

Paola Palestini

List of Publications by Year in descending order

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93
papers

3,064
citations

159585

30
h-index

175258

52
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97
all docs

97
docs citations

97
times ranked

3657
citing authors

#	ARTICLE	IF	CITATIONS
1	Air Pollution and COVID-19: The Role of Particulate Matter in the Spread and Increase of COVID-19's Morbidity and Mortality. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4487.	2.6	333
2	Pin1, a new player in the fate of HIF-1's degradation: an hypothetical mechanism inside vascular damage as Alzheimer's disease risk factor. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 1.	3.7	242
3	A photo-reactive derivative of ganglioside GM1 specifically cross-links VIP21-caveolin on the cell surface. <i>FEBS Letters</i> , 1995, 375, 11-14.	2.8	169
4	Glycolipid-Enriched Caveolae and Caveolae-Like Domains in the Nervous System. <i>Journal of Neurochemistry</i> , 2002, 73, 1-11.	3.9	104
5	Lipid Domains in the Membrane: Thermotropic Properties of Sphingomyelin Vesicles Containing GM1 Ganglioside and Cholesterol. <i>Biochemistry</i> , 1997, 36, 9232-9236.	2.5	99
6	The acute toxic effects of particulate matter in mouse lung are related to size and season of collection. <i>Toxicology Letters</i> , 2011, 202, 209-217.	0.8	93
7	Comparative acute lung inflammation induced by atmospheric PM and size-fractionated tire particles. <i>Toxicology Letters</i> , 2010, 198, 244-254.	0.8	92
8	Fuc-GM1 ganglioside mimics the receptor function of GM1 for cholera toxin. <i>Biochemistry</i> , 1992, 31, 2422-2426.	2.5	88
9	Health Risk Assessment for Air Pollutants: Alterations in Lung and Cardiac Gene Expression in Mice Exposed to Milano Winter Fine Particulate Matter (PM2.5). <i>PLoS ONE</i> , 2014, 9, e109685.	2.5	84
10	Milano Summer Particulate Matter (PM10) Triggers Lung Inflammation and Extra Pulmonary Adverse Events in Mice. <i>PLoS ONE</i> , 2013, 8, e56636.	2.5	82
11	Role of phosphatidylethanol in membranes. Effects on membrane fluidity, tolerance to ethanol, and activity of membrane-bound enzymes. <i>Biochemistry</i> , 1991, 30, 2477-2482.	2.5	79
12	Evidence that ganglioside enriched domains are distinct from caveolae in MDCK and human fibroblast cells in culture. <i>FEBS Journal</i> , 2000, 267, 4187-4197.	0.2	76
13	Changes in the Ceramide Composition of Rat Forebrain Gangliosides with Age. <i>Journal of Neurochemistry</i> , 1990, 54, 230-235.	3.9	72
14	Lung toxicity induced by intratracheal instillation of size-fractionated tire particles. <i>Toxicology Letters</i> , 2009, 189, 206-214.	0.8	72
15	Influence of endogenous GM1 ganglioside on TrkB activity, in cultured neurons. <i>FEBS Letters</i> , 1998, 439, 93-96.	2.8	67
16	Tubulin Anchoring to Glycolipid-enriched, Detergent-resistant Domains of the Neuronal Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2000, 275, 9978-9985.	3.4	67
17	Endothelial cells as early sensors of pulmonary interstitial edema. <i>Journal of Applied Physiology</i> , 2004, 97, 1575-1583.	2.5	49
18	Composition, biophysical properties, and morphometry of plasma membranes in pulmonary interstitial edema. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 282, L1382-L1390.	2.9	43

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19	Biochemical and morphological changes in endothelial cells in response to hypoxic interstitial edema. <i>Respiratory Research</i> , 2006, 7, 7.	3.6	42
20	Hypertension in Children: Role of Obesity, Simple Carbohydrates, and Uric Acid. <i>Frontiers in Public Health</i> , 2018, 6, 129.	2.7	42
21	Gel phase preference of ganglioside GM1 at low concentration in two-component, two-phase phosphatidylcholine bilayers depends upon the ceramide moiety. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1235, 221-230.	2.6	41
22	Age-Related Changes in the Ceramide Composition of the Major Gangliosides Present in Rat Brain Subcellular Fractions Enriched in Plasma Membranes of Neuronal and Myelin Origin. <i>Journal of Neurochemistry</i> , 1993, 61, 955-960.	3.9	40
23	Compositional changes in lipid microdomains of air-blood barrier plasma membranes in pulmonary interstitial edema. <i>Journal of Applied Physiology</i> , 2003, 95, 1446-1452.	2.5	38
24	Role of Lipid Rafts and GM1 in the Segregation and Processing of Prion Protein. <i>PLoS ONE</i> , 2014, 9, e98344.	2.5	37
25	The nature of the neutral Na ⁺ /Cl ⁻ -coupled entry at the apical membrane of rabbit gallbladder epithelium: I. Na ⁺ /H ⁺ , Cl ⁻ /HCO ₃ ⁻ double exchange and Na ⁺ /Cl ⁻ symport. <i>Journal of Membrane Biology</i> , 1987, 95, 209-218.	2.1	36
26	Hypoxia-induced modifications in plasma membranes and lipid microdomains in A549 cells and primary human alveolar cells. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 503-513.	2.6	36
27	Changes in the Ganglioside Long-Chain Base Composition of Rat Cerebellar Granule Cells During Differentiation and Aging in Culture. <i>Journal of Neurochemistry</i> , 1993, 60, 193-196.	3.9	34
28	Immunoseparation of Prion protein-enriched domains from other detergent-resistant membrane fractions, isolated from neuronal cells. <i>FEBS Letters</i> , 2004, 557, 143-147.	2.8	33
29	Lack of the Ganglioside Molecular Species Containing the C20-Long-Chain Bases in Human, Rat, Mouse, Rabbit, Cat, Dog, and Chicken Brains During Prenatal Life. <i>Journal of Neurochemistry</i> , 1991, 56, 2048-2050.	3.9	32
30	Bicarbonate Induces Membrane Reorganization and CBR1 and TRPV1 Endocannabinoid Receptor Migration in Lipid Microdomains in Capacitating Boar Spermatozoa. <i>Journal of Membrane Biology</i> , 2010, 238, 33-41.	2.1	32
31	Systemic Exposure to Air Pollution Induces Oxidative Stress and Inflammation in Mouse Brain, Contributing to Neurodegeneration Onset. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3699.	4.1	29
32	Association to HeLa cells and surface behavior of exogenous gangliosides studied with a fluorescent derivative of GM1. <i>Biochemistry</i> , 1990, 29, 697-701.	2.5	27
33	Use of a photoactivable GM1 ganglioside analogue to assess lipid distribution in caveolae bilayer. <i>Glycoconjugate Journal</i> , 2000, 17, 215-222.	2.7	27
34	Link between Viral Infections, Immune System, Inflammation and Diet. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2455.	2.6	26
35	Evidence for Nonrandom Distribution of GD1 a Ganglioside in Rabbit Brain Microsomal Membranes. <i>Journal of Neurochemistry</i> , 1991, 57, 748-753.	3.9	25
36	Change of Ganglioside Accessibility at the Plasma Membrane Surface of Cultured Neurons, Following Protein Kinase C Activation. <i>Biochemistry</i> , 1998, 37, 3143-3148.	2.5	25

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37	Exposure to galactose oxidase of GM1 ganglioside molecular species embedded into phospholipid vesicles. <i>FEBS Letters</i> , 1994, 350, 219-222.	2.8	24
38	Milan PM1 Induces Adverse Effects on Mice Lungs and Cardiovascular System. <i>BioMed Research International</i> , 2013, 2013, 1-10.	1.9	23
39	Effect of gangliosides on membrane permeability studied by enzymic and fluorescence-spectroscopy techniques. <i>Biochemical Journal</i> , 1990, 267, 413-416.	3.7	21
40	Organic extract of tire debris causes localized damage in the plasma membrane of human lung epithelial cells. <i>Toxicology Letters</i> , 2007, 173, 191-200.	0.8	21
41	In Vivo Comparative Study on Acute and Sub-acute Biological Effects Induced by Ultrafine Particles of Different Anthropogenic Sources in BALB/c Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2805.	4.1	20
42	GPI-anchored proteins and lipid rafts. <i>Italian Journal of Biochemistry</i> , 2004, 53, 98-111.	0.3	20
43	Cyclic AMP accumulation in HeLa cells induced by cholera toxin. Involvement of the ceramide moiety of GM1 ganglioside. <i>Biochemical Journal</i> , 1990, 271, 107-111.	3.7	19
44	Age-related changes of the ganglioside long-chain base composition in rat cerebellum. <i>Neurochemistry International</i> , 1996, 28, 183-187.	3.8	18
45	Changes in the composition of detergent-resistant membrane domains of cultured neurons following protein kinase C activation. <i>Journal of Neuroscience Research</i> , 2007, 85, 443-450.	2.9	17
46	Endocannabinoid-binding CB1 and TRPV1 receptors as modulators of sperm capacitation. <i>Communicative and Integrative Biology</i> , 2012, 5, 68-70.	1.4	17
47	Developmental changes in the protein composition of sphingolipid- and cholesterol-enriched membrane domains of rat cerebellar granule cells. <i>Journal of Neuroscience Research</i> , 2002, 67, 729-738.	2.9	16
48	Type-1 Cannabinoid Receptors Reduce Membrane Fluidity of Capacitated Boar Sperm by Impairing Their Activation by Bicarbonate. <i>PLoS ONE</i> , 2011, 6, e23038.	2.5	16
49	Dynamics of glycolipid domains in the plasma membrane of living cultured neurons, following protein kinase C activation: a study performed by excimer-formation imaging. <i>Biochemical Journal</i> , 1999, 344, 177-184.	3.7	15
50	Repeated Intratracheal Instillation of PM10 Induces Lipid Reshaping in Lung Parenchyma and in Extra-Pulmonary Tissues. <i>PLoS ONE</i> , 2014, 9, e106855.	2.5	15
51	Lipid Reshaping and Lipophagy Are Induced in a Modeled Ischemia-Reperfusion Injury of Blood Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3752.	4.1	15
52	Characterization of prion protein-enriched domains, isolated from rat cerebellar granule cells in culture. <i>Journal of Neurochemistry</i> , 2009, 110, 1038-1048.	3.9	14
53	In healthy normotensive subjects age and blood pressure better predict subclinical vascular and cardiac organ damage than atherosclerosis biomarkers. <i>Blood Pressure</i> , 2018, 27, 262-270.	1.5	14
54	Chronic ethanol effects on glycoconjugates and glycosyltransferases of rat brain. <i>Alcohol</i> , 1994, 11, 301-306.	1.7	13

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55	Graphene Oxide increases mammalian spermatozoa fertilizing ability by extracting cholesterol from their membranes and promoting capacitation. <i>Scientific Reports</i> , 2019, 9, 8155.	3.3	13
56	The effectiveness of nudging interventions to promote healthy eating choices: A systematic review and an intervention among Italian university students. <i>Appetite</i> , 2022, 168, 105662.	3.7	13
57	Palmitic is the main fatty acid carried by lipids of detergent-resistant membrane fractions from neural and non-neural cells. <i>Neurochemical Research</i> , 2002, 27, 729-734.	3.3	12
58	Spontaneous transfer of GM3 ganglioside between vesicles. <i>Chemistry and Physics of Lipids</i> , 1995, 77, 253-260.	3.2	11
59	Effects of chronic ethanol exposure on cultured cerebellar granule cells. <i>Molecular and Chemical Neuropathology</i> , 1995, 26, 159-169.	1.0	11
60	Adverse biological effects of Milan urban PM looking for suitable molecular markers of exposure. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2012, 18, 635-641.	0.7	11
61	Ischemic Conditions Affect Rerouting of Tau Protein Levels: Evidences for Alteration in Tau Processing and Secretion in Hippocampal Neurons. <i>Journal of Molecular Neuroscience</i> , 2018, 66, 604-616.	2.3	11
62	Dependence of rat liver CMP-N-acetylneuraminase:GM1sialyltransferase (SAT IV) activity on the ceramide composition of GM1ganglioside. <i>FEBS Letters</i> , 1996, 383, 223-226.	2.8	10
63	Coffee-Derived Phenolic Compounds Activate Nrf2 Antioxidant Pathway in I/R Injury In Vitro Model: A Nutritional Approach Preventing Age Related-Damages. <i>Molecules</i> , 2022, 27, 1049.	3.8	10
64	Dynamics of glycolipid domains in the plasma membrane of living cultured neurons, following protein kinase C activation: a study performed by excimer-formation imaging. <i>Biochemical Journal</i> , 1999, 344, 177.	3.7	9
65	Ischemic conditions and β -secretase activation: The impact of membrane cholesterol enrichment as triggering factor in rat brain endothelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 69, 95-104.	2.8	9
66	Effect of the ketogenic diet in excitable tissues. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C547-C553.	4.6	9
67	Preparation and Use of Liposomes for the Study of Sphingolipid Segregation in Membrane Model Systems. , 2002, 199, 17-28.		8
68	Involvement of MEK-ERK1-2 pathway in the anti-oxidant response in C6 glioma cells after diesel exhaust particles exposure. <i>Toxicology Letters</i> , 2016, 250-251, 57-65.	0.8	8
69	Early evidence of stress in immortalized neurons exposed to diesel particles: the role of lipid reshaping behind oxidative stress and inflammation. <i>Toxicology</i> , 2018, 409, 63-72.	4.2	8
70	Endothelin-1/nitric oxide balance and HOMA index in children with excess weight and hypertension: a pathophysiological model of hypertension. <i>Hypertension Research</i> , 2019, 42, 1192-1199.	2.7	8
71	Effect of the different supramolecular organization on the uptake and metabolism of exogenous GM1 ganglioside by human fibroblasts. <i>Chemistry and Physics of Lipids</i> , 1990, 55, 207-213.	3.2	7
72	Remodelling of Membrane Rafts Expression in Lung Cells as an Early Sign of Mechanotransduction-Signalling in Pulmonary Edema. <i>Journal of Lipids</i> , 2011, 2011, 1-11.	4.8	7

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73	Graphene Oxide Improves in vitro Fertilization in Mice With No Impact on Embryo Development and Preserves the Membrane Microdomains Architecture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 629.	4.1	7
74	Ganglioside lateralization in the brain of female rats. , 1997, 50, 643-648.		6
75	Î²-amyloid (25â€“35) enhances lipid metabolism and protein ubiquitination in cultured neurons. <i>Journal of Neuroscience Research</i> , 2007, 85, 2253-2261.	2.9	6
76	Diesel exhaust particles (DEP) pre-exposure contributes to the anti-oxidant response impairment in hCMEC/D3 during post-oxygen and glucose deprivation damage. <i>Toxicology Letters</i> , 2017, 274, 1-7.	0.8	6
77	Thermotropic behavior of fatty acid ethyl esters in phospholipid liposomes. <i>Chemistry and Physics of Lipids</i> , 1992, 61, 149-155.	3.2	5
78	Aminopurvalanol A, a Potent, Selective, and Cell Permeable Inhibitor of Cyclins/Cdk Complexes, Causes the Reduction of in Vitro Fertilizing Ability of Boar Spermatozoa, by Negatively Affecting the Capacitation-Dependent Actin Polymerization. <i>Frontiers in Physiology</i> , 2017, 8, 1097.	2.8	5
79	Ganglioside long-chain base composition of rat brain subcellular fractions after chronic ethanol administration. <i>Alcohol</i> , 1996, 13, 291-295.	1.7	4
80	Involvement of Glycolipid-Enriched Domains in the Transduction Mechanism of Neurotrophins in Cultured Neurons. <i>Bioscience Reports</i> , 1999, 19, 385-395.	2.4	4
81	The Impact of a Nutritional Intervention Program on Eating Behaviors in Italian Athletes. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7313.	2.6	4
82	Study of the Antioxidant Effects of Coffee Phenolic Metabolites on C6 Glioma Cells Exposed to Diesel Exhaust Particles. <i>Antioxidants</i> , 2021, 10, 1169.	5.1	2
83	A Nudging Approach to Promote Healthier and More Sustainable Food Consumption and Lifestyles at the University of Milano-Bicocca. <i>Journal of Sustainability Perspectives</i> , 2021, 1, .	0.1	2
84	Action of ?-l-fucoside from <i>Octopus vulgaris</i> hepatopancreas on phospholipid vesicles containing the fucosylated ganglioside FucGM1. <i>Glycoconjugate Journal</i> , 1993, 10, 447-452.	2.7	1
85	Interaction of liposomes composed of phospholipids, GM1 ganglioside and cholesterol with human keratinocytes in culture. <i>Archives of Dermatological Research</i> , 1999, 291, 232-237.	1.9	1
86	LSEA Evaluation of Lipid Mediators of Inflammation in Lung and Cortex of Mice Exposed to Diesel Air Pollution. <i>Biomedicines</i> , 2022, 10, 712.	3.2	1
87	Lipidic microdomain reorganization during the in vitro capacitation of boar spermatozoa. <i>Veterinary Research Communications</i> , 2009, 33, 81-83.	1.6	0
88	Membrane Rafts in the Respiratory System. <i>Current Respiratory Medicine Reviews</i> , 2012, 8, 90-99.	0.2	0
89	ERK-Nrf2 pathway regulates the anti-oxidant response after in vitro diesel exhaust particles treatment. <i>Toxicology Letters</i> , 2015, 238, S283.	0.8	0
90	Diets with different lipid contents do not modify the neuronal membrane lipid raft profile in a scrapie murine model. <i>Life Sciences</i> , 2016, 144, 226-233.	4.3	0

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91	Analysis of dietary habits and health status in a court of young athletes in Northern Italy practicing Athletic disciplines. Proceedings of the Nutrition Society, 2020, 79, .	1.0	0
92	Project for the prevention of caries in the developmental age: Experience in kindergartens of Northern Italy. Proceedings of the Nutrition Society, 2020, 79, .	1.0	0
93	Effects induced in lungs by UFPs from different anthropogenic sources. , 2017, , .		0