

Gabriella Lupo

List of Publications by Year in descending order

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79
papers

1,835
citations

236925

25
h-index

330143

37
g-index

79
all docs

79
docs citations

79
times ranked

2647
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical and clinical relevance of alpha lipoic acid: antioxidant and anti-inflammatory activity, molecular pathways and therapeutic potential. <i>Inflammation Research</i> , 2017, 66, 947-959.	4.0	139
2	Pericytes in Microvessels: From Mural Function to Brain and Retina Regeneration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6351.	4.1	79
3	Role of phospholipases A2 in diabetic retinopathy: In vitro and in vivo studies. <i>Biochemical Pharmacology</i> , 2013, 86, 1603-1613.	4.4	67
4	Aflibercept, bevacizumab and ranibizumab prevent glucose-induced damage in human retinal pericytes in vitro, through a PLA2/COX-2/VEGF-A pathway. <i>Biochemical Pharmacology</i> , 2015, 96, 278-287.	4.4	63
5	Classical VEGF, Notch and Ang signalling in cancer angiogenesis, alternative approaches and future directions. <i>Molecular Medicine Reports</i> , 2017, 16, 4393-4402.	2.4	60
6	Anti-angiogenic Therapy in Cancer: Downsides and New Pivots for Precision Medicine. <i>Frontiers in Pharmacology</i> , 2016, 07, 519.	3.5	59
7	Endothelial cell-pericyte cocultures induce PLA2 protein expression through activation of PKC and the MAPK/ERK cascade. <i>Journal of Lipid Research</i> , 2007, 48, 782-793.	4.2	54
8	Loss of aromatase cytochrome P450 function as a risk factor for Parkinson's disease?. <i>Brain Research Reviews</i> , 2008, 57, 431-443.	9.0	53
9	PKC β /HuR/VEGF: A new molecular cascade in retinal pericytes for the regulation of VEGF gene expression. <i>Pharmacological Research</i> , 2008, 57, 60-66.	7.1	46
10	The GAUGAA Motif Is Responsible for the Binding between circSMARCA5 and SRSF1 and Related Downstream Effects on Glioblastoma Multiforme Cell Migration and Angiogenic Potential. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1678.	4.1	43
11	Sulodexide prevents activation of the PLA2/COX-2/VEGF inflammatory pathway in human retinal endothelial cells by blocking the effect of AGE/RAGE. <i>Biochemical Pharmacology</i> , 2017, 142, 145-154.	4.4	42
12	Activation of phospholipase A2 and MAP kinases by oxidized low-density lipoproteins in immortalized GP8.39 endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1735, 135-150.	2.4	39
13	Antiangiogenic Effect of (±)-Haloperidol Metabolite II Valproate Ester [(±)-MRJF22] in Human Microvascular Retinal Endothelial Cells. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9960-9966.	6.4	37
14	TLR4 signaling drives mesenchymal stromal cells commitment to promote tumor microenvironment transformation in multiple myeloma. <i>Cell Death and Disease</i> , 2019, 10, 704.	6.3	36
15	Cytosolic and calcium-independent phospholipase A2 mediate glioma-enhanced proangiogenic activity of brain endothelial cells. <i>Microvascular Research</i> , 2011, 81, 1-17.	2.5	35
16	Anti-angiogenic effect of quercetin and its 8-methyl pentamethyl ether derivative in human microvascular endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6565-6577.	3.6	35
17	Activation of the VEGF-A/ERK/PLA2 Axis Mediates Early Retinal Endothelial Cell Damage Induced by High Glucose: New Insight from an In Vitro Model of Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7528.	4.1	35
18	Endothelial PKC β -MAPK/ERK-phospholipase A2 pathway activation as a response of glioma in a triple culture model. A new role for pericytes?. <i>Biochimie</i> , 2014, 99, 77-87.	2.6	33

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19	t-Butyl hydroperoxide and oxidized low density lipoprotein enhance phospholipid hydrolysis in lipopolysaccharide-stimulated retinal pericytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001, 1531, 143-155.	2.4	31
20	Amyloid β (1-42) and its β (25-35) fragment induce activation and membrane translocation of cytosolic phospholipase A2 in bovine retina capillary pericytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1686, 125-138.	2.4	30
21	An in vitro retinoblastoma human triple culture model of angiogenesis: A modulatory effect of TGF- β . <i>Cancer Letters</i> , 2014, 354, 181-188.	7.2	29
22	Antiproliferative and Antiangiogenic Effects of Punica granatum Juice (PGJ) in Multiple Myeloma (MM). <i>Nutrients</i> , 2016, 8, 611.	4.1	29
23	Gabapentin Attenuates Ocular Inflammation: In vitro and In vivo Studies. <i>Frontiers in Pharmacology</i> , 2017, 8, 173.	3.5	29
24	VEGF receptor-1 involvement in pericyte loss induced by <i>Escherichia coli</i> in an in vitro model of blood brain barrier. <i>Cellular Microbiology</i> , 2013, 15, 1367-1384.	2.1	28
25	Novel indole derivatives targeting HuR-mRNA complex to counteract high glucose damage in retinal endothelial cells. <i>Biochemical Pharmacology</i> , 2020, 175, 113908.	4.4	27
26	Potential therapeutic applications of mesenchymal stem cells for the treatment of eye diseases. <i>World Journal of Stem Cells</i> , 2021, 13, 632-644.	2.8	27
27	Expression of Ca ²⁺ -independent and Ca ²⁺ -dependent phospholipases A2 and cyclooxygenases in human melanocytes and malignant melanoma cell lines. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 635-642.	2.4	26
28	PKC \pm -MAPK/ERK-phospholipase A2 signaling is required for human melanoma-enhanced brain endothelial cell proliferation and motility. <i>Microvascular Research</i> , 2009, 78, 338-357.	2.5	24
29	MAPKs mediate the activation of cytosolic phospholipase A2 by amyloid β (25-35) peptide in bovine retina pericytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1733, 172-186.	2.4	23
30	Blood-Brain Barrier in a Haemophilus influenzae Type a In Vitro Infection: Role of Adenosine Receptors A2A and A2B. <i>Molecular Neurobiology</i> , 2018, 55, 5321-5336.	4.0	23
31	Ixazomib Improves Bone Remodeling and Counteracts Sonic Hedgehog Signaling Inhibition Mediated by Myeloma Cells. <i>Cancers</i> , 2020, 12, 323.	3.7	22
32	A Tunable Nanoplatfom of Nanogold Functionalised with Angiogenin Peptides for Anti-Angiogenic Therapy of Brain Tumours. <i>Cancers</i> , 2019, 11, 1322.	3.7	21
33	Pericyte adhesion and growth onto polyhydroxymethylsiloxane surfaces nanostructured by plasma treatment and ion irradiation. <i>Microvascular Research</i> , 2004, 68, 209-220.	2.5	20
34	Anti-Angiogenic and Anti-Proliferative Graphene Oxide Nanosheets for Tumor Cell Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5571.	4.1	20
35	Ferulic Acid-Loaded Polymeric Nanoparticles for Potential Ocular Delivery. <i>Pharmaceutics</i> , 2021, 13, 687.	4.5	20
36	Molecular Mechanisms Mediating Antiangiogenic Action of the Urokinase Receptor-Derived Peptide UPARANT in Human Retinal Endothelial Cells. , 2016, 57, 5723.		19

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37	Comparison Between Folic Acid and gH625 Peptide-Based Functionalization of Fe ₃ O ₄ Magnetic Nanoparticles for Enhanced Cell Internalization. <i>Nanoscale Research Letters</i> , 2018, 13, 45.	5.7	19
38	Cytosolic phospholipase A2 mediates arachidonoyl phospholipid hydrolysis in immortalized rat brain endothelial cells stimulated by oxidized LDL. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1585, 19-29.	2.4	18
39	PJ-34 inhibits PARP-1 expression and ERK phosphorylation in glioma-conditioned brain microvascular endothelial cells. <i>European Journal of Pharmacology</i> , 2015, 761, 55-64.	3.5	18
40	Palmitate transport through the blood-retina and blood-brain barrier of rat visual system during aging. <i>Neuroscience Letters</i> , 1993, 150, 17-20.	2.1	17
41	Protein kinase C activation affects, via the mRNA-binding Hu-antigen R/ELAV protein, vascular endothelial growth factor expression in a pericytic/endothelial coculture model. <i>Molecular Vision</i> , 2012, 18, 2153-64.	1.1	17
42	Differential transport of docosahexaenoate and palmitate through the blood-retina and blood-brain barrier of the rat. <i>Neuroscience Letters</i> , 1994, 171, 133-136.	2.1	16
43	Lipid peroxidation inhibits acyl-CoA :- 1-acyl-sn-Glycero-3-phosphocholine O-acyltransferase but not CTP: Phosphocholine cytidyltransferase activity in rat brain membranes. <i>Neurochemistry International</i> , 1995, 26, 477-487.	3.8	16
44	Activation of cytosolic phospholipase A2 and 15-lipoxygenase by oxidized low-density lipoproteins in cultured human lung fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 522-532.	2.4	16
45	Effects of High Glucose Concentration on Pericyte-Like Differentiated Human Adipose-Derived Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4604.	4.1	16
46	Cytoprotective effect of copper(II) complexes against ethanol-induced damage to rat gastric mucosa. <i>Journal of Inorganic Biochemistry</i> , 1992, 45, 245-259.	3.5	15
47	Involvement of PKC/ERK-MAPK/ERK-phospholipase A2 pathway in the Escherichia coli invasion of brain microvascular endothelial cells. <i>Neuroscience Letters</i> , 2012, 511, 33-37.	2.1	15
48	Droplet digital PCR for the detection and monitoring of Legionella pneumophila. <i>International Journal of Molecular Medicine</i> , 2020, 46, 1777-1782.	4.0	15
49	1-Acyl-2-lysophosphatidylcholine transport across the blood-retina and blood-brain barrier. <i>FEBS Letters</i> , 1994, 351, 181-185.	2.8	14
50	Amyloid β but not bradykinin induces phosphatidylcholine hydrolysis in immortalized rat brain endothelial cells. <i>Neuroscience Letters</i> , 1999, 271, 151-154.	2.1	14
51	Uveal Melanoma Cells Elicit Retinal Pericyte Phenotypical and Biochemical Changes in an in Vitro Model of Coculture. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5557.	4.1	13
52	Amyloid β (1-42) and its β (25-35) fragment induce in vitro phosphatidylcholine hydrolysis in bovine retina capillary pericytes. <i>Neuroscience Letters</i> , 2001, 303, 185-188.	2.1	12
53	High glucose and advanced glycation end products induce phospholipid hydrolysis and phospholipid enzyme inhibition in bovine retinal pericytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001, 1533, 128-140.	2.4	12
54	Ferritin-supported lipid bilayers for triggering the endothelial cell response. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 48-55.	5.0	12

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55	Atropine Differentially Modulates ECM Production by Ocular Fibroblasts, and Its Ocular Surface Toxicity Is Blunted by Colostrum. <i>Biomedicines</i> , 2020, 8, 78.	3.2	11
56	The double effect of walnut septum extract (<i>Juglans regia</i> L.) counteracts A172 glioblastoma cell survival and bacterial growth. <i>International Journal of Oncology</i> , 2020, 57, 1129-1144.	3.3	11
57	Asthenozoospermia and membrane remodeling enzymes: a new role for phospholipase A ₂ . <i>Andrology</i> , 2015, 3, 1173-1182.	3.5	10
58	<i>Klebsiella pneumoniae</i> Induces an Inflammatory Response in an <i>In Vitro</i> Model of Blood-Retinal Barrier. <i>Infection and Immunity</i> , 2014, 82, 851-863.	2.2	9
59	Haloperidol Metabolite II Valproate Ester (<i>S</i>)-(âˆ™)-MRJF22: Preliminary Studies as a Potential Multifunctional Agent Against Uveal Melanoma. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13622-13632.	6.4	9
60	UV-O3-treated and protein-coated polymer surfaces facilitate endothelial cell adhesion and proliferation mediated by the PKC β /ERK/cPLA2 pathway. <i>Microvascular Research</i> , 2008, 75, 330-342.	2.5	8
61	Role of cytosolic and calcium independent phospholipases A ₂ in insulin secretion impairment of INS β E cells infected by <i>S. aureus</i> . <i>FEBS Letters</i> , 2015, 589, 3969-3976.	2.8	8
62	Effect of Lipoic Acid on the Biochemical Mechanisms of Resistance to Bortezomib in SH-SY5Y Neuroblastoma Cells. <i>Molecular Neurobiology</i> , 2018, 55, 3344-3350.	4.0	8
63	Lipid peroxidation inhibits oleoyl-CoA:1-acyl-sn-glycero-3-phosphocholine O-acyltransferase in rat CNS axolemma-enriched fractions. <i>Neurochemistry International</i> , 1993, 23, 229-237.	3.8	7
64	Characterization of glycerophosphocholine phosphodiesterase activity and phosphatidylcholine biosynthesis in cultured retinal microcapillary pericytes. Effect of adenosine and endothelin-1. <i>Lipids</i> , 2003, 38, 45-52.	1.7	7
65	Antioxidant, antimicrobial and anticancer activities of <i>Castanea sativa</i> (Fagaceae) extract: new therapeutic perspectives. <i>Plant Biosystems</i> , 2021, 155, 1032-1040.	1.6	7
66	Susceptibility of rat retina acyl-CoA: 1-acyl-sn-glycero-3-phosphocholineO-acyltransferase and CTP:phosphocholine cytidyltransferase activity to lipid peroxidation and hydroperoxide treatment. <i>FEBS Letters</i> , 1994, 347, 123-127.	2.8	6
67	Evolutionary comparison of enzyme activities of phosphatidylcholine metabolism in the nervous system of an invertebrate (<i>Loligo pealei</i>), lower vertebrate (<i>Mustelus canis</i>) and the rat. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1995, 112, 493-501.	1.6	6
68	Phosphatidylcholine synthesis-related enzyme activities of bovine brain microvessels exhibit susceptibility to peroxidation. <i>FEBS Letters</i> , 1996, 384, 19-24.	2.8	6
69	Arachidonate transport through the bloodâ€ˆretina and bloodâ€ˆbrain barrier of the rat after reperfusion of varying duration following complete cerebral ischemia. <i>International Journal of Developmental Neuroscience</i> , 1998, 16, 103-113.	1.6	6
70	Glucose-Impaired Corneal Re-Epithelialization Is Promoted by a Novel Derivate of Dimethyl Fumarate. <i>Antioxidants</i> , 2021, 10, 831.	5.1	6
71	The Anti-Inflammatory Effect of the Î²1-Adrenergic Receptor Antagonist Metoprolol on High Glucose Treated Human Microvascular Retinal Endothelial Cells. <i>Cells</i> , 2022, 11, 51.	4.1	6
72	Isolation and Characterization of a New Human Corneal Epithelial Cell Line: HCE-F. <i>Cornea</i> , 2020, 39, 1419-1425.	1.7	5

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73	Lipid hydroperoxides induce changes in palmitate uptake across the rat blood-retina and blood-brain barrier. <i>Neuroscience Letters</i> , 1994, 176, 247-250.	2.1	4
74	Cytosolic and Calcium-Independent Phospholipases A2 Activation and Prostaglandins E2 Are Associated with <i>Escherichia coli</i> -Induced Reduction of Insulin Secretion in INS-1E Cells. <i>PLoS ONE</i> , 2016, 11, e0159874.	2.5	4
75	Melanogenesis in uveal melanoma cells: Effect of argan oil. <i>International Journal of Molecular Medicine</i> , 2017, 40, 1277-1284.	4.0	4
76	Comparative Efficiency of Lutein and Astaxanthin in the Protection of Human Corneal Epithelial Cells In Vitro from Blue-Violet Light Photo-Oxidative Damage. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1268.	2.5	4
77	Aging does not affect the susceptibility to lipid peroxidation and lysosomal enzyme release of rat visual system structures and sciatic nerve. <i>Neurochemistry International</i> , 1993, 23, 157-162.	3.8	3
78	Microcapillary-like structures prompted by phospholipase A2 activation in endothelial cells and pericytes co-cultures on a polyhydroxymethylsiloxane thin film. <i>Biochimie</i> , 2012, 94, 1860-1870.	2.6	2
79	Melanoma-Induced Endothelial Cell Growth Involves Phospholipase A2 and COX2 Upregulation. , 2011, , .		0