Riccardo Ghidoni

List of Publications by Citations

96 papers	4,133 citations	33 h-index	63 g-index
101 ext. papers	4,498 ext. citations	4.7 avg, IF	5.29 L-index

#	Paper	IF	Citations
96	Resveratrol as an anticancer nutrient: molecular basis, open questions and promises. *Journal of Nutritional Biochemistry*, **2005**, 16, 449-66	6.3	372
95	Ceramide-mediated macroautophagy involves inhibition of protein kinase B and up-regulation of beclin 1. *Journal of Biological Chemistry*, **2004**, 279, 18384-91	5.4	333
94	Ceramide composition of the psoriatic scale. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **1993**, 1182, 147-51	6.9	322
93	Regulation of autophagy by sphingosine kinase 1 and its role in cell survival during nutrient starvation. *Journal of Biological Chemistry*, **2006**, 281, 8518-27	5.4	198
92	Promotion of neuritogenesis in mouse neuroblastoma cells by exogenous gangliosides. Relationship between the effect and the cell association of ganglioside GM1. *Journal of Neurochemistry*, **1984**, 42, 299-305	6	195
91	Resveratrol induces growth inhibition and apoptosis in metastatic breast cancer cells via de novo ceramide signaling. *FASEB Journal*, **2003**, 17, 2339-41	0.9	150
90	Dietary Curcumin: Correlation between Bioavailability and Health Potential. *Nutrients*, **2019**, 11,	6.7	148
89	Dihydroceramide intracellular increase in response to resveratrol treatment mediates autophagy in gastric cancer cells. *Cancer Letters*, **2009**, 282, 238-43	9.9	120
88	Recognition by two-dimensional thin-layer chromatography and densitometric quantification of alkali-labile gangliosides from the brain of different animals. *Analytical Biochemistry*, **1983**, 128, 104-14	3.1	111
87	Dual effects of IGFBP-3 on endothelial cell apoptosis and survival: involvement of the sphingolipid signaling pathways. *FASEB Journal*, **2004**, 18, 1456-8	0.9	107
86	Endogenous reactivation of the RARbeta2 tumor suppressor gene epigenetically silenced in breast cancer. *Cancer Research*, **2002**, 62, 2455-61	10.1	102
85	Electron paramagnetic resonance studies on the fluidity and surface dynamics of egg phosphatidylcholine vesicles containing gangliosides. *Biochimica Et Biophysica Acta - Biomembranes*, **1981**, 647, 196-202	3.8	98
84	Inhibition of ceramide biosynthesis preserves photoreceptor structure and function in a mouse model of retinitis pigmentosa. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 18706-11	11.5	82
83	Normal-phase high-performance liquid chromatographic separation of non-derivatized ganglioside mixtures. *Journal of Chromatography A*, **1985**, 348, 371-8	4.5	81
82	Is autophagy the key mechanism by which the sphingolipid rheostat controls the cell fate decision?. *Autophagy*, **2007**, 3, 45-7	10.2	77
81	Dihydroceramide desaturase and dihydrosphingolipids: debutant players in the sphingolipid arena. *Progress in Lipid Research*, **2012**, 51, 82-94	14.3	74
80	Resveratrol sensitization of DU145 prostate cancer cells to ionizing radiation is associated to ceramide increase. *Cancer Letters*, **2007**, 253, 124-30	9.9	71

79	Synthesis of a resveratrol analogue with high ceramide-mediated proapoptotic activity on human breast cancer cells. *Journal of Medicinal Chemistry*, **2005**, 48, 6783-6	8.3	65
78	Cytosolic gangliosides: occurrence in calf brain as ganglioside--protein complexes. *Journal of Neurochemistry*, **1979**, 33, 117-21	6	65
77	Role of Sphingolipids in the Pathobiology of Lung Inflammation. *Mediators of Inflammation*, **2015**, 2015, 487508	4.3	63
76	Association of gangliosides to fibroblasts in culture: A study performed with GM1 [14C]-labelled at the sialic acid acetyl group. *Glycoconjugate Journal*, **1985**, 2, 279-291	3	57
75	Dihydroceramide delays cell cycle G1/S transition via activation of ER stress and induction of autophagy. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 2135-43	5.6	55
74	Changes in rabbit brain cytosolic and membrane-bound gangliosides during prenatal life. *Journal of Neurochemistry*, **1981**, 36, 227-32	6	54
73	Interaction of GMI ganglioside with bovine serum albumin: formation and isolation of multiple complexes. *FEBS Journal*, **1980**, 111, 315-24		53
72	Resveratrol: A potential challenger against gastric cancer. *World Journal of Gastroenterology*, **2015**, 21, 10636-43	5.6	49
71	Sphingosine mediates TNF‐induced lysosomal membrane permeabilization and ensuing programmed cell death in hepatoma cells. *Journal of Lipid Research*, **2012**, 53, 1134-43	6.3	49
70	A radiometric assay for ganglioside sialidase applied to the determination of the enzyme subcellular location in cultured human fibroblasts. *Analytical Biochemistry*, **1986**, 153, 283-94	3.1	45
69	Anti-inflammatory action of lipid nanocarrier-delivered myriocin: therapeutic potential in cystic fibrosis. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 586-94	4	41
68	Cancer Prevention and Therapy with Polyphenols: Sphingolipid-Mediated Mechanisms. *Nutrients*, **2018**, 10,	6.7	40
67	Strategies for comparing gene expression profiles from different microarray platforms: application to a case-control experiment. *Analytical Biochemistry*, **2006**, 353, 43-56	3.1	37
66	Inhibitory effect of aureobasidin A on Toxoplasma gondii. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 1794-801	5.9	35
65	Use of sphingolipid analogs: benefits and risks. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **1999**, 1439, 17-39	5	33
64	Metabolism of exogenous gangliosides in cerebellar granule cells, differentiated in culture. *Journal of Neurochemistry*, **1989**, 53, 1567-74	6	33
63	Synthesis of GM1-Ganglioside Inner Ester. *Glycoconjugate Journal*, **1985**, 2, 343-354	3	32
62	Cone survival and preservation of visual acuity in an animal model of retinal degeneration. *European Journal of Neuroscience*, **2013**, 37, 1853-62	3.5	31

61	Synthesis of heterocycle-based analogs of resveratrol and their antitumor and vasorelaxing properties. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 6715-24	3.4	29
60	Kinetics of Vibrio cholerae sialidase action on gangliosidic substrates at different supramolecular-organizational levels. *Biochemical Journal*, **1982**, 203, 735-42	3.8	27
59	Sphingolipids in macroautophagy. *Methods in Molecular Biology*, **2008**, 445, 159-73	1.4	27
58	Natural grape extracts regulate colon cancer cells malignancy. *Nutrition and Cancer*, **2015**, 67, 494-503	2.8	26
57	Increase in ceramide level alters the lysosomal targeting of cathepsin D prior to onset of apoptosis in HT-29 colon cancer cells. *Biological Chemistry*, **2002**, 383, 989-99	4.5	26
56	Changes of the human liver GM3 ganglioside molecular species during aging. *FEBS Journal*, **1992**, 203, 107-13		26
55	Characterization of two molecular species GD3 ganglioside from bovine buttermilk. *Lipids and Lipid Metabolism*, **1985**, 833, 303-7		26
54	Inhibition of ceramide de novo synthesis by myriocin produces the double effect of reducing pathological inflammation and exerting antifungal activity against A. fumigatus airways infection. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 1089-97	4	24
53	In vitro anti-leukaemia activity of sphingosine kinase inhibitor. *British Journal of Haematology*, **2009**, 144, 350-7	4.5	24
52	The metabolism of sphingo(glyco)lipids is correlated with the differentiation-dependent autophagic pathway in HT-29 cells. *FEBS Journal*, **1996**, 237, 454-9		24
51	Novel ophthalmic formulation of myriocin: implications in retinitis pigmentosa. *Drug Delivery*, **2019**, 26, 237-243	7	23
50	Antiproliferative activity of N6-isopentenyladenosine on MCF-7 breast cancer cells: cell cycle analysis and DNA-binding study. *DNA and Cell Biology*, **2010**, 29, 687-91	3.6	23
49	Disruption of retinoic acid receptor alpha reveals the growth promoter face of retinoic acid. *PLoS ONE*, **2007**, 2, e836	3.7	23
48	Galactose oxidase action on GM1 ganglioside in micellar and vesicular dispersions. *Biochimica Et Biophysica Acta - Biomembranes*, **1982**, 688, 333-40	3.8	22
47	Resveratrol impairs the formation of MDA-MB-231 multicellular tumor spheroids concomitant with ceramide accumulation. *Cancer Letters*, **2007**, 249, 143-7	9.9	20
46	Preparation of the tritiated molecular forms of gangliosides with homogeneous long chain base composition. *Glycoconjugate Journal*, **1984**, 1, 111-121	3	20
45	Ganglioside pattern of normal human brain, from samples obtained at surgery. A study especially referred to alkali labile species. *Journal of Biochemistry*, **1984**, 96, 1943-6	3.1	19
44	Localization in the Golgi apparatus of rat liver UDP-Gal:glucosylceramide beta 1----4galactosyltransferase. *Biochemistry*, **1991**, 30, 2719-24	3.2	16

43	Naphthalene-fused (Ɛalkoxycarbonyl)methylene-Ɛbutyrolactones: antiproliferative activity and binding to bovine serum albumin and DNA. *DNA and Cell Biology*, **2012**, 31, 783-9	3.6	15
42	Inhibitors of ceramide de novo biosynthesis rescue damages induced by cigarette smoke in airways epithelia. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2017**, 390, 753-759	3.4	12
41	2-Acetyl-5-tetrahydroxybutyl imidazole (THI) protects 661W cells against oxidative stress. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2017**, 390, 741-751	3.4	12
40	Formation of ganglioside GD1b-lactone in rat brain from intracisternally administered GD1b. *Journal of Neurochemistry*, **1989**, 52, 1401-6	6	12
39	Changes in rabbit cerebrum and cerebellum gangliosides during postnatal life. A study especially referring to alkali labile gangliosides. *Neurochemistry International*, **1984**, 6, 191-7	4.4	12
38	Sphingolipid Synthesis Inhibition by Myriocin Administration Enhances Lipid Consumption and Ameliorates Lipid Response to Myocardial Ischemia Reperfusion Injury. *Frontiers in Physiology*, **2019** , 10, 986	4.6	11
37	Sphingolipid players in the leukemia arena. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 2121-32	3.8	11
36	Nervous system ganglioside composition of normothermic and hibernating dormice (Glis glis). *Neurochemistry International*, **1984**, 6, 677-83	4.4	11
35	Myriocin treatment of CF lung infection and inflammation: complex analyses for enigmatic lipids. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2017**, 390, 775-790	3.4	10
34	Content, pattern and metabolic processing of rat-liver gangliosides during liver regeneration. *FEBS Journal*, **1990**, 194, 377-82		10
33	Separation of ganglioside molecular species, with homogeneous long-chain base composition, by reversed-phase thin-layer chromatography. *Journal of Chromatography A*, **1984**, 315, 395-400	4.5	10
32	An Innovative Lipidomic Workflow to Investigate the Lipid Profile in a Cystic Fibrosis Cell Line. *Cells*, **2020**, 9,	7.9	9
31	Inhibition of Sphingolipid Synthesis as a Phenotype-Modifying Therapy in Cystic Fibrosis. *Cellular Physiology and Biochemistry*, **2020**, 54, 110-125	3.9	9
30	Long and Very-Long-Chain Ceramides Correlate with A More Aggressive Behavior in Skull Base Chordoma Patients. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	7
29	De novo ceramide synthesis is involved in acute inflammation during labor. *Biological Chemistry*, **2016**, 397, 147-55	4.5	7
28	Effect of the different supramolecular organization on the uptake and metabolization of exogenous GM1 ganglioside by human fibroblasts. *Chemistry and Physics of Lipids*, **1990**, 55, 207-13	3.7	7
27	GM1 ganglioside-Triton X-100 mixed micelles. Transitions among different micellar species monitored by physicochemical and enzymatic methods. *Biochimica Et Biophysica Acta - Biomembranes*, **1980**, 601, 282-8	3.8	7
26	Determination of the serine palmitoyl transferase inhibitor myriocin by electrospray and Q-trap mass spectrometry. *Biomedical Chromatography*, **2017**, 31, e4026	1.7	6

25	Myriocin Effect on Tvrm4 Retina, an Autosomal Dominant Pattern of Retinitis Pigmentosa. *Frontiers in Neuroscience*, **2020**, 14, 372	5.1	6
24	Radioiodinated ganglioside GM1: a potential tool for the investigation of ganglioside function in vivo. *Pharmacological Research Communications*, **1985**, 17, 897-912		6
23	The crosstalk between glycosphingolipids and neural stem cells. *Journal of Neurochemistry*, **2019**, 148, 698-711	6	5
22	Antiproliferative activity and cell cycle analysis of 2-(3,5-dihydroxyphenyl)-6-hydroxybenzothiazole on MCF-7 breast and HCT-15 colon cancer cell lines. *DNA and Cell Biology*, **2011**, 30, 617-21	3.6	4
21	Breast cancer and sphingolipid signalling. *Journal of Dairy Research*, **2005**, 72 Spec No, 5-13	1.6	4
20	Cystic Fibrosis Defective Response to Infection Involves Autophagy and Lipid Metabolism. *Cells*, **2020**, 9,	7.9	4
19	Inflammatory role of extracellular sphingolipids in Cystic Fibrosis. *International Journal of Biochemistry and Cell Biology*, **2019**, 116, 105622	5.6	3
18	Extensive precursor-product relationship between gangliosides formed from exogenous glucosylceramide in rat liver. *FEBS Letters*, **1990**, 260, 23-6	3.8	3
17	Micellar Properties of Gangliosides **1982**, 573-594		3
16	Metabolism of semisynthetic single-chain GM1 derivatives in cerebellar granule cells in culture. *Neurochemical Research*, **1991**, 16, 1187-92	4.6	2
15	Brain Cancer-Activated Microglia: A Potential Role for Sphingolipids. *Current Medicinal Chemistry*, **2020**, 27, 4039-4061	4.3	2
14	Myriocin modulates the altered lipid metabolism and storage in cystic fibrosis. *Cellular Signalling*, **2021**, 81, 109928	4.9	2
13	Inhibition of Ceramide Synthesis Reduces Synuclein Proteinopathy in a Cellular Model of Parkinson's Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
12	Simple and Complex Sugars in Parkinson's Disease: a Bittersweet Taste. *Molecular Neurobiology*, **2020**, 57, 2934-2943	6.2	1
11	Defects in Galactose Metabolism and Glycoconjugate Biosynthesis in a UDP-Glucose Pyrophosphorylase-Deficient Cell Line Are Reversed by Adding Galactose to the Growth Medium. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
10	Report of the 12th Sphingolipid Club Meeting, Trabia, Italy (Sept. 7-10, 2017). *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2018**, 391, 111-113	3.4	1
9	Application of An Improved HPLC-FL Method to Screen Serine Palmitoyl Transferase Inhibitors. *Molecules*, **2017**, 22,	4.8	1
8	Vitreous composition modification after transpalpebral electrical stimulation of the eye: Biochemical analysis. *Experimental Eye Research*, **2021**, 207, 108601	3.7	1

List of Publications

7	Peri-operative prognostic factors for primary skull base chordomas: results from a single-center cohort. *Acta Neurochirurgica*, **2021**, 163, 689-697	3	1
6	Influence of topical tretinoin on skin lipid production in vivo. *Archives of Dermatological Research*, **1998**, 290, 450-2	3.3	0
5	New trends in ganglioside chemistry. *Advances in Experimental Medicine and Biology*, **1988**, 228, 437-64	3.6	0
4	Resveratrol as an Antiproliferative Agent for Cancer. *Oxidative Stress and Disease*, **2005**, 57-83		
3	Sphingosine Kinase 1 as a Potential Target To Inhibit Proliferation of Myeloid Leukemia Cells.. *Blood*, **2007**, 110, 4196-4196	2.2	
2	Defects in galactose metabolism and glycoconjugate biosynthesis in UDP-glucose pyrophosphorylase-deficient fibroblasts are reversed by supplementing the cell growth medium with galactose. *FASEB Journal*, **2012**, 26, lb234	0.9	
1	Light Scattering Study of Ganglioside Micelles and Mixed Micelles with a Nonionic Amphiphile **1981**, 337-349		