

# Alonso, A

## List of Publications by Year in descending order

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78  
papers

2,361  
citations

218677

26  
h-index

233421

45  
g-index

79  
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79  
docs citations

79  
times ranked

2984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of Cholesterol with Sphingomyelin in Mixed Membranes Containing Phosphatidylcholine, Studied by Spin-Label ESR and IR Spectroscopies. A Possible Stabilization of Gel-Phase Sphingolipid Domains by Cholesterol. <i>Biochemistry</i> , 2001, 40, 2614-2622.	2.5	146
2	The antioxidant effect of tannic acid on the in vitro copper-mediated formation of free radicals. <i>Archives of Biochemistry and Biophysics</i> , 2005, 437, 1-9.	3.0	139
3	Water Increases the Fluidity of Intercellular Membranes of Stratum Corneum: Correlation with Water Permeability, Elastic, and Electrical Resistance Properties. <i>Journal of Investigative Dermatology</i> , 1996, 106, 1058-1063.	0.7	126
4	Antioxidant Activity of Caffeic Acid against Iron-Induced Free Radical Generation—A Chemical Approach. <i>PLoS ONE</i> , 2015, 10, e0129963.	2.5	108
5	Chilling stress leads to increased cell membrane rigidity in roots of coffee ( <i>Coffea arabica</i> L.) seedlings. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1323, 75-84.	2.6	94
6	Small-angle X-ray scattering and electron paramagnetic resonance study of the interaction of bovine serum albumin with ionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2004, 277, 471-482.	9.4	86
7	Toxicity of terpenes on fibroblast cells compared to their hemolytic potential and increase in erythrocyte membrane fluidity. <i>Toxicology in Vitro</i> , 2013, 27, 323-329.	2.4	72
8	Impact of lipid dynamic behavior on physical stability, in vitro release and skin permeation of genistein-loaded lipid nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 40-47.	4.3	69
9	Chilling-induced changes in membrane fluidity and antioxidant enzyme activities in <i>Coffea arabica</i> L. roots. <i>Biologia Plantarum</i> , 1998, 41, 403-413.	1.9	67
10	Tannic acid inhibits in vitro iron-dependent free radical formation. <i>Biochimie</i> , 2006, 88, 1287-1296.	2.6	66
11	Terpenes Increase the Lipid Dynamics in the Leishmania Plasma Membrane at Concentrations Similar to Their IC50 Values. <i>PLoS ONE</i> , 2014, 9, e104429.	2.5	56
12	Effect of hydration upon the fluidity of intercellular membranes of stratum corneum: an EPR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1237, 6-15.	2.6	54
13	Effects of 1,8-cineole on the dynamics of lipids and proteins of stratum corneum. <i>International Journal of Pharmaceutics</i> , 2007, 345, 81-87.	5.2	51
14	Trypanocidal Action of ( $\alpha$ )-Elatol Involves an Oxidative Stress Triggered by Mitochondria Dysfunction. <i>Marine Drugs</i> , 2012, 10, 1631-1646.	4.6	51
15	Inhibitory Effect of Dipyridamole and its Derivatives on Lipid Peroxidation in Mitochondria. <i>Free Radical Biology and Medicine</i> , 1997, 23, 1046-1054.	2.9	49
16	Terpenes increase the partitioning and molecular dynamics of an amphipathic spin label in stratum corneum membranes. <i>International Journal of Pharmaceutics</i> , 2008, 350, 103-112.	5.2	47
17	Effects of terpenes on fluidity and lipid extraction in phospholipid membranes. <i>Biophysical Chemistry</i> , 2015, 198, 45-54.	2.8	41
18	Electron paramagnetic resonance study of lipid and protein membrane components of erythrocytes oxidized with hydrogen peroxide. <i>Brazilian Journal of Medical and Biological Research</i> , 2012, 45, 473-481.	1.5	37

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19	Miltefosine Increases Lipid and Protein Dynamics in Leishmania amazonensis Membranes at Concentrations Similar to Those Needed for Cytotoxicity Activity. Antimicrobial Agents and Chemotherapy, 2014, 58, 3021-3028.	3.2	37
20	Effects of polyoxyethylene chain length on erythrocyte hemolysis induced by poly[oxyethylene (n) nonylphenol] non-ionic surfactants. Chemico-Biological Interactions, 1998, 113, 91-103.	4.0	36
21	Effects of ethanol/l-menthol on the dynamics and partitioning of spin-labeled lipids in the stratum corneum. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 406-412.	4.3	36
22	Interaction of miltefosine with intercellular membranes of stratum corneum and biomimetic lipid vesicles. International Journal of Pharmaceutics, 2012, 434, 391-398.	5.2	32
23	Stratum Corneum Protein Dynamics as Evaluated by a Spin-Label Maleimide Derivative: Effect of Urea. Biophysical Journal, 2001, 81, 3566-3576.	0.5	31
24	Ellagic acid inhibits iron-mediated free radical formation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 910-917.	3.9	30
25	The cytotoxic activity of miltefosine against Leishmania and macrophages is associated with dynamic changes in plasma membrane proteins. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1-9.	2.6	30
26	Photoinactivation of Salmonella enterica (serovar Typhimurium) by tetra-cationic porphyrins containing peripheral [Ru(bpy)2Cl]+ units. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 391, 112375.	3.9	28
27	Photodynamic evaluation of tetracarboxy-phthalocyanines in model systems. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 100-107.	3.8	27
28	Single crystal ESR studies of a nitroxide spin label. I. Determination of the G and A tensors. Journal of Chemical Physics, 1983, 79, 1176-1184.	3.0	25
29	Pharmaceutical properties of 'sucupira' (Pterodon spp.). Brazilian Journal of Pharmaceutical Sciences, 2010, 46, 607-616.	1.2	25
30	On the interaction of bovine serum albumin with ionic surfactants: Temperature induced EPR changes of a maleimide nitroxide reflect local protein dynamics and probe solvent accessibility. Colloids and Surfaces B: Biointerfaces, 2011, 88, 463-470.	5.0	25
31	Cell death in amastigote forms of Leishmania amazonensis induced by parthenolide. BMC Microbiology, 2014, 14, 152.	3.3	24
32	Improved tacrolimus skin permeation by co-encapsulation with clobetasol in lipid nanoparticles: Study of drug effects in lipid matrix by electron paramagnetic resonance. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 119, 142-149.	4.3	24
33	Interaction of Miltefosine with the Lipid and Protein Components of the Erythrocyte Membrane. Journal of Pharmaceutical Sciences, 2013, 102, 1661-1669.	3.3	23
34	Lipid chain dynamics in stratum corneum studied by spin label electron paramagnetic resonance. Chemistry and Physics of Lipids, 2000, 104, 101-111.	3.2	22
35	Hydration effects on the protein dynamics in stratum corneum as evaluated by EPR spectroscopy. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1646, 32-41.	2.3	22
36	Dynamics and partitioning of spin-labeled stearates into the lipid domain of stratum corneum. Journal of Controlled Release, 2005, 106, 374-385.	9.9	22

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37	Interaction of bovine serum albumin (BSA) with ionic surfactants evaluated by electron paramagnetic resonance (EPR) spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 70, 147-156.	5.0	22
38	On the formation, physicochemical properties and antibacterial activity of colloidal systems containing tea tree ( <i>Melaleuca alternifolia</i> ) oil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 271-279.	4.7	22
39	In vitro antileishmanial and cytotoxic activities of nerolidol are associated with changes in plasma membrane dynamics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1049-1056.	2.6	21
40	Iontophoresis enhances voriconazole antifungal potency and corneal penetration. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118991.	5.2	21
41	Pyridoxal isonicotinoyl hydrazone inhibits iron-induced ascorbate oxidation and ascorbyl radical formation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1620, 15-24.	2.4	20
42	Hemolytic potential of miltefosine is dependent on cell concentration: Implications for in vitro cell cytotoxicity assays and pharmacokinetic data. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1160-1164.	2.6	20
43	Photodynamic inactivation of Bovine herpesvirus type 1 (BoHV-1) by porphyrins. <i>Journal of General Virology</i> , 2018, 99, 1301-1306.	2.9	20
44	Enhanced asiaticoside skin permeation by <i>Centella asiatica</i> -loaded lipid nanoparticles: Effects of extract type and study of stratum corneum lipid dynamics. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 50, 305-312.	3.0	18
45	Predictive Model for Delivery Efficiency: Erythrocyte Membrane-Camouflaged Magnetofluorescent Nanocarriers Study. <i>Molecular Pharmaceutics</i> , 2020, 17, 837-851.	4.6	18
46	Paclitaxel-loaded lipid nanoparticles for topical application: the influence of oil content on lipid dynamic behavior, stability, and drug skin penetration. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	17
47	Antileishmanial activity of the chalcone derivative LQFM064 associated with reduced fluidity in the parasite membrane as assessed by EPR spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 151, 105407.	4.0	17
48	Dynamics of proteins and lipids in the stratum corneum: Effects of percutaneous permeation enhancers. <i>Biophysical Chemistry</i> , 2005, 116, 23-31.	2.8	16
49	Antileishmanial and cytotoxic activities of ionic surfactants compared to those of miltefosine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110421.	5.0	16
50	Membrane dynamics in <i>Leishmania amazonensis</i> and antileishmanial activities of $\hat{I}^2$ -carboline derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183473.	2.6	16
51	Nanostructured lipid carriers for hair follicle-targeted delivery of clindamycin and rifampicin to hidradenitis suppurativa treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111448.	5.0	16
52	Molecular Dynamics and Partitioning of Di- <i>n</i> -butyl Nitroxide in Stratum Corneum Membranes: Effect of Terpenes. <i>Lipids</i> , 2010, 45, 419-427.	1.7	14
53	4-Nerolidylcatechol and its synthetic analogues: Antioxidant activity and toxicity evaluation. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 371-378.	5.5	14
54	Interactions of miltefosine with erythrocyte membrane proteins compared to those of ionic surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 23-30.	5.0	14

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55	Liposomal Entrapment of 4-Nerolidylcatechol: Impact on Phospholipid Dynamics, Drug Stability and Bioactivity. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 838-847.	0.9	13
56	Development of lamellar gel phase emulsion containing baru oil ( <i>Dipteryx alata</i> Vog.) as a prospective delivery system for cutaneous application. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 183-190.	9.1	12
57	Effects of bovine serum albumin (BSA) on the excited-state properties of meso-tetrakis(sulfonatophenyl) porphyrin (TPPS4). <i>European Biophysics Journal</i> , 2019, 48, 721-729.	2.2	12
58	Biomimetic Artificial Membrane Permeability Assay over Franz Cell Apparatus Using BCS Model Drugs. <i>Pharmaceutics</i> , 2020, 12, 988.	4.5	12
59	An EPR spin probe study of the interactions between PC liposomes and stratum corneum membranes. <i>International Journal of Pharmaceutics</i> , 2018, 545, 93-100.	5.2	11
60	Combination of lipid nanoparticles and iontophoresis for enhanced lopinavir skin permeation: Impact of electric current on lipid dynamics. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 168, 106048.	4.0	11
61	Stratum corneum protein mobility as evaluated by a spin label maleimide derivative. <i>BBA - Proteins and Proteomics</i> , 2000, 1478, 89-101.	2.1	10
62	Analysis of the Interactions of Amphotericin B with the Leishmania Plasma Membrane Using EPR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10157-10165.	2.6	10
63	Effects of nerolidol and limonene on stratum corneum membranes: A probe EPR and fluorescence spectroscopy study. <i>International Journal of Pharmaceutics</i> , 2017, 532, 547-554.	5.2	8
64	Antileishmanial activity of 3,4,5-trisubstituted isoxazoles by interaction with <i>Leishmania amazonensis</i> plasma membrane. <i>Journal of Molecular Structure</i> , 2022, 1249, 131604.	3.6	8
65	Enhanced nail delivery of voriconazole-loaded nanomicelles by thioglycolic acid pretreatment: A study of protein dynamics and disulfide bond rupture. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120597.	5.2	7
66	Electron paramagnetic resonance (EPR) spectral components of spin-labeled lipids in saturated phospholipid bilayers: effect of cholesterol. <i>Quimica Nova</i> , 2013, 36, 815-821.	0.3	6
67	Antioxidant activity and mechanism of commercial Rama Forte persimmon fruits ( <i>Diospyros kaki</i> ). <i>PeerJ</i> , 2018, 6, e5223.	2.0	6
68	Antioxidant effect of 4-nerolidylcatechol and $\hat{\alpha}$ -tocopherol in erythrocyte ghost membranes and phospholipid bilayers. <i>Brazilian Journal of Medical and Biological Research</i> , 2013, 46, 780-788.	1.5	5
69	Comparative EPR spectroscopy analysis of amphotericin B and miltefosine interactions with <i>Leishmania</i> , erythrocyte and macrophage membranes. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 163, 105859.	4.0	5
70	Electron paramagnetic resonance of nitroxide-doped magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 252, 53-55.	2.3	4
71	Transmittance and Autofluorescence of Neonatal Rat Stratum Corneum: Nerolidol Increases the Dynamics and Partitioning of Protoporphyrin IX into Intercellular Membranes. <i>Journal of Fluorescence</i> , 2016, 26, 709-717.	2.5	4
72	Single-crystal ESR studies of a nitroxide radical. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1987, 9, 227-245.	0.4	3

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73	Spinâ€”lattice relaxation of a nitroxide radical in a single crystal. Chemical Physics Letters, 1992, 199, 111-118.	2.6	3
74	Synthesis, Antileishmanial Activity and Spin Labeling EPR Studies of Novel $\hat{2}$ -Carboline-Oxazoline and $\hat{2}$ -Carboline-Dihydrooxazine Derivatives. Journal of the Brazilian Chemical Society, 0, , .	0.6	3
75	Ivermectin and curcumin cause plasma membrane rigidity in <i>Leishmania amazonensis</i> due to oxidative stress. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183977.	2.6	3
76	<i>Mycobacterium abscessus</i> cell wall and plasma membrane characterization by EPR spectroscopy and effects of amphotericin B, miltefosine and nerolidol. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183872.	2.6	1
77	<i>Paracoccidioides brasiliensis</i> plasma membrane characterization by EPR spectroscopy and interactions with amphotericin B, miltefosine and nerolidol. Journal of Biomolecular Structure and Dynamics, 0, , 1-11.	3.5	1
78	Plasma membrane rigidity effects of 4-hydroxy-2-nonenal in <i>Leishmania</i> , erythrocyte and macrophage. Toxicology in Vitro, 2022, 79, 105294.	2.4	0