachs disease animal model. Neurochemical Research, 2002, 27, 793-800. | 1.6 | 31 |
| 144 | Structure of the main ganglioside from the brain of Xenopus laevis. Glycoconjugate Journal, 2002, 19, 53-57. | 1.4 | 4 |

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| 145 | Changes of the ganglioside pattern and content in human fibroblasts by high density cell population subculture progression. Glycoconjugate Journal, 2002, 19, 181-186. | 1.4 | 6 |
| 146 | GM3 Ganglioside Inhibits CD9-Facilitated Haptotactic Cell Motility:Â Coexpression of GM3 and CD9 Is Essential in the Downregulation of Tumor Cell Motility and Malignancyâ€. Biochemistry, 2001, 40, 6414-6421. | 1.2 | 140 |
| 147 | Immunoseparation of sphingolipid-enriched membrane domains enriched in Src family protein tyrosine kinases and in the neuronal adhesion molecule TAG-1 by anti-GD3 ganglioside monoclonal antibody. Journal of Neurochemistry, 2001, 78, 1162-1167. | 2.1 | 73 |
| 148 | Exogenous Sphingosine Enters Xenopus Laevis Embryos Grown in Petri Dishes and It Is Metabolized. Bioscience Reports, 2001, 21, 719-731. | 1.1 | 2 |
| 149 | Changes in the Lipid Turnover, Composition, and Organization, as Sphingolipid-enriched Membrane Domains, in Rat Cerebellar Granule Cells Developing in Vitro. Journal of Biological Chemistry, 2001, 276, 21136-21145. | 1.6 | 163 |
| 150 | Preparation of deacetyl-, lyso-, and deacetyl-lyso-GM3 by selective alkaline hydrolysis of GM3 ganglioside. Journal of Lipid Research, 2001, 42, 1318-1324. | 2.0 | 13 |
| 151 | Role of Glycosphingolipids in Formation and Function of Membrane Microdomains. Trends in Glycoscience and Glycotechnology, 2001, 13, 239-250. | 0.0 | 8 |
| 152 | Use of Nuclear Magnetic Resonance Spectroscopy in Evaluation of Ganglioside Structure, Conformation, and Dynamics. Methods in Enzymology, 2000, 312, 247-272. | 0.4 | 22 |
| 153 | [50] Preparation of radioactive gangliosides, 3H or 14C isotopically labeled at oligosaccharide or ceramide moieties. Methods in Enzymology, 2000, 311, 639-656. | 0.4 | 31 |
| 154 | Evidence that ganglioside enriched domains are distinct from caveolae in MDCKâ€ƒII and human fibroblast cells in culture. FEBS Journal, 2000, 267, 4187-4197. | 0.2 | 76 |
| 155 | Second generation mimics of ganglioside GM1 as artificial receptors for cholera toxin: replacement of the sialic acid moiety. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 2197-2200. | 1.0 | 30 |
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