

Pablo Escriba

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

4,132
citations

36
h-index

61
g-index

115
ext. papers

4,790
ext. citations

5.2
avg, IF

5.51
L-index

#	Paper	IF	Citations
101	Membranes: a meeting point for lipids, proteins and therapies. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 829-75	5.6	269
100	Membrane Lipid Composition: Effect on Membrane and Organelle Structure, Function and Compartmentalization and Therapeutic Avenues. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	224
99	The effect of natural and synthetic fatty acids on membrane structure, microdomain organization, cellular functions and human health. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1518-28	3.8	189
98	The significance of lipid composition for membrane activity: new concepts and ways of assessing function. <i>Progress in Lipid Research</i> , 2005 , 44, 303-44	14.3	173
97	Membrane-lipid therapy: a new approach in molecular medicine. <i>Trends in Molecular Medicine</i> , 2006 , 12, 34-43	11.5	158
96	Lipid-protein interactions in GPCR-associated signaling. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 836-52	3.8	138
95	Membrane lipid therapy: Modulation of the cell membrane composition and structure as a molecular base for drug discovery and new disease treatment. <i>Progress in Lipid Research</i> , 2015 , 59, 38-53	14.3	121
94	Up-regulation of immunolabeled alpha2A-adrenoceptors, Gi coupling proteins, and regulatory receptor kinases in the prefrontal cortex of depressed suicides. <i>Journal of Neurochemistry</i> , 1999 , 72, 282-91	6	118
93	Sphingomyelin and sphingomyelin synthase (SMS) in the malignant transformation of glioma cells and in 2-hydroxyoleic acid therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19569-74	11.5	114
92	Effects of oleic acid and its congeners, elaidic and stearic acids, on the structural properties of phosphatidylethanolamine membranes. <i>Journal of Lipid Research</i> , 2003 , 44, 567-75	6.3	110
91	Increased mRNA expression of alpha2A-adrenoceptors, serotonin receptors and mu-opioid receptors in the brains of suicide victims. <i>Neuropsychopharmacology</i> , 2004 , 29, 1512-21	8.7	102
90	Role of membrane lipids in the interaction of daunomycin with plasma membranes from tumor cells: implications in drug-resistance phenomena. <i>Biochemistry</i> , 1990 , 29, 7275-82	3.2	97
89	Increased density of guanine nucleotide-binding proteins in the postmortem brains of heroin addicts. <i>Archives of General Psychiatry</i> , 1994 , 51, 494-501		84
88	2-Hydroxyoleate, a nontoxic membrane binding anticancer drug, induces glioma cell differentiation and autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8489-94	11.5	73
87	Membrane interactions of G proteins and other related proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 1640-52	3.8	73
86	Influence of the membrane lipid structure on signal processing via G protein-coupled receptors. <i>Molecular Pharmacology</i> , 2005 , 68, 210-7	4.3	69
85	Alteration of lipids, G proteins, and PKC in cell membranes of elderly hypertensives. <i>Hypertension</i> , 2003 , 41, 176-82	8.5	65

84	Membrane structure modulation, protein kinase C alpha activation, and anticancer activity of minerval. <i>Molecular Pharmacology</i> , 2005 , 67, 531-40	4.3	65
83	Chronic treatment with the monoamine oxidase inhibitors clorgyline and pargyline down-regulates non-adrenoceptor [3H]-idazoxan binding sites in the rat brain. <i>British Journal of Pharmacology</i> , 1993 , 108, 597-603	8.6	65
82	The Gbetagamma dimer drives the interaction of heterotrimeric Gi proteins with nonlamellar membrane structures. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36540-5	5.4	64
81	Imidazoline receptors and human brain disorders. <i>Annals of the New York Academy of Sciences</i> , 1999 , 881, 392-409	6.5	64
80	Synthesis and mass spectroscopy kinetics of a novel ternary copper(II) complex with cytotoxic activity against cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 649-59	4.2	63
79	G protein-coupled receptor systems and their lipid environment in health disorders during aging. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 964-75	3.8	62
78	Regulation of G protein-coupled receptor kinase 2 in brains of opiate-treated rats and human opiate addicts. <i>Journal of Neurochemistry</i> , 1998 , 70, 1249-57	6	59
77	The effects of chronic imidazoline drug treatment on glial fibrillary acidic protein concentrations in rat brain. <i>British Journal of Pharmacology</i> , 1994 , 111, 997-1002	8.6	55
76	Regulation of the cancer cell membrane lipid composition by NaCH ₃ Oleate: effects on cell signaling and therapeutical relevance in glioma. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1619-27 ⁸	3.8	54
75	Effects of unsaturated fatty acids and triacylglycerols on phosphatidylethanolamine membrane structure. <i>Journal of Lipid Research</i> , 2003 , 44, 1720-7	6.3	52
74	Imidazoline receptor proteins in brains of patients with Alzheimer's disease. <i>Neuroscience Letters</i> , 1998 , 247, 95-8	3.3	48
73	Immunodetection of putative imidazoline receptor proteins in the human and rat brain and other tissues. <i>Neuroscience Letters</i> , 1994 , 178, 81-4	3.3	48
72	2-hydroxyoleic acid: a new hypotensive molecule. <i>Hypertension</i> , 2004 , 43, 249-54	8.5	42
71	The hypotensive drug 2-hydroxyoleic acid modifies the structural properties of model membranes. <i>Molecular Membrane Biology</i> , 2004 , 21, 261-8	3.4	42
70	Loss of protein kinase C-alpha beta in brain of heroin addicts and morphine-dependent rats. <i>Journal of Neurochemistry</i> , 1995 , 64, 247-52	6	42
69	Cognitive recovery and restoration of cell proliferation in the dentate gyrus in the 5XFAD transgenic mice model of Alzheimer's disease following 2-hydroxy-DHA treatment. <i>Biogerontology</i> , 2013 , 14, 763-75	4.5	39
68	Structural basis of glycogen branching enzyme deficiency and pharmacologic rescue by rational peptide design. <i>Human Molecular Genetics</i> , 2015 , 24, 5667-76	5.6	37
67	Membrane lipid modifications and therapeutic effects mediated by hydroxydocosahexaenoic acid on Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1680-92	3.8	37

66	Density of guanine nucleotide-binding proteins in platelets of patients with major depression: increased abundance of the G alpha i2 subunit and down-regulation by antidepressant drug treatment. <i>Biological Psychiatry</i> , 1997 , 42, 704-12	7.9	35
65	Partitioning of liquid-ordered/liquid-disordered membrane microdomains induced by the fluidifying effect of 2-hydroxylated fatty acid derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 2553-63	3.8	33
64	Pivotal role of dihydrofolate reductase knockdown in the anticancer activity of 2-hydroxyoleic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13754-8	11.5	33
63	Minerval induces apoptosis in Jurkat and other cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 659-70	5.6	33
62	2-Hydroxyoleic acid induces ER stress and autophagy in various human glioma cell lines. <i>PLoS ONE</i> , 2012 , 7, e48235	3.7	31
61	The repression of E2F-1 is critical for the activity of Minerval against cancer. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 315, 466-74	4.7	30
60	Pharmacologic characterization of imidazoline receptor proteins identified by immunologic techniques and other methods. <i>Annals of the New York Academy of Sciences</i> , 1999 , 881, 8-25	6.5	30
59	LSL 60101, a selective ligand for imidazoline I2 receptors, on glial fibrillary acidic protein concentration. <i>European Journal of Pharmacology</i> , 1995 , 280, 205-10	5.3	30
58	Antihypertensive action of 2-hydroxyoleic acid in SHR via modulation of the protein kinase A pathway and Rho kinase. <i>Journal of Lipid Research</i> , 2006 , 47, 1762-70	6.3	29
57	Pharmacological modulation of immunoreactive imidazoline receptor proteins in rat brain: relationship with non-adrenoceptor [3H]-idazoxan binding sites. <i>British Journal of Pharmacology</i> , 1996 , 118, 2029-36	8.6	28
56	The role of membrane fatty acid remodeling in the antitumor mechanism of action of 2-hydroxyoleic acid. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1405-13	3.8	27
55	Molecular characterization and isolation of a 45-kilodalton imidazoline receptor protein from the rat brain. <i>Molecular Brain Research</i> , 1995 , 32, 187-96		27
54	Age-dependent increases of immunoreactive imidazoline receptors in the human brain: possible association of a 29/30 kDa protein with the I2-imidazoline receptor identified by [3H]idazoxan. <i>Neuroscience Letters</i> , 1995 , 184, 133-6	3.3	26
53	Consumption of virgin olive oil influences membrane lipid composition and regulates intracellular signaling in elderly adults with type 2 diabetes mellitus. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 256-63	6.4	24
52	Changes in membrane organization upon spontaneous insertion of 2-hydroxylated unsaturated fatty acids in the lipid bilayer. <i>Langmuir</i> , 2014 , 30, 2117-28	4	23
51	2-hydroxy arachidonic acid: a new non-steroidal anti-inflammatory drug. <i>PLoS ONE</i> , 2013 , 8, e72052	3.7	22
50	Platelet imidazoline receptors and regulatory G proteins in patients with major depression. <i>NeuroReport</i> , 1996 , 8, 169-72	1.7	21
49	Identification of Biomarkers of Necrosis in Xenografts Using Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 244-54	3.5	20

48	Differential effect of 2-hydroxyoleic acid enantiomers on protein (sphingomyelin synthase) and lipid (membrane) targets. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1628-37	3.8	20
47	Interactions of fatty acids with phosphatidylethanolamine membranes: X-ray diffraction and molecular dynamics studies. <i>Journal of Lipid Research</i> , 2010 , 51, 1113-24	6.3	20
46	Parallel modulation of receptor for activated C kinase 1 and protein kinase C-alpha and beta isoforms in brains of morphine-treated rats. <i>British Journal of Pharmacology</i> , 1999 , 127, 343-8	8.6	20
45	Analysis of the lipidome of xenografts using MALDI-IMS and UHPLC-ESI-QTOF. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1237-46	3.5	19
44	Membrane structure and function: relevance of lipid and protein structures in cellular physiology, pathology and therapy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1449-50	3.8	18
43	Interaction of the C-terminal region of the Ggamma protein with model membranes. <i>Biophysical Journal</i> , 2007 , 93, 2530-41	2.9	18
42	Membrane phospholipid reorganization differentially regulates metallothionein and heme oxygenase by heme-hemopexin. <i>DNA and Cell Biology</i> , 2002 , 21, 355-64	3.6	18
41	Decreased number and immunoreactivity of I2-imidazoline receptors in the frontal cortex of suicide victims. <i>Annals of the New York Academy of Sciences</i> , 1995 , 763, 520-2	6.5	18
40	Ultrastructural alterations in plasma membranes from drug-resistant P388 murine leukemia cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1029, 191-5	3.8	18
39	G protein-membrane interactions II: Effect of G protein-linked lipids on membrane structure and G protein-membrane interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1526-1535	3.8	17
38	G protein-membrane interactions I: G $\beta\gamma$ myristoyl and palmitoyl modifications in protein-lipid interactions and its implications in membrane microdomain localization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 1511-20	5	17
37	Farnesol and geranylgeraniol modulate the structural properties of phosphatidylethanolamine model membranes. <i>Molecular Membrane Biology</i> , 2005 , 22, 303-11	3.4	16
36	The unfolded protein response in the therapeutic effect of hydroxy-DHA against Alzheimer's disease. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015 , 20, 712-24	5.4	15
35	The Opposing Contribution of SMS1 and SMS2 to Glioma Progression and Their Value in the Therapeutic Response to 2OHOA. <i>Cancers</i> , 2019 , 11,	6.6	15
34	Guaiacol as a drug candidate for treating adult polyglucosan body disease. <i>JCI Insight</i> , 2018 , 3,	9.9	14
33	Effects of 2-hydroxyoleic acid on the structural properties of biological and model plasma membranes. <i>Molecular Membrane Biology</i> , 2008 , 25, 46-57	3.4	13
32	The hydroxylated form of docosahexaenoic acid (DHA-H) modifies the brain lipid composition in a model of Alzheimer's disease, improving behavioral motor function and survival. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1596-1603	3.8	12
31	Density of imidazoline receptors in platelets of euthymic patients with bipolar affective disorder and in brains of lithium-treated rats. <i>Biological Psychiatry</i> , 1998 , 43, 616-8	7.9	12

30	Sustained activation of sphingomyelin synthase by 2-hydroxyoleic acid induces sphingolipidosis in tumor cells. <i>Journal of Lipid Research</i> , 2013 , 54, 1457-65	6.3	11
29	2-hydroxyoleic acid affects cardiomyocyte $[Ca^{2+}]_i$ transient and contractility in a region-dependent manner. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1948-55	5.2	10
28	The Novel Anticancer Drug Hydroxytrirolein Inhibits Lung Cancer Cell Proliferation via a Protein Kinase C β and Extracellular Signal-Regulated Kinase 1/2-Dependent Mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 354, 213-24	4.7	9
27	The Implications for Cells of the Lipid Switches Driven by Protein-Membrane Interactions and the Development of Membrane Lipid Therapy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
26	Normalization of sphingomyelin levels by 2-hydroxyoleic acid induces autophagic cell death of SF767 cancer cells. <i>Autophagy</i> , 2012 , 8, 1542-4	10.2	9
25	Ternary copper(II) complexes with hippurate derivatives and 1,10-phenanthroline: Synthesis and biological activity. <i>Inorganica Chimica Acta</i> , 2009 , 362, 4744-4753	2.7	9
24	Effects of the alkylating agent EEDQ on regulatory G proteins and recovery of agonist and antagonist α_2 -adrenoceptor binding sites in rat brain. <i>European Journal of Pharmacology</i> , 1998 , 351, 145-54	5.3	9
23	I_2 -imidazoline receptors in the healthy and pathologic human brain. <i>Annals of the New York Academy of Sciences</i> , 1995 , 763, 178-93	6.5	9
22	Triacylglycerol mimetics regulate membrane interactions of glycogen branching enzyme: implications for therapy. <i>Journal of Lipid Research</i> , 2017 , 58, 1598-1612	6.3	8
21	The triacylglycerol, hydroxytrirolein, inhibits triple negative mammary breast cancer cell proliferation through a mechanism dependent on dihydroceramide and Akt. <i>Oncotarget</i> , 2019 , 10, 2486-2507	3.3	8
20	Minerval (2-hydroxyoleic acid) causes cancer cell selective toxicity by uncoupling oxidative phosphorylation and compromising bioenergetic compensation capacity. <i>Bioscience Reports</i> , 2019 , 39,	4.1	8
19	Role of the C-terminal basic amino acids and the lipid anchor of the G β protein in membrane interactions and cell localization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1536-1547	3.8	7
18	Optimized Protocol To Analyze Changes in the Lipidome of Xenografts after Treatment with 2-Hydroxyoleic Acid. <i>Analytical Chemistry</i> , 2016 , 88, 1022-9	7.8	6
17	The alkylating agent EEDQ facilitates protease-mediated degradation of the human brain α_2A -adrenoceptor as revealed by a sequence-specific antibody. <i>Neuroscience Letters</i> , 1999 , 263, 105-8	3.3	6
16	A novel plasmid series for in vitro production of phoA translational fusions and its use in the construction of Escherichia coli PhoE::PhoA hybrid proteins. <i>Gene</i> , 1994 , 151, 125-30	3.8	6
15	Final report of a phase I study of 2-hydroxyoleic acid (2OHOA) a novel sphingomyelin synthase activator in patients (pt) with advanced solid tumors (AST) including recurrent high grade gliomas (rHGG).. <i>Journal of Clinical Oncology</i> , 2017 , 35, 2554-2554	2.2	5
14	Basic principles underlying the emerging field of lipid therapy. <i>American Clinical Laboratory</i> , 2002 , 21, 29-31		5
13	Interaction of transmembrane-spanning segments of the α_2 -adrenergic receptor with model membranes. <i>Molecular Membrane Biology</i> , 2009 , 26, 265-78	3.4	4

12	Chronic clorgyline induces selective down-regulation of alpha2-adrenoceptor agonist binding sites in rat brain. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2000 , 87, 269-75		4
11	Brain Lipids in the Pathophysiology and Treatment of Alzheimer's Disease 2016 ,		4
10	A scanning calorimetric study of natural DNA and antitumoral anthracycline antibiotic-DNA complexes. <i>Chemico-Biological Interactions</i> , 1990 , 74, 315-24	5	3
9	Treatment with albumin-hydroxyoleic acid complex restores sensorimotor function in rats with spinal cord injury: Efficacy and gene expression regulation. <i>PLoS ONE</i> , 2017 , 12, e0189151	3.7	3
8	2-Hydroxy-Docosahexaenoic Acid Is Converted Into Heneicosapentaenoic Acid via β Oxidation: Implications for Alzheimer's Disease Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 164	5.7	3
7	Fundamentals of Membrane Lipid Replacement: A Natural Medicine Approach to Repairing Cellular Membranes and Reducing Fatigue, Pain, and Other Symptoms While Restoring Function in Chronic Illnesses and Aging.. <i>Membranes</i> , 2021 , 11,	3.8	2
6	Lipids in Pathophysiology and Development of the Membrane Lipid Therapy: New Bioactive Lipids.. <i>Membranes</i> , 2021 , 11,	3.8	2
5	The Novel Antitumor Compound HCA Promotes Glioma Cell Death by Inducing Endoplasmic Reticulum Stress and Autophagy. <i>Cancers</i> , 2021 , 13,	6.6	2
4	Pharmacological and immunological characterization of solubilized 130-140- and 66-kD imidazoline receptors in the rat brain. <i>Annals of the New York Academy of Sciences</i> , 1995 , 763, 169-71	6.5	1
3	Tri-2-Hydroxyarachidonein Induces Cytocidal Autophagy in Pancreatic Ductal Adenocarcinoma Cancer Cell Models.. <i>Frontiers in Physiology</i> , 2021 , 12, 782525	4.6	0
2	Effects of fatty acids on the structural properties of biological and model membranes. <i>Chemistry and Physics of Lipids</i> , 2007 , 149, S39	3.7	
1	Membrane-Lipid Therapy 2011 , 2229-2233		