

Laura Mauri

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

2,564
citations

218677

26
h-index

206112

48
g-index

67
all docs

67
docs citations

67
times ranked

3193
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel insights on GM1 and Parkinson's disease: A critical review. <i>Glycoconjugate Journal</i> , 2022, 39, 27.	2.7	8
2	Gangliosides and the Treatment of Neurodegenerative Diseases: A Long Italian Tradition. <i>Biomedicines</i> , 2022, 10, 363.	3.2	13
3	Galactocerebrosidase deficiency induces an increase in lactosylceramide content: A new hallmark of Krabbe disease?. <i>International Journal of Biochemistry and Cell Biology</i> , 2022, 145, 106184.	2.8	8
4	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
5	Turning the spotlight on the oligosaccharide chain of GM1 ganglioside. <i>Glycoconjugate Journal</i> , 2021, 38, 101-117.	2.7	19
6	Lipid rafts as platforms for sphingosine 1-phosphate metabolism and signalling. <i>Cellular Signalling</i> , 2021, 80, 109929.	3.6	13
7	The structure of gangliosides hides a code for determining neuronal functions. <i>FEBS Open Bio</i> , 2021, 11, 3193-3200.	2.3	18
8	Isolation and Analysis of Lipid Rafts from Neural Cells and Tissues. <i>Methods in Molecular Biology</i> , 2021, 2187, 1-25.	0.9	2
9	Glycosphingolipids. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1325, 61-102.	1.6	11
10	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
11	Modulation of calcium signaling depends on the oligosaccharide of GM1 in Neuro2a mouse neuroblastoma cells. <i>Glycoconjugate Journal</i> , 2020, 37, 713-727.	2.7	12
12	Homeostatic and pathogenic roles of GM3 ganglioside molecular species in TLR4 signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	7.8	25
13	Gangliosides in the differentiation process of primary neurons: the specific role of GM1-oligosaccharide. <i>Glycoconjugate Journal</i> , 2020, 37, 329-343.	2.7	22
14	GM1 as Adjuvant of Innovative Therapies for Cystic Fibrosis Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4486.	4.1	11
15	GM1 Ganglioside Is A Key Factor in Maintaining the Mammalian Neuronal Functions Avoiding Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 868.	4.1	91
16	The oligosaccharide portion of ganglioside GM1 regulates mitochondrial function in neuroblastoma cells. <i>Glycoconjugate Journal</i> , 2020, 37, 293-306.	2.7	18
17	GM1 Oligosaccharide Crosses the Human Blood-Brain Barrier In Vitro by a Paracellular Route. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2858.	4.1	29
18	Sphingolipids and neuronal degeneration in lysosomal storage disorders. <i>Journal of Neurochemistry</i> , 2019, 148, 600-611.	3.9	37

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19	Sphingosine 1-Phosphate Receptors and Metabolic Enzymes as Druggable Targets for Brain Diseases. <i>Frontiers in Pharmacology</i> , 2019, 10, 807.	3.5	72
20	GM1 promotes TrkA-mediated neuroblastoma cell differentiation by occupying a plasma membrane domain different from TrkA. <i>Journal of Neurochemistry</i> , 2019, 149, 231-241.	3.9	30
21	Parkinson's disease recovery by GM1 oligosaccharide treatment in the B4galnt1+/~ mouse model. <i>Scientific Reports</i> , 2019, 9, 19330.	3.3	34
22	On the use of cholera toxin. <i>Glycoconjugate Journal</i> , 2018, 35, 161-163.	2.7	14
23	A retinoic acid-dependent stroma-leukemia crosstalk promotes chronic lymphocytic leukemia progression. <i>Nature Communications</i> , 2018, 9, 1787.	12.8	22
24	Radioactive Gangliosides for Biological Studies. <i>Methods in Molecular Biology</i> , 2018, 1804, 311-322.	0.9	4
25	A lysosome-plasma membrane-sphingolipid axis linking lysosomal storage to cell growth arrest. <i>FASEB Journal</i> , 2018, 32, 5685-5702.	0.5	32
26	Assignment by Negative-Ion Electrospray Tandem Mass Spectrometry of the Tetrasaccharide Backbones of Monosialylated Glycans Released from Bovine Brain Gangliosides. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1308-1318.	2.8	3
27	Neuronal membrane dynamics as fine regulator of sphingolipid composition. <i>Glycoconjugate Journal</i> , 2018, 35, 397-402.	2.7	6
28	Gangliosides in Membrane Organization. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 156, 83-120.	1.7	48
29	Chemical and Physicochemical Properties of Gangliosides. <i>Methods in Molecular Biology</i> , 2018, 1804, 1-17.	0.9	5
30	Nuclear Magnetic Resonance of Gangliosides. <i>Methods in Molecular Biology</i> , 2018, 1804, 241-284.	0.9	3
31	Serum Antibodies to Glycans in Peripheral Neuropathies. <i>Molecular Neurobiology</i> , 2017, 54, 1564-1567.	4.0	9
32	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
33	T Follicular Helper Cells Promote a Beneficial Gut Ecosystem for Host Metabolic Homeostasis by Sensing Microbiota-Derived Extracellular ATP. <i>Cell Reports</i> , 2017, 18, 2566-2575.	6.4	87
34	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
35	GM1 Ganglioside: Past Studies and Future Potential. <i>Molecular Neurobiology</i> , 2016, 53, 1824-1842.	4.0	112
36	Membrane lipid domains in the nervous system. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 280-302.	3.0	28

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37	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
38	Lipid Rafts in Neurodegeneration and Neuroprotection. <i>Molecular Neurobiology</i> , 2014, 50, 130-148.	4.0	74
39	Gangliosides and Cell Surface Ganglioside Glycohydrolases in the Nervous System. <i>Advances in Neurobiology</i> , 2014, 9, 223-244.	1.8	15
40	A practical route to long-chain non-natural β -diamino acids. <i>Amino Acids</i> , 2013, 44, 435-441.	2.7	5
41	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
42	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
43	Anti-GM1/GD1a complex antibodies in GBS sera specifically recognize the hybrid dimer GM1-GD1a. <i>Glycobiology</i> , 2012, 22, 352-360.	2.5	18
44	Ceramides as Possible Nutraceutical Compounds: Characterization of the Ceramides of the Moro Blood Orange (<i>Citrus sinensis</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10103-10110.	5.2	12
45	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
46	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
47	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
48	Sphingolipidomics of A2780 human ovarian carcinoma cells treated with synthetic retinoids. <i>Journal of Lipid Research</i> , 2010, 51, 1832-1840.	4.2	23
49	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
50	Effect of structural modifications of ganglioside GM2 on intra-molecular carbohydrate-to-carbohydrate interaction and enzymatic susceptibility. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 353-361.	2.4	3
51	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
52	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
53	Ceramide and sphingomyelin species of fibroblasts and neurons in culture. <i>Journal of Lipid Research</i> , 2007, 48, 417-424.	4.2	57
54	β -Glycolyl GM1 Ganglioside as a Receptor for Simian Virus 40. <i>Journal of Virology</i> , 2007, 81, 12846-12858.	3.4	150

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55	Gangliosides as components of lipid membrane domains. <i>Glycobiology</i> , 2007, 17, 1R-13R.	2.5	296
56	Modulation of cell functions by glycosphingolipid metabolic remodeling in the plasma membrane. <i>Journal of Neurochemistry</i> , 2007, 103, 113-125.	3.9	30
57	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
58	A Synthetic Divalent Cholera Toxin Glycocalix[4]arene Ligand Having Higher Affinity than Natural GM1 Oligosaccharide. <i>Journal of the American Chemical Society</i> , 2005, 127, 3660-3661.	13.7	79
59	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
60	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
61	Procedure for separation of GM2 ganglioside species with different ceramide structures by a flash reversed-phase silica gel liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 796, 1-10.	2.3	4
62	Structure of the main ganglioside from the brain of <i>Xenopus laevis</i> . <i>Glycoconjugate Journal</i> , 2002, 19, 53-57.	2.7	4
63	Preparation of deacetyl-, lyso-, and deacetyl-lyso-GM3 by selective alkaline hydrolysis of GM3 ganglioside. <i>Journal of Lipid Research</i> , 2001, 42, 1318-1324.	4.2	13
64	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
65	A procedure for the preparation of GM3 ganglioside from GM1-lactone. <i>Glycoconjugate Journal</i> , 1999, 16, 197-203.	2.7	22