

Alessandro Prinetti

List of Publications by Year in descending order

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123
papers

6,656
citations

57758

44
h-index

69250

77
g-index

127
all docs

127
docs citations

127
times ranked

6403
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive Accumulation of Sphingomyelin Affects the Lysosomal and Mitochondria Compartments and Promotes Apoptosis in Niemann-Pick Disease Type A. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1482-1499.	2.3	5
2	The role of Sphingolipids in myelination and myelin stability and their involvement in childhood and adult demyelinating disorders. <i>Journal of Neurochemistry</i> , 2021, 156, 403-414.	3.9	41
3	Lipid rafts as platforms for sphingosine 1-phosphate metabolism and signalling. <i>Cellular Signalling</i> , 2021, 80, 109929.	3.6	13
4	The Role of Sphingolipids in Cancer Immunotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6492.	4.1	11
5	Isolation and Analysis of Lipid Rafts from Neural Cells and Tissues. <i>Methods in Molecular Biology</i> , 2021, 2187, 1-25.	0.9	2
6	Glycosphingolipids. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1325, 61-102.	1.6	11
7	Lipid rafts and neurodegeneration: structural and functional roles in physiologic aging and neurodegenerative diseases. <i>Journal of Lipid Research</i> , 2020, 61, 636-654.	4.2	88
8	Homeostatic and pathogenic roles of <sc>GM</sc> 3 ganglioside molecular species in <sc>TLR</sc> 4 signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	7.8	25
9	Sphingolipids and neuronal degeneration in lysosomal storage disorders. <i>Journal of Neurochemistry</i> , 2019, 148, 600-611.	3.9	37
10	Sphingosine 1-Phosphate Receptors and Metabolic Enzymes as Druggable Targets for Brain Diseases. <i>Frontiers in Pharmacology</i> , 2019, 10, 807.	3.5	72
11	Human Remyelination Promoting Antibody Stimulates Astrocytes Proliferation Through Modulation of the Sphingolipid Rheostat in Primary Rat Mixed Glial Cultures. <i>Neurochemical Research</i> , 2019, 44, 1460-1474.	3.3	8
12	On the use of cholera toxin. <i>Glycoconjugate Journal</i> , 2018, 35, 161-163.	2.7	14
13	Abiraterone and Ionizing Radiation Alter the Sphingolipid Homeostasis in Prostate Cancer Cells. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1112, 293-307.	1.6	5
14	Introduction: the Glycobiology of nervous system. <i>Glycoconjugate Journal</i> , 2018, 35, 343-344.	2.7	1
15	A lysosomeâ€plasma membraneâ€sphingolipid axis linking lysosomal storage to cell growth arrest. <i>FASEB Journal</i> , 2018, 32, 5685-5702.	0.5	32
16	Neuronal membrane dynamics as fine regulator of sphingolipid composition. <i>Glycoconjugate Journal</i> , 2018, 35, 397-402.	2.7	6
17	Neuromelanin organelles are specialized autolysosomes that accumulate undegraded proteins and lipids in aging human brain and are likely involved in Parkinsonâ€™s disease. <i>Npj Parkinson's Disease</i> , 2018, 4, 17.	5.3	101
18	Gangliosides in Membrane Organization. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 156, 83-120.	1.7	48

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19	Chemical and Physicochemical Properties of Gangliosides. <i>Methods in Molecular Biology</i> , 2018, 1804, 1-17.	0.9	5
20	Serum Antibodies to Glycans in Peripheral Neuropathies. <i>Molecular Neurobiology</i> , 2017, 54, 1564-1567.	4.0	9
21	Altered expression of ganglioside GM3 molecular species and a potential regulatory role during myoblast differentiation. <i>Journal of Biological Chemistry</i> , 2017, 292, 7040-7051.	3.4	15
22	<scp>FABP</scp> 1 in wonderland. <i>Journal of Neurochemistry</i> , 2016, 138, 371-373.	3.9	7
23	The role of sphingolipids in neuronal plasticity of the brain. <i>Journal of Neurochemistry</i> , 2016, 137, 485-488.	3.9	33
24	Lipoarabinomannan binding to lactosylceramide in lipid rafts is essential for the phagocytosis of mycobacteria by human neutrophils. <i>Science Signaling</i> , 2016, 9, ra101.	3.6	58
25	The Role of 3-O-Sulfogalactosylceramide, Sulfatide, in the Lateral Organization of Myelin Membrane. <i>Neurochemical Research</i> , 2016, 41, 130-143.	3.3	35
26	GM1 Ganglioside: Past Studies and Future Potential. <i>Molecular Neurobiology</i> , 2016, 53, 1824-1842.	4.0	112
27	Isolation and Analysis of Detergent-Resistant Membrane Fractions. <i>Methods in Molecular Biology</i> , 2016, 1376, 107-131.	0.9	17
28	Identification of the antigen recognized by rHlgM22, a remyelination-promoting human monoclonal antibody. <i>SpringerPlus</i> , 2015, 4, .	1.2	1
29	Glycohydrolases in the central nervous system: the role of GBA2 in the neuronal differentiation. <i>SpringerPlus</i> , 2015, 4, .	1.2	0
30	Membrane lipid domains in the nervous system. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 280-302.	3.0	28
31	Direct interaction, instrumental for signaling processes, between LacCer and Lyn in the lipid rafts of neutrophil-like cells. <i>Journal of Lipid Research</i> , 2015, 56, 129-141.	4.2	46
32	Lipid membrane domains in the brain. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1006-1016.	2.4	106
33	Phosphatidic acid-mediated activation and translocation to the cell surface of sialidase NEU3, promoting signaling for cell migration. <i>FASEB Journal</i> , 2015, 29, 2099-2111.	0.5	23
34	Exploring the link between ceramide and ionizing radiation. <i>Glycoconjugate Journal</i> , 2014, 31, 449-459.	2.7	34
35	Lipid Rafts in Neurodegeneration and Neuroprotection. <i>Molecular Neurobiology</i> , 2014, 50, 130-148.	4.0	74
36	Chaperone Therapy for GM2 Gangliosidosis: Effects of Pyrimethamine on β 2-Hexosaminidase Activity in Sandhoff Fibroblasts. <i>Molecular Neurobiology</i> , 2014, 50, 159-167.	4.0	30

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37	The Glycosphingolipid Hydrolases in the Central Nervous System. <i>Molecular Neurobiology</i> , 2014, 50, 76-87.	4.0	11
38	Gangliosides and Cell Surface Ganglioside Glycohydrolases in the Nervous System. <i>Advances in Neurobiology</i> , 2014, 9, 223-244.	1.8	15
39	Gangliosides as regulators of cell signaling: ganglioside-protein interactions or ganglioside-driven membrane organization?. <i>Journal of Neurochemistry</i> , 2013, 124, 432-435.	3.9	33
40	The oxysterol-CXCR2 axis plays a key role in the recruitment of tumor-promoting neutrophils. <i>Journal of Experimental Medicine</i> , 2013, 210, 1711-1728.	8.5	167
41	Abstract LB-346: The Oxysterol-CXCR2 axis plays a key role in the recruitment of tumor promoting neutrophils.. , 2013, , .		0
42	Interactions Between Caveolin-1 and Sphingolipids, and Their Functional Relevance. <i>Advances in Experimental Medicine and Biology</i> , 2012, 749, 97-115.	1.6	4
43	Cell surface associated glycohydrolases in normal and Gaucher disease fibroblasts. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 1081-1091.	3.6	35
44	Ionizing radiations increase the activity of the cell surface glycohydrolases and the plasma membrane ceramide content. <i>Glycoconjugate Journal</i> , 2012, 29, 585-597.	2.7	22
45	Plasma Membrane-Associated Glycohydrolases Along Differentiation of Murine Neural Stem Cells. <i>Neurochemical Research</i> , 2012, 37, 1344-1354.	3.3	19
46	Plasma Membrane-Associated Glycohydrolases Activation by Extracellular Acidification due to Proton Exchangers. <i>Neurochemical Research</i> , 2012, 37, 1296-1307.	3.3	14
47	Aberrant Glycosphingolipid Expression and Membrane Organization in Tumor Cells: Consequences on Tumor-Host Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2011, 705, 643-667.	1.6	10
48	Cell surface sphingolipid glycohydrolases in neuronal differentiation and aging in culture. <i>Journal of Neurochemistry</i> , 2011, 116, 891-899.	3.9	44
49	Brain pathology in Niemann Pick disease type A: insights from the acid sphingomyelinase knockout mice. <i>Journal of Neurochemistry</i> , 2011, 116, 779-788.	3.9	61
50	The Fourth ISN Special Neurochemistry Conference - Membrane domains in CNS Physiology and Pathology, Erice, Trapani, Sicily, 22-26 May 2010. <i>Journal of Neurochemistry</i> , 2011, 116, 669-670.	3.9	1
51	Going the wrong road: Fyn and targeting of amyloid precursor protein to lipid rafts. <i>Journal of Neurochemistry</i> , 2011, 118, 677-679.	3.9	4
52	Gangliosides and the multiscale modulation of membrane structure. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 796-810.	3.2	47
53	Remodeling of Sphingolipids by Plasma Membrane Associated Enzymes. <i>Neurochemical Research</i> , 2011, 36, 1636-1644.	3.3	32
54	Secondary Alterations of Sphingolipid Metabolism in Lysosomal Storage Diseases. <i>Neurochemical Research</i> , 2011, 36, 1654-1668.	3.3	31

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55	A Glycosphingolipid/Caveolin-1 Signaling Complex Inhibits Motility of Human Ovarian Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 40900-40910.	3.4	31
56	Role of Gangliosides and Plasma Membrane-Associated Sialidase in the Process of Cell Membrane Organization. <i>Advances in Experimental Medicine and Biology</i> , 2011, 705, 297-316.	1.6	10
57	Deregulated Sphingolipid Metabolism and Membrane Organization in Neurodegenerative Disorders. <i>Molecular Neurobiology</i> , 2010, 41, 314-340.	4.0	117
58	Fine tuning of cell functions through remodeling of glycosphingolipids by plasma membrane-associated glycohydrolases. <i>FEBS Letters</i> , 2010, 584, 1914-1922.	2.8	40
59	Tumor-mediated liver X receptor-1 activation inhibits CC chemokine receptor-7 expression on dendritic cells and dampens antitumor responses. <i>Nature Medicine</i> , 2010, 16, 98-105.	30.7	275
60	Lipids and Membrane Lateral Organization. <i>Frontiers in Physiology</i> , 2010, 1, 153.	2.8	41
61	GM3 synthase overexpression results in reduced cell motility and in caveolin-1 upregulation in human ovarian carcinoma cells. <i>Glycobiology</i> , 2010, 20, 62-77.	2.5	47
62	Photoactivable sphingosine as a tool to study membrane microenvironments in cultured cells. <i>Journal of Lipid Research</i> , 2010, 51, 798-808.	4.2	10
63	Sphingolipidomics of A2780 human ovarian carcinoma cells treated with synthetic retinoids. <i>Journal of Lipid Research</i> , 2010, 51, 1832-1840.	4.2	23
64	Sphingosine Kinase Mediates Resistance to the Synthetic Retinoid N-(4-Hydroxyphenyl)retinamide in Human Ovarian Cancer Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 18594-18602.	3.4	43
65	Gangliosides as Regulators of Cell Membrane Organization and Functions. <i>Advances in Experimental Medicine and Biology</i> , 2010, 688, 165-184.	1.6	49
66	Sphingolipids and membrane environments for caveolin. <i>FEBS Letters</i> , 2009, 583, 597-606.	2.8	53
67	Activity of plasma membrane β -galactosidase and β -glucosidase. <i>FEBS Letters</i> , 2009, 583, 2469-2473.	2.8	51
68	Thin layer chromatography of gangliosides. <i>Glycoconjugate Journal</i> , 2009, 26, 961-973.	2.7	32
69	Brain lipid composition in grey-lethal mutant mouse characterized by severe malignant osteopetrosis. <i>Glycoconjugate Journal</i> , 2009, 26, 623-633.	2.7	17
70	Role of very long fatty acid-containing glycosphingolipids in membrane organization and cell signaling: the model of lactosylceramide in neutrophils. <i>Glycoconjugate Journal</i> , 2009, 26, 615-621.	2.7	49
71	Alterations of myelin-specific proteins and sphingolipids characterize the brains of acid sphingomyelinase-deficient mice, an animal model of Niemann-Pick disease type A. <i>Journal of Neurochemistry</i> , 2009, 109, 105-115.	3.9	30
72	Glycosphingolipid behaviour in complex membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 184-193.	2.6	128

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73	Involvement of very long fatty acid-containing lactosylceramide in lactosylceramide-mediated superoxide generation and migration in neutrophils. <i>Glycoconjugate Journal</i> , 2008, 25, 357-374.	2.7	101
74	Lipid content of brain, brain membrane lipid domains, and neurons from acid sphingomyelinase deficient mice. <i>Journal of Neurochemistry</i> , 2008, 107, 329-338.	3.9	53
75	Regulation of tumor phenotypes by caveolin-1 and sphingolipid-controlled membrane signaling complexes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 585-596.	2.4	15
76	uPA binding increases UPAR localization to lipid rafts and modifies the receptor microdomain composition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 250-259.	2.6	21
77	Lyn-coupled LacCer-enriched lipid rafts are required for CD11b/CD18-mediated neutrophil phagocytosis of nonopsonized microorganisms. <i>Journal of Leukocyte Biology</i> , 2008, 83, 728-741.	3.3	83
78	Selected natural and synthetic retinoids impair CCR7- and CXCR4-dependent cell migration in vitro and in vivo. <i>Journal of Leukocyte Biology</i> , 2008, 84, 871-879.	3.3	23
79	Dissociation of the insulin receptor and caveolin-1 complex by ganglioside GM3 in the state of insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13678-13683.	7.1	344
80	Ceramide and sphingomyelin species of fibroblasts and neurons in culture. <i>Journal of Lipid Research</i> , 2007, 48, 417-424.	4.2	57
81	Nitric Oxide Boosts Chemoimmunotherapy via Inhibition of Acid Sphingomyelinase in a Mouse Model of Melanoma. <i>Cancer Research</i> , 2007, 67, 7559-7564.	0.9	63
82	Gangliosides as components of lipid membrane domains. <i>Glycobiology</i> , 2007, 17, 1R-13R.	2.5	296
83	Induction of axonal differentiation by silencing plasma membrane-associated sialidase Neu3 in neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2007, 100, 708-719.	3.9	37
84	Modulation of cell functions by glycosphingolipid metabolic remodeling in the plasma membrane. <i>Journal of Neurochemistry</i> , 2007, 103, 113-125.	3.9	30
85	Reorganization of prion protein membrane environment during low potassium-induced apoptosis in primary rat cerebellar neurons. <i>Journal of Neurochemistry</i> , 2007, 103, 1954-1967.	3.9	13
86	Dynamic and Structural Properties of Sphingolipids as Driving Forces for the Formation of Membrane Domains. <i>Chemical Reviews</i> , 2006, 106, 2111-2125.	47.7	167
87	Analysis of detergent-resistant membranes associated with apical and basolateral GPI-anchored proteins in polarized epithelial cells. <i>FEBS Letters</i> , 2006, 580, 5705-5712.	2.8	19
88	Lack of ceramide generation and altered sphingolipid composition are associated with drug resistance in human ovarian carcinoma cells. <i>Biochemical Journal</i> , 2006, 395, 311-318.	3.7	41
89	Efflux of sphingolipids metabolically labeled with [1-3H]sphingosine, L-[3-3H]serine and [9,10-3H]palmitic acid from normal cells in culture. <i>Glycoconjugate Journal</i> , 2006, 23, 159-165.	2.7	17
90	4-Oxo-Fenretinide, a Recently Identified Fenretinide Metabolite, Induces Marked G2-M Cell Cycle Arrest and Apoptosis in Fenretinide-Sensitive and Fenretinide-Resistant Cell Lines. <i>Cancer Research</i> , 2006, 66, 3238-3247.	0.9	47

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91	Plasma membrane production of ceramide from ganglioside GM3 in human fibroblasts. <i>FASEB Journal</i> , 2006, 20, 1227-1229.	0.5	106
92	The membrane environment of endogenous cellular prion protein in primary rat cerebellar neurons. <i>Journal of Neurochemistry</i> , 2005, 95, 771-783.	3.9	48
93	DHCR24 gene expression is upregulated in melanoma metastases and associated to resistance to oxidative stress-induced apoptosis. <i>International Journal of Cancer</i> , 2005, 115, 224-230.	5.1	72
94	Sphingolipid Uptake by Cultured Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 2668-2675.	3.4	45
95	The Plasma Membrane-associated Sialidase MmNEU3 Modifies the Ganglioside Pattern of Adjacent Cells Supporting Its Involvement in Cell-to-Cell Interactions. <i>Journal of Biological Chemistry</i> , 2004, 279, 16989-16995.	3.4	130
96	Association of rat8 with Fyn protein kinase via lipid rafts is required for rat mammary cell differentiation in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1880-1885.	7.1	24
97	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. <i>Glycoconjugate Journal</i> , 2004, 21, 461-470.	2.7	24
98	Synthesis of radioactive and photoactivable ganglioside derivatives for the study of ganglioside-protein interactions. <i>Glycoconjugate Journal</i> , 2003, 20, 11-23.	2.7	26
99	The adhesion protein TAG-1 has a ganglioside environment in the sphingolipid-enriched membrane domains of neuronal cells in culture. <i>Journal of Neurochemistry</i> , 2003, 85, 224-233.	3.9	42
100	Dynamics of membrane lipid domains in neuronal cells differentiated in culture. <i>Journal of Lipid Research</i> , 2003, 44, 2142-2151.	4.2	72
101	Altered Sphingolipid Metabolism in N-(4-Hydroxyphenyl)-retinamide-resistant A2780 Human Ovarian Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 5574-5583.	3.4	62
102	Sphingolipid metabolism and caveolin expression in gonadotropin-releasing hormone-expressing GN11 and gonadotropin-releasing hormone-secreting GT1-7 neuronal cells. <i>Neurochemical Research</i> , 2002, 27, 831-840.	3.3	27
103	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. <i>Journal of Neurochemistry</i> , 2001, 78, 1162-1167.	3.9	73
104	Up-regulation of prosaposin by the retinoid HPR and the effect on ceramide production and integrin receptors. <i>FASEB Journal</i> , 2001, 15, 1475-1477.	0.5	15
105	Changes in the Lipid Turnover, Composition, and Organization, as Sphingolipid-enriched Membrane Domains, in Rat Cerebellar Granule Cells Developing in Vitro. <i>Journal of Biological Chemistry</i> , 2001, 276, 21136-21145.	3.4	163
106	New approaches to the study of sphingolipid enriched membrane domains: the use of electron microscopic autoradiography to reveal metabolically tritium labeled sphingolipids in cell cultures. <i>Glycoconjugate Journal</i> , 2000, 17, 261-268.	2.7	5
107	Association of Src-family protein tyrosine kinases with sphingolipids in rat cerebellar granule cells differentiated in culture. <i>Glycoconjugate Journal</i> , 2000, 17, 223-232.	2.7	46
108	Sphingolipid-enriched Membrane Domains from Rat Cerebellar Granule Cells Differentiated in Culture. <i>Journal of Biological Chemistry</i> , 2000, 275, 11658-11665.	3.4	151

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109	Glycosphingolipid-enriched Signaling Domain in Mouse Neuroblastoma Neuro2a Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 20916-20924.	3.4	165
110	Predominance of the acylation route in the metabolic processing of exogenous sphingosine in neural and extraneural cells in culture. <i>Biochemical Journal</i> , 1999, 338, 147.	3.7	7
111	Predominance of the acylation route in the metabolic processing of exogenous sphingosine in neural and extraneural cells in culture. <i>Biochemical Journal</i> , 1999, 338, 147-151.	3.7	25
112	Metabolic Fate of Exogenous Sphingosine in Neuroblastoma Neuro2A Cells: Dose-dependence and Biological Effects. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 46-56.	3.8	16
113	GM3-enriched Microdomain Involved in Cell Adhesion and Signal Transduction through Carbohydrate-Carbohydrate Interaction in Mouse Melanoma B16 Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 9130-9138.	3.4	280
114	New insights in glycosphingolipid function: "glycosignaling domain," a cell surface assembly of glycosphingolipids with signal transducer molecules, involved in cell adhesion coupled with signaling. <i>Glycobiology</i> , 1998, 8, xi-xviii.	2.5	291
115	The Effects of Exogenous Sphingosine on Neuro2a Cells Are Strictly Related to the Overall Capacity of Cells to Metabolize Sphingosine. <i>Journal of Biochemistry</i> , 1998, 124, 900-904.	1.7	11
116	Involvement of a ceramide activated protein phosphatase in the differentiation of neuroblastoma Neuro2a cells. <i>FEBS Letters</i> , 1997, 414, 475-479.	2.8	29
117	The role of sphingolipids in the process of signal transduction. <i>Progress in Lipid Research</i> , 1997, 36, 153-195.	11.6	182
118	Sphingoid bioregulators in the differentiation of cells of neural origin. <i>Journal of Lipid Mediators and Cell Signalling</i> , 1996, 14, 263-275.	0.9	24
119	Salvage of catabolic products in ganglioside metabolism: a study on rat cerebellar granule cells in culture. <i>FEBS Letters</i> , 1996, 391, 336-340.	2.8	27
120	A Mediator Role of Ceramide in the Regulation of Neuroblastoma Neuro2a Cell Differentiation. <i>Journal of Biological Chemistry</i> , 1995, 270, 26868-26875.	3.4	153
121	Formation of bioactive sphingoid molecules from exogenous sphingomyelin in primary cultures of neurons and astrocytes. <i>FEBS Letters</i> , 1994, 352, 323-326.	2.8	29
122	Cerebellar granule cells in culture exhibit a ganglioside-sialidase presumably linked to the plasma membrane. <i>FEBS Letters</i> , 1991, 287, 42-46.	2.8	32
123	Patterns of endogenous gangliosides and metabolic processing of exogenous gangliosides in cerebellar granule cells during differentiation in culture. <i>Neurochemical Research</i> , 1990, 15, 1175-1183.	3.3	66