

# Jacques Portoukalian

## List of Publications by Year in descending order

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65  
papers

2,339  
citations

218381

26  
h-index

214527

47  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subcellular compartmentalization of ceramide metabolism: MAM (mitochondria-associated membrane) and/or mitochondria?. <i>Biochemical Journal</i> , 2004, 382, 527-533.	1.7	220
2	Gangliosides from Human Melanoma Tumors Impair Dendritic Cell Differentiation from Monocytes and Induce Their Apoptosis. <i>Journal of Immunology</i> , 2003, 170, 3488-3494.	0.4	183
3	Lipid Composition of Human Malignant Melanoma Tumors at Various Levels of Malignant Growth. <i>FEBS Journal</i> , 1979, 94, 19-23.	0.2	140
4	Alteration of gangliosides in plasma and red cells of humans bearing melanoma tumors. <i>Biochemical and Biophysical Research Communications</i> , 1978, 85, 916-920.	1.0	130
5	Human Endogenous Retrovirus Protein Activates Innate Immunity and Promotes Experimental Allergic Encephalomyelitis in Mice. <i>PLoS ONE</i> , 2013, 8, e80128.	1.1	96
6	The mitochondria-associated endoplasmic-reticulum subcompartment (MAM fraction) of rat liver contains highly active sphingolipid-specific glycosyltransferases. <i>Biochemical Journal</i> , 2003, 371, 1013-1019.	1.7	91
7	Measurement and significance of antibodies against GM1 ganglioside Report of a workshop, 18 April 1989, Chicago, IL, U.S.A.. <i>Journal of Neuroimmunology</i> , 1989, 25, 255-259.	1.1	86
8	Menaquinone-4 Concentration Is Correlated with Sphingolipid Concentrations in Rat Brain. <i>Journal of Nutrition</i> , 2004, 134, 167-172.	1.3	74
9	Improved two-dimensional solvent system for thin-layer chromatographic analysis of polar lipids on silica gel 60 precoated plates. <i>Journal of Chromatography A</i> , 1978, 152, 569-574.	1.8	70
10	Melanoma-derived gangliosides impair migratory and antigen-presenting function of human epidermal Langerhans cells and induce their apoptosis. <i>International Immunology</i> , 2006, 18, 879-886.	1.8	65
11	Characterization of the ceramide moieties of sphingoglycolipids from mouse brain by ESI-MS/MS. <i>Journal of Lipid Research</i> , 2004, 45, 281-286.	2.0	63
12	Endogenous retroviral genes, Herpesviruses and gender in Multiple Sclerosis. <i>Journal of the Neurological Sciences</i> , 2009, 286, 65-72.	0.3	59
13	Dendritic cells dysfunction in tumour environment. <i>Cancer Letters</i> , 2008, 272, 186-196.	3.2	57
14	An ancestral retroviral protein identified as a therapeutic target in type-1 diabetes. <i>JCI Insight</i> , 2017, 2, .	2.3	57
15	Shedding of GD2 ganglioside in patients with retinoblastoma. <i>International Journal of Cancer</i> , 1993, 53, 948-951.	2.3	56
16	The Induction of Apoptosis by Local Anesthetics: A Comparison Between Lidocaine and Ropivacaine. <i>Anesthesia and Analgesia</i> , 2003, 96, 755-756.	1.1	48
17	Humoral immune response in disease-free advanced melanoma patients after vaccination with melanoma-associated gangliosides. <i>International Journal of Cancer</i> , 1991, 49, 893-899.	2.3	46
18	Analysis of epidermal lipids in normal and atopic dogs, before and after administration of an oral omega-6/omega-3 fatty acid feed supplement. A pilot study. <i>Veterinary Research Communications</i> , 2011, 35, 501-509.	0.6	43

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19	Lifelong Low-Phylloquinone Intake Is Associated with Cognitive Impairments in Old Rats. <i>Journal of Nutrition</i> , 2011, 141, 1495-1501.	1.3	37
20	New anti-GD2 monoclonal antibodies produced from gamma-interferon-treated neuroblastoma cells. <i>International Journal of Cancer</i> , 1989, 43, 665-671.	2.3	34
21	Different mechanisms are involved in apoptosis induced by melanoma gangliosides on human monocyte-derived dendritic cells. <i>Glycobiology</i> , 2009, 19, 576-582.	1.3	34
22	Gangliosides of organ-confined versus metastatic androgen-receptor-negative prostate cancer. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 154-165.	1.0	31
23	Studies of a ganglioside fraction extracted from human malignant melanoma. <i>Biochimie</i> , 1976, 58, 1285-1287.	1.3	30
24	Hydrolysis of all gangliosides, including GM1 and GM2, on thin-layer plates by <i>Vibrio cholerae</i> neuraminidase. <i>Biomedical Applications</i> , 1986, 380, 386-392.	1.7	29
25	Deficiency of ganglioside biosynthesis in metastatic human melanoma cells: relevance of CMP-NeuAc: LacCer 1±2-3 sialyltransferase (GM3 synthase). <i>FEBS Letters</i> , 1995, 362, 161-164.	1.3	27
26	Purification of Free Sphingoid Bases by Solid-Phase Extraction on Weak Cation Exchanger Cartridges. <i>Analytical Biochemistry</i> , 2000, 279, 245-248.	1.1	27
27	Variable Region Gene Segments of Nine Monoclonal Antibodies Specific to Disialogangliosides (G <sub>2</sub> , G <sub>3</sub> ) and Their O-Acetylated Derivatives. <i>Hybridoma</i> , 1997, 16, 307-316.	0.9	25
28	Purification and structural characterization of de-N-acetylated form of GD3 ganglioside present in human melanoma tumors. <i>Glycobiology</i> , 2007, 17, 367-373.	1.3	25
29	Atopic dermatitis in dogs is associated with a high heterogeneity in the distribution of protein-bound lipids within the stratum corneum. <i>Archives of Dermatological Research</i> , 2011, 303, 433-440.	1.1	25
30	Analysis of free and protein-bound ceramides by tape stripping of stratum corneum from dogs. <i>Archives of Dermatological Research</i> , 2010, 302, 639-644.	1.1	21
31	Sex-specific difference of the galabiosylceramide level in the glycosphingolipids of human thyroid. <i>Lipids and Lipid Metabolism</i> , 1985, 836, 143-152.	2.6	20
32	Purification of Sphingolipid Classes by Solid-Phase Extraction with Aminopropyl and Weak Cation Exchanger Cartridges. <i>Methods in Enzymology</i> , 2000, 312, 101-114.	0.4	20
33	Inhibition of immune cell proliferation and cytokine production by lipoprotein-bound gangliosides. <i>Cancer Immunology, Immunotherapy</i> , 1994, 38, 311-316.	2.0	19
34	Single-Step Gas Chromatography-Mass Spectrometry Analysis of Glycolipid Constituents as Heptafluorobutyrate Derivatives with a Special Reference to the Lipid Portion. <i>Analytical Biochemistry</i> , 2000, 284, 201-216.	1.1	19
35	A new approach for drug discovery from glycobiology and phage-displayed peptide library technology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 497-503.	1.1	19
36	Evidence for several cell populations in human thyroid with distinct glycosphingolipid patterns. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990, 1051, 1-5.	1.9	18

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37	Kinetics and organ distribution of [ <sup>14</sup> C]-sialic acid-GM3 and [ <sup>3</sup> H]-sphingosine-GM1 after intravenous injection in rats. <i>Biochemical and Biophysical Research Communications</i> , 1992, 189, 1410-1416.	1.0	17
38	GD3-replica peptides selected from a phage peptide library induce a GD3 ganglioside antibody response. <i>FEBS Letters</i> , 2006, 580, 1398-1404.	1.3	17
39	Human Endogenous Retrovirus Type W Envelope from Multiple Sclerosis Demyelinating Lesions Shows Unique Solubility and Antigenic Characteristics. <i>Virologica Sinica</i> , 2021, 36, 1006-1026.	1.2	16
40	Recovery of gangliosides from aqueous solutions on styrene-divinylbenzene copolymer columns. <i>Journal of Lipid Research</i> , 2002, 43, 1335-1340.	2.0	15
41	Determination of N-acetylneuraminic acid by gas chromatography-mass spectrometry with a stable isotope as internal standard. <i>Analytical Biochemistry</i> , 1983, 132, 147-151.	1.1	14
42	Specific binding of anti-N-acetylglucosamine monoclonal antibody 1B2 to acute myeloid leukaemia cells. <i>European Journal of Cancer</i> , 1992, 28, 37-41.	1.3	14
43	Characterization of gangliosides from normal and osteoarthritic human articular cartilage. <i>Arthritis and Rheumatism</i> , 1993, 36, 938-942.	6.7	14
44	Sulfatide and GM1 ganglioside modulate the high-affinity dopamine uptake in rat striatal synaptosomes: evidence for the involvement of their ionic charges. <i>Neurochemistry International</i> , 2003, 42, 305-313.	1.9	14
45	Sulfogalactosylceramides in motor and psycho-cognitive adult metachromatic leukodystrophy: relations between clinical, biochemical analysis and molecular aspects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 434-440.	1.1	14
46	Expression of cell surface glycoproteins in human melanoma cell lines with different tumorigenic properties. <i>International Journal of Cancer</i> , 1985, 36, 461-466.	2.3	13
47	Glycosylation-related gene expression profiling in the brain and spleen of scrapie-affected mouse. <i>Glycobiology</i> , 2009, 19, 879-889.	1.3	13
48	Modifications of ganglioside composition in peripheral nerve of myelin deficient trembler mutant mouse. <i>Neurochemical Research</i> , 1982, 7, 1367-1373.	1.6	10
49	Immunogenicity of Glycolipids. <i>Clinical Reviews in Allergy and Immunology</i> , 2000, 19, 73-78.	2.9	10
50	Very low density lipoproteins and interleukin 2 enhance the immunogenicity of 9-O-acetyl-GD3 ganglioside in BALB/c mice. <i>Journal of Immunological Methods</i> , 1997, 206, 115-123.	0.6	9
51	Studies of compounds that enhance sphingolipid metabolism in human keratinocytes1. <i>International Journal of Cosmetic Science</i> , 2006, 28, 53-59.	1.2	9
52	Linoleate-enriched diet increases both linoleic acid esterified to omega hydroxy very long chain fatty acids and free ceramides of canine stratum corneum without effect on protein-bound ceramides and skin barrier function. <i>Archives of Dermatological Research</i> , 2018, 310, 579-589.	1.1	9
53	Optimal conditions to radiolabel ( <sup>3</sup> H or <sup>14</sup> C) aminosugar-containing glycosphingolipids by de-N-acetylation and re-N-acetylation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1244, 418-422.	1.1	8
54	Occurrence of monosialosyl pentahexaosylceramide GalNAc-GM1 as specific tumor-associated ganglioside of human head and neck squamous cell carcinomas. <i>Cancer Letters</i> , 1999, 135, 159-164.	3.2	8

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55	A sensitive flow cytometry method for anti-GM1 antibodies detection. <i>Journal of Neuroimmunology</i> , 2002, 125, 163-169.	1.1	8
56	Correlation between the radiosensitivity in vitro of clones and variants derived from a human melanoma cell line and their spontaneous metastatic potential in vivo. <i>Cancer Letters</i> , 1995, 88, 221-225.	3.2	7
57	Phytosphingosine Biosynthesis Differs from Sphingosine in Fish Leukocytes and Involves a Transfer of Methyl Groups from [3H-methyl]Methionine Precursor. <i>Biochemical and Biophysical Research Communications</i> , 1998, 250, 88-93.	1.0	7
58	Purification of the peracetylated glycosphingolipids of the Gala series (galactosyl- and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (gal	1.7	6
59	Antigen-specific primary immune response of human B-lymphocytes after in vitro immunization with GM3 ganglioside1. <i>Human Antibodies</i> , 1995, 6, 102-112.	0.6	5
60	GD3-and O-acetylated GD3-gangliosides in the GM2 synthase-deficient mouse brain and their immunohistochemical localization. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2006, 82, 189-196.	1.6	5
61	Recovery of gangliosides from aqueous solutions on styrene-divinylbenzene copolymer columns. <i>Journal of Lipid Research</i> , 2002, 43, 1335-40.	2.0	4
62	Production of Multiple Brain-Like Ganglioside Species Is Dispensable for Fas-Induced Apoptosis of Lymphoid Cells. <i>PLoS ONE</i> , 2011, 6, e19974.	1.1	3
63	The Linoleic Acid Content of the Stratum Corneum of Ichthyotic Golden Retriever Dogs Is Reduced as Compared to Healthy Dogs and a Significant Part Is Oxidized in Both Free and Esterified Forms. <i>Metabolites</i> , 2021, 11, 803.	1.3	3
64	Dynamique des lipides cellulaires. <i>Soci�t� De Biologie Journal</i> , 2003, 197, 205-210.	0.3	1
65	Ganglioside Alterations in the Genetically-Determined Hypertrophic Neuropathy of the Murine Neurological Mutant Trembler. <i>Advances in Experimental Medicine and Biology</i> , 1984, 174, 297-306.	0.8	0