Alessandro Prinetti

List of Publications by Year
in descending order

123 papers	6,656 citations	57752 44 h-index	69246 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. Journal of Molecular Neuroscience, 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. Journal of Neurochemistry, 2021, 156, 403-414.	3.9	41
3	Lipid rafts as platforms for sphingosine 1-phosphate metabolism and signalling. Cellular Signalling, 2021, 80, 109929.	3.6	13
4	The Role of Sphingolipids in Cancer Immunotherapy. International Journal of Molecular Sciences, 2021, 22, 6492.	4.1	11
5	Isolation and Analysis of Lipid Rafts from Neural Cells and Tissues. Methods in Molecular Biology, 2021, 2187, 1-25.	0.9	2
6	Glycosphingolipids. Advances in Experimental Medicine and Biology, 2021, 1325, 61-102.	1.6	11
7	Lipid rafts and neurodegeneration: structural and functional roles in physiologic aging and neurodegenerative diseases. Journal of Lipid Research, 2020, 61, 636-654.	4.2	88
8	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.	7.8	25
9	Sphingolipids and neuronal degeneration in lysosomal storage disorders. Journal of Neurochemistry, 2019, 148, 600-611.	3.9	37
10	Sphingosine 1-Phosphate Receptors and Metabolic Enzymes as Druggable Targets for Brain Diseases. Frontiers in Pharmacology, 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. Neurochemical Research, 2019, 44, 1460-1474.	3.3	8
12	On the use of cholera toxin. Glycoconjugate Journal, 2018, 35, 161-163.	2.7	14
13	Abiraterone and Ionizing Radiation Alter the Sphingolipid Homeostasis in Prostate Cancer Cells. Advances in Experimental Medicine and Biology, 2018, 1112, 293-307.	1.6	5
14	Introduction: the Glycobiology of nervous system. Glycoconjugate Journal, 2018, 35, 343-344.	2.7	1
15	A lysosomeâ€plasma membraneâ€sphingolipid axis linking lysosomal storage to cell growth arrest. FASEB Journal, 2018, 32, 5685-5702.	0.5	32
16	Neuronal membrane dynamics as fine regulator of sphingolipid composition. Glycoconjugate Journal, 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. Npj Parkinson's Disease, 2018, 4, 17.	5.3	101
18	Gangliosides in Membrane Organization. Progress in Molecular Biology and Translational Science, 2018, 156, 83-120.	1.7	48

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19	Chemical and Physicochemical Properties of Gangliosides. Methods in Molecular Biology, 2018, 1804, 1-17.	0.9	5
20	Serum Antibodies to Glycans in Peripheral Neuropathies. Molecular Neurobiology, 2017, 54, 1564-1567.	4.0	9
21	Altered expression of ganglioside GM3 molecular species and a potential regulatory role during myoblast differentiation. Journal of Biological Chemistry, 2017, 292, 7040-7051.	3.4	15
22	<scp>FABP</scp>1 in wonderland. Journal of Neurochemistry, 2016, 138, 371-373.	3.9	7
23	The role of sphingolipids in neuronal plasticity of the brain. Journal of Neurochemistry, 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. Science Signaling, 2016, 9, ra101.	3.6	58
25	The Role of 3-O-Sulfogalactosylceramide, Sulfatide, in the Lateral Organization of Myelin Membrane. Neurochemical Research, 2016, 41, 130-143.	3.3	35
26	GM1 Ganglioside: Past Studies and Future Potential. Molecular Neurobiology, 2016, 53, 1824-1842.	4.0	112
27	Isolation and Analysis of Detergent-Resistant Membrane Fractions. Methods in Molecular Biology, 2016, 1376, 107-131.	0.9	17
28	Identification of the antigen recognized by rHIgM22, a remyelination-promoting human monoclonal antibody. SpringerPlus, 2015, 4, .	1.2	1
29	Glycohydrolases in the central nervous system: the role of GBA2 in the neuronal differentiation. SpringerPlus, 2015, 4, .	1.2	0
30	Membrane lipid domains in the nervous system. Frontiers in Bioscience - Landmark, 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. Journal of Lipid Research, 2015, 56, 129-141.	4.2	46
32	Lipid membrane domains in the brain. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1006-1016.	2.4	106
33	Phosphatidic acidâ€mediated activation and translocation to the cell surface of sialidase NEU3, promoting signaling for cell migration. FASEB Journal, 2015, 29, 2099-2111.	0.5	23
34	Exploring the link between ceramide and ionizing radiation. Glycoconjugate Journal, 2014, 31, 449-459.	2.7	34
35	Lipid Rafts in Neurodegeneration and Neuroprotection. Molecular Neurobiology, 2014, 50, 130-148.	4.0	74
36	Chaperone Therapy for GM2 Gangliosidosis: Effects of Pyrimethamine on Î²-Hexosaminidase Activity in Sandhoff Fibroblasts. Molecular Neurobiology, 2014, 50, 159-167.	4.0	30

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37	The Glycosphingolipid Hydrolases in the Central Nervous System. Molecular Neurobiology, 2014, 50, 76-87.	4.0	11
38	Gangliosides and Cell Surface Ganglioside Glycohydrolases in the Nervous System. Advances in Neurobiology, 2014, 9, 223-244.	1.8	15
39	Gangliosides as regulators of cell signaling: gangliosideâ€protein interactions or gangliosideâ€driven membrane organization?. Journal of Neurochemistry, 2013, 124, 432-435.	3.9	33
40	The oxysterolâ€“CXCR2 axis plays a key role in the recruitment of tumor-promoting neutrophils. Journal of Experimental Medicine, 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. Advances in Experimental Medicine and Biology, 2012, 749, 97-115.	1.6	4
43	Cell surface associated glycohydrolases in normal and Gaucher disease fibroblasts. Journal of Inherited Metabolic Disease, 2012, 35, 1081-1091.	3.6	35
44	Ionizing radiations increase the activity of the cell surface glycohydrolases and the plasma membrane ceramide content. Glycoconjugate Journal, 2012, 29, 585-597.	2.7	22
45	Plasma Membrane-Associated Glycohydrolases Along Differentiation of Murine Neural Stem Cells. Neurochemical Research, 2012, 37, 1344-1354.	3.3	19
46	Plasma Membrane-Associated Glycohydrolases Activation by Extracellular Acidification due to Proton Exchangers. Neurochemical Research, 2012, 37, 1296-1307.	3.3	14
47	Aberrant Glycosphingolipid Expression and Membrane Organization in Tumor Cells: Consequences on Tumorâ€“Host Interactions. Advances in Experimental Medicine and Biology, 2011, 705, 643-667.	1.6	10
48	Cell surface sphingolipid glycohydrolases in neuronal differentiation and aging in culture. Journal of Neurochemistry, 2011, 116, 891-899.	3.9	44
49	Brain pathology in Niemann Pick disease type A: insights from the acid sphingomyelinase knockout mice. Journal of Neurochemistry, 2011, 116, 779-788.	3.9	61
50	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.	3.9	1
51	Going the wrong road: Fyn and targeting of amyloid precursor protein to lipid rafts. Journal of Neurochemistry, 2011, 118, 677-679.	3.9	4
52	Gangliosides and the multiscale modulation of membrane structure. Chemistry and Physics of Lipids, 2011, 164, 796-810.	3.2	47
53	Remodeling of Sphingolipids by Plasma Membrane Associated Enzymes. Neurochemical Research, 2011, 36, 1636-1644.	3.3	32
54	Secondary Alterations of Sphingolipid Metabolism in Lysosomal Storage Diseases. Neurochemical Research, 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. Journal of Biological Chemistry, 2011, 286, 40900-40910.	3.4	31
56	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.	1.6	10
57	Deregulated Sphingolipid Metabolism and Membrane Organization in Neurodegenerative Disorders. Molecular Neurobiology, 2010, 41, 314-340.	4.0	117
58	Fine tuning of cell functions through remodeling of glycosphingolipids by plasma membraneâ€associated glycohydrolases. FEBS Letters, 2010, 584, 1914-1922.	2.8	40
59	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.	30.7	275
60	Lipids and Membrane Lateral Organization. Frontiers in Physiology, 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. Glycobiology, 2010, 20, 62-77.	2.5	47
62	Photoactivable sphingosine as a tool to study membrane microenvironments in cultured cells. Journal of Lipid Research, 2010, 51, 798-808.	4.2	10
63	Sphingolipidomics of A2780 human ovarian carcinoma cells treated with synthetic retinoids. Journal of Lipid Research, 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. Journal of Biological Chemistry, 2010, 285, 18594-18602.	3.4	43
65	Gangliosides as Regulators of Cell Membrane Organization and Functions. Advances in Experimental Medicine and Biology, 2010, 688, 165-184.	1.6	49
66	Sphingolipids and membrane environments for caveolin. FEBS Letters, 2009, 583, 597-606.	2.8	53
67	Activity of plasma membrane Î²â€galactosidase and Î²â€glucosidase. FEBS Letters, 2009, 583, 2469-2473.	2.8	51
68	Thin layer chromatography of gangliosides. Glycoconjugate Journal, 2009, 26, 961-973.	2.7	32
69	Brain lipid composition in grey-lethal mutant mouse characterized by severe malignant osteopetrosis. Glycoconjugate Journal, 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. Glycoconjugate Journal, 2009, 26, 615-621.	2.7	49
71	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.	3.9	30
72	Glycosphingolipid behaviour in complex membranes. Biochimica Et Biophysica Acta - Biomembranes, 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. Glycoconjugate Journal, 2008, 25, 357-374.	2.7	101
74	Lipid content of brain, brain membrane lipid domains, and neurons from acid sphingomyelinase deficient mice. Journal of Neurochemistry, 2008, 107, 329-338.	3.9	53
75	Regulation of tumor phenotypes by caveolin-1 and sphingolipid-controlled membrane signaling complexes. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 585-596.	2.4	15
76	uPA binding increases UPAR localization to lipid rafts and modifies the receptor microdomain composition. Biochimica Et Biophysica Acta - Biomembranes, 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. Journal of Leukocyte Biology, 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. Journal of Leukocyte Biology, 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. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13678-13683.	7.1	344
80	Ceramide and sphingomyelin species of fibroblasts and neurons in culture. Journal of Lipid Research, 2007, 48, 417-424.	4.2	57
81	Nitric Oxide Boosts Chemoimmunotherapy via Inhibition of Acid Sphingomyelinase in a Mouse Model of Melanoma. Cancer Research, 2007, 67, 7559-7564.	0.9	63
82	Gangliosides as components of lipid membrane domains. Glycobiology, 2007, 17, 1R-13R.	2.5	296
83	Induction of axonal differentiation by silencing plasma membrane-associated sialidase Neu3 in neuroblastoma cells. Journal of Neurochemistry, 2007, 100, 708-719.	3.9	37
84	Modulation of cell functions by glycosphingolipid metabolic remodeling in the plasma membrane. Journal of Neurochemistry, 2007, 103, 113-125.	3.9	30
85	Reorganization of prion protein membrane environment during low potassium-induced apoptosis in primary rat cerebellar neurons. Journal of Neurochemistry, 2007, 103, 1954-1967.	3.9	13
86	Dynamic and Structural Properties of Sphingolipids as Driving Forces for the Formation of Membrane Domains. Chemical Reviews, 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. FEBS Letters, 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. Biochemical Journal, 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. Glycoconjugate Journal, 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. Cancer Research, 2006, 66, 3238-3247.	0.9	47

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91	Plasma membrane production of ceramide from ganglioside GM3 in human fibroblasts. FASEB Journal, 2006, 20, 1227-1229.	0.5	106
92	The membrane environment of endogenous cellular prion protein in primary rat cerebellar neurons. Journal of Neurochemistry, 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. International Journal of Cancer, 2005, 115, 224-230.	5.1	72
94	Sphingolipid Uptake by Cultured Cells. Journal of Biological Chemistry, 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. Journal of Biological Chemistry, 2004, 279, 16989-16995.	3.4	130
96	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.	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. Glycoconjugate Journal, 2004, 21, 461-470.	2.7	24
98	Synthesis of radioactive and photoactivable ganglioside derivatives for the study of ganglioside-protein interactions. Glycoconjugate Journal, 2003, 20, 11-23.	2.7	26
99	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.	3.9	42
100	Dynamics of membrane lipid domains in neuronal cells differentiated in culture. Journal of Lipid Research, 2003, 44, 2142-2151.	4.2	72
101	Altered Sphingolipid Metabolism inN-(4-Hydroxyphenyl)- retinamide-resistant A2780 Human Ovarian Carcinoma Cells. Journal of Biological Chemistry, 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. Neurochemical Research, 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. Journal of Neurochemistry, 2001, 78, 1162-1167.	3.9	73
104	Upâ€regulation of prosaposin by the retinoid HPR and the effect on ceramide production and integrin receptors. FASEB Journal, 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. Journal of Biological Chemistry, 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. Glycoconjugate Journal, 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. Glycoconjugate Journal, 2000, 17, 223-232.	2.7	46
108	Sphingolipid-enriched Membrane Domains from Rat Cerebellar Granule Cells Differentiated in Culture. Journal of Biological Chemistry, 2000, 275, 11658-11665.	3.4	151

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109	Glycosphingolipid-enriched Signaling Domain in Mouse Neuroblastoma Neuro2a Cells. Journal of Biological Chemistry, 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. Biochemical Journal, 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. Biochemical Journal, 1999, 338, 147-151.	3.7	25
112	Metabolic Fate of Exogenous Sphingosine in Neuroblastoma Neuro2A Cells: Dose-dependence and Biological Effectsa. Annals of the New York Academy of Sciences, 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. Journal of Biological Chemistry, 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. Glycobiology, 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. Journal of Biochemistry, 1998, 124, 900-904.	1.7	11
116	Involvement of a ceramide activated protein phosphatase in the differentiation of neuroblastoma Neuro2a cells. FEBS Letters, 1997, 414, 475-479.	2.8	29
117	The role of sphingolipids in the process of signal transduction. Progress in Lipid Research, 1997, 36, 153-195.	11.6	182
118	Sphingoid bioregulators in the differentiation of cells of neural origin. Journal of Lipid Mediators and Cell Signalling, 1996, 14, 263-275.	0.9	24
119	Salvage of catabolic products in ganglioside metabolism: a study on rat cerebellar granule cells in culture. FEBS Letters, 1996, 391, 336-340.	2.8	27
120	A Mediator Role of Ceramide in the Regulation of Neuroblastoma Neuro2a Cell Differentiation. Journal of Biological Chemistry, 1995, 270, 26868-26875.	3.4	153
121	Formation of bioactive sphingoid molecules from exogenous sphingomyelin in primary cultures of neurons and astrocytes. FEBS Letters, 1994, 352, 323-326.	2.8	29
122	Cerebellar granule cells in culture exhibit a ganglioside-sialidase presumably linked to the plasma membrane. FEBS Letters, 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. Neurochemical Research, 1990, 15, 1175-1183.	3.3	66