

Francisco J Aranda

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95
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101
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ext. citations

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L-index

#	Paper	IF	Citations
95	Molecular mechanism of membrane permeabilization by the peptide antibiotic surfactin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1611, 91-7	3.8	228
94	Membranotropic effects of the antibacterial agent Triclosan. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 390, 128-36	4.1	147
93	Aggregation behaviour of a dirhamnolipid biosurfactant secreted by <i>Pseudomonas aeruginosa</i> in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2007 , 307, 246-53	9.3	118
92	Further aspects on the hemolytic activity of the antibiotic lipopeptide iturin A. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1713, 51-6	3.8	100
91	Different effects of long- and short-chain ceramides on the gel-fluid and lamellar-hexagonal transitions of phospholipids: a calorimetric, NMR, and x-ray diffraction study. <i>Biophysical Journal</i> , 2005 , 88, 3368-80	2.9	92
90	Calorimetric and infrared spectroscopic studies of the interaction of alpha-tocopherol and alpha-tocopheryl acetate with phospholipid vesicles. <i>FEBS Journal</i> , 1986 , 158, 141-7		78
89	Effects of dirhamnolipid on the structural properties of phosphatidylcholine membranes. <i>International Journal of Pharmaceutics</i> , 2006 , 325, 99-107	6.5	67
88	Modulation of the physical properties of dielaidoylphosphatidylethanolamine membranes by a dirhamnolipid biosurfactant produced by <i>Pseudomonas aeruginosa</i> . <i>Chemistry and Physics of Lipids</i> , 2006 , 142, 118-27	3.7	61
87	The physicochemical properties and chemical composition of trehalose lipids produced by <i>Rhodococcus erythropolis</i> 51T7. <i>Chemistry and Physics of Lipids</i> , 2009 , 158, 110-7	3.7	59
86	Rosemary (<i>Rosmarinus officinalis</i>) diterpenes affect lipid polymorphism and fluidity in phospholipid membranes. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 453, 224-36	4.1	59
85	A differential scanning calorimetry study of the interaction of alpha-tocopherol with mixtures of phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987 , 898, 214-22	3.8	56
84	Mechanism of membrane permeabilization by a bacterial trehalose lipid biosurfactant produced by <i>Rhodococcus</i> sp. <i>Langmuir</i> , 2009 , 25, 7892-8	4	55
83	Edelfosine is incorporated into rafts and alters their organization. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11643-54	3.4	55
82	Permeabilization of biological and artificial membranes by a bacterial dirhamnolipid produced by <i>Pseudomonas aeruginosa</i> . <i>Journal of Colloid and Interface Science</i> , 2010 , 341, 240-7	9.3	54
81	Capsaicin affects the structure and phase organization of phospholipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995 , 1234, 225-34	3.8	54
80	Localization of alpha-tocopherol in membranes. <i>Annals of the New York Academy of Sciences</i> , 1989 , 570, 109-20	6.5	51
79	New pH-sensitive liposomes containing phosphatidylethanolamine and a bacterial dirhamnolipid. <i>Chemistry and Physics of Lipids</i> , 2011 , 164, 16-23	3.7	48

78	Interaction between alpha-tocopherol and heteroacid phosphatidylcholines with different amounts of unsaturation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1279, 251-8	3.8	48
77	Hemolytic activity of a bacterial trehalose lipid biosurfactant produced by <i>Rhodococcus</i> sp.: evidence for a colloid-osmotic mechanism. <i>Langmuir</i> , 2010 , 26, 8567-72	4	46
76	The interaction of abietic acid with phospholipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997 , 1327, 171-80	3.8	46
75	Structure and interaction with membrane model systems of a peptide derived from the major epitope region of HIV protein gp41: implications on viral fusion mechanism. <i>Biochemistry</i> , 2001 , 40, 3196-3207	4.2	46
74	Thermodynamics of the interaction of a dirhamnolipid biosurfactant secreted by <i>Pseudomonas aeruginosa</i> with phospholipid membranes. <i>Langmuir</i> , 2007 , 23, 2700-5	4	45
73	Fluorescence study of the location and dynamics of β -tocopherol in phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989 , 985, 26-32	3.8	45
72	Interactions of a bacterial biosurfactant trehalose lipid with phosphatidylserine membranes. <i>Chemistry and Physics of Lipids</i> , 2009 , 158, 46-53	3.7	44
71	On the interaction of ubiquinones with phospholipid bilayers. <i>FEBS Letters</i> , 1981 , 132, 19-22	3.8	43
70	Influence of vitamin E on phosphatidylethanolamine lipid polymorphism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1022, 194-202	3.8	41
69	Curcumin disorders 1,2-dipalmitoyl-sn-glycero-3-phosphocholine membranes and favors the formation of nonlamellar structures by 1,2-dielaidoyl-sn-glycero-3-phosphoethanolamine. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 9778-86	3.4	40
68	Effect of triorganotin compounds on membrane permeability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1720, 137-42	3.8	37
67	Nanodesign of new self-assembling core-shell gellan-transfersomes loading baicalin and in vivo evaluation of repair response in skin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 569-579	6	36
66	Effects of (+)-totarol, a diterpenoid antibacterial agent, on phospholipid model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001 , 1511, 281-90	3.8	36
65	The interaction of ubiquinone-10 and ubiquinol-10 with phospholipid bilayers. A study using differential scanning calorimetry and turbidity measurements. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985 , 820, 19-26	3.8	36
64	Antimycotic activity of fengycin C biosurfactant and its interaction with phosphatidylcholine model membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 156, 114-122	6	34
63	The phase behavior of aqueous dispersions of unsaturated mixtures of diacylglycerols and phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998 , 1373, 209-19	3.8	34
62	Organotin compounds alter the physical organization of phosphatidylcholine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001 , 1510, 330-41	3.8	34
61	Molecular aspects of the interaction between plants sterols and DPPC bilayers: an experimental and theoretical approach. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 192-201	9.3	33

60	Isolation and partial characterization of a biosurfactant mixture produced by <i>Sphingobacterium</i> sp. isolated from soil. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 195-204	9.3	33
59	Interactions of a <i>Rhodococcus</i> sp. biosurfactant trehalose lipid with phosphatidylethanolamine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 2806-13	3.8	33
58	Thermodynamic and structural changes associated with the interaction of a dirhamnolipid biosurfactant with bovine serum albumin. <i>Langmuir</i> , 2008 , 24, 6487-95	4	31
57	Fluorescence study of a derivatized diacylglycerol incorporated in model membranes. <i>Chemistry and Physics of Lipids</i> , 1994 , 69, 75-85	3.7	28
56	The interaction of coenzyme Q with phosphatidylethanolamine membranes. <i>FEBS Journal</i> , 1999 , 259, 739-46		27
55	1,2-Dioleoylglycerol promotes calcium-induced fusion in phospholipid vesicles. <i>Chemistry and Physics of Lipids</i> , 1992 , 62, 215-24	3.7	27
54	Importance of the tryptophans of gramicidin for its lipid structure modulating activity in lysophosphatidylcholine and phosphatidylethanolamine model membranes. A comparative study employing gramicidin analogs and a synthetic alpha-helical hydrophobic polypeptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987 , 901, 217-28	3.8	27
53	Interaction of a <i>Rhodococcus</i> sp. trehalose lipid biosurfactant with model proteins: thermodynamic and structural changes. <i>Langmuir</i> , 2012 , 28, 1381-90	4	26
52	Interaction of a bacterial dirhamnolipid with phosphatidylcholine membranes: a biophysical study. <i>Chemistry and Physics of Lipids</i> , 2009 , 161, 51-5	3.7	25
51	In vitro study of the cytotoxicity and antiproliferative effects of surfactants produced by <i>Sphingobacterium</i> detergens. <i>International Journal of Pharmaceutics</i> , 2013 , 453, 433-40	6.5	24
50	Domain formation by a <i>Rhodococcus</i> sp. biosurfactant trehalose lipid incorporated into phosphatidylcholine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 2596-604	3.8	24
49	Organotin compounds promote the formation of non-lamellar phases in phosphatidylethanolamine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002 , 1558, 70-81	3.8	24
48	Influence of the physical state of the membrane on the enzymatic activity and energy of activation of protein kinase C alpha. <i>Biochemistry</i> , 1999 , 38, 7747-54	3.2	23
47	Redox state of coenzyme Q10 determines its membrane localization. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12696-702	3.4	22
46	The interaction of alpha-tocopherol with phosphatidylserine vesicles and calcium. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1281, 23-30	3.8	22
45	The vertical location of Tocopherol in phosphatidylcholine membranes is not altered as a function of the degree of unsaturation of the fatty acyl chains. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6731-6742 ²⁰	3.6	20
44	The dissimilar effect of diacylglycerols on Ca(2+)-induced phosphatidylserine vesicle fusion. <i>Biophysical Journal</i> , 1995 , 68, 558-66	2.9	19
43	Interaction of retinol and retinoic acid with phospholipid membranes. A differential scanning calorimetry study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992 , 1106, 282-90	3.8	19

42	Interaction of dirhamnolipid biosurfactants with phospholipid membranes: a molecular level study. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 672, 42-53	3.6	18
41	The chemical toxic benzo[a]pyrene perturbs the physical organization of phosphatidylcholine membranes. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 787-793	3.8	18
40	A Fourier transform infrared spectroscopic study of the molecular interaction of ubiquinone-10 and ubiquinol-10 with bilayers of dipalmitoylphosphatidylcholine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986 , 861, 25-32	3.8	18
39	Sphingobacterium detergens sp. nov., a surfactant-producing bacterium isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012 , 62, 3036-3041	2.2	17
38	The production and physicochemical properties of a biosurfactant mixture obtained from Sphingobacterium detergens. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 368-79	9.3	16
37	Effects of a synthetic antitumoral catechin and its tyrosinase-processed product on the structural properties of phosphatidylcholine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1215-24	3.8	15
36	Interaction of a synthetic peptide corresponding to the N-terminus of canine distemper virus fusion protein with phospholipid vesicles: a biophysical study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1618, 51-8	3.8	15
35	The influence of vitamin K1 on the structure and phase behaviour of model membrane systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1418, 206-20	3.8	15
34	Role of phosphatidylserine and diacylglycerol in the fusion of chromaffin granules with target membranes. <i>Archives of Biochemistry and Biophysics</i> , 1994 , 314, 205-16	4.1	15
33	Interrelationships between tyrocidine and gramicidin A in their interaction with phospholipids in model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988 , 937, 195-203	3.8	14
32	Influence of membrane fluidity on transport mediated by ubiquinones through phospholipid vesicles. <i>Archives of Biochemistry and Biophysics</i> , 1982 , 218, 525-30	4.1	14
31	Interaction of a trehalose lipid biosurfactant produced by Rhodococcus erythropolis 51T7 with a secretory phospholipase A2. <i>Journal of Colloid and Interface Science</i> , 2013 , 408, 132-7	9.3	13
30	Interaction of the Lipopeptide Biosurfactant Lichenysin with Phosphatidylcholine Model Membranes. <i>Langmuir</i> , 2017 , 33, 9997-10005	4	13
29	The increase in positively charged residues in cecropin D-like Galleria mellonella favors its interaction with membrane models that imitate bacterial membranes. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 629, 54-62	4.1	13
28	Root Plasma Membrane Lipid Changes in Relation to Water Transport in Pepper: a Response to NaCl and CaCl ₂ Treatment 2007 , 50, 650-657		13
27	Influence of organotin compounds on phosphatidylserine membranes. <i>Applied Organometallic Chemistry</i> , 2004 , 18, 111-116	3.1	13
26	Effects of a bacterial trehalose lipid on phosphatidylglycerol membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 2067-72	3.8	12
25	Effects of the anti-neoplastic agent ET-18-OCH ₃ and some analogs on the biophysical properties of model membranes. <i>International Journal of Pharmaceutics</i> , 2006 , 318, 28-40	6.5	12

24	A bacterial monorhamnolipid alters the biophysical properties of phosphatidylethanolamine model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 2083-90	3.8	11
23	A fourier transform infrared spectroscopic study of the molecular interaction of ubiquinone-10 and ubiquinol-10 with bilayers of dipalmitoylphosphatidylcholine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986 , 861, 25-32	3.8	11
22	Effect of a dirhamnolipid biosurfactant on the structure and phase behaviour of dimyristoylphosphatidylserine model membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110576	6	11
21	Kinetic and Structural Aspects of the Permeabilization of Biological and Model Membranes by Lichenysin. <i>Langmuir</i> , 2016 , 32, 78-87	4	10
20	Influence of alpha-tocopherol incorporation on Ca(2+)-induced fusion of phosphatidylserine vesicles. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 333, 394-400	4.1	10
19	Optimization of Innovative Three-Dimensionally-Structured Hybrid Vesicles to Improve the Cutaneous Delivery of Clotrimazole for the Treatment of Topical Candidiasis. <i>Pharmaceutics</i> , 2019 , 11,	6.4	9
18	Interactions of a bacterial trehalose lipid with phosphatidylglycerol membranes at low ionic strength. <i>Chemistry and Physics of Lipids</i> , 2014 , 181, 34-9	3.7	9
17	Influence of retinoids on phosphatidylethanolamine lipid polymorphism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992 , 1112, 226-34	3.8	9
16	A fluorescence and microcalorimetric study of the interaction between lasalocid A and phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986 , 860, 125-30	3.8	9
15	Effect of diacylglycerols on calcium-induced fusion of phosphatidylserine/phosphatidylcholine vesicles. <i>Biochemical Society Transactions</i> , 1989 , 17, 957-60	5.1	8
14	Modulation of polymorphic properties of dielaidoylphosphatidylethanolamine by the antineoplastic ether lipid 1-O-octadecyl-2-O-methyl-glycero-3-phosphocholine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1417, 202-10	3.8	7
13	Sublytic and lytic effects of the zwitterionic bile derivative 3-((3-deoxycholamidopropyl)dimethylammonio)-1-propanesulfonate on phosphatidylcholine liposomes. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 262, 585-91	4.1	5
12	Location and Dynamics of β Tocopherol in Membranes 1991 , 98-117		4
11	The chemical toxic benzo[a]pyrene perturbs the physical organization of phosphatidylcholine membranes. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 787-93	3.8	4
10	. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 787	3.8	3
9	Interaction of trialkyltin(IV) chlorides with sarcoplasmic reticulum calcium ATPase. <i>Applied Organometallic Chemistry</i> , 2012 , 26, 583-592	3.1	2
8	The interaction of coenzyme Q and vitamin E with multibilayer liposomes. <i>Advances in Experimental Medicine and Biology</i> , 1988 , 238, 127-39	3.6	2
7	Kinetic characterization of Ca ²⁺ -ATPase (SERCA1) inhibition by tri-n-butyltin(IV) chloride. A docking conformation proposal. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015 , 33, 1211-24	3.6	1

6	Chapter 5 Phase Behavior of Membranes Containing Bioactive Lipids. <i>Current Topics in Membranes</i> , 1997 , 44, 193-235	2.2	1
5	Location and Effects of an Antitumoral Catechin on the Structural Properties of Phosphatidylethanolamine Membranes. <i>Molecules</i> , 2016 , 21,	4.8	1
4	Effect of pH and temperature on the aggregation behaviour of dirhamnolipid biosurfactant. An experimental and molecular dynamics study. <i>Journal of Colloid and Interface Science</i> , 2021 , 597, 160-170	9.3	1
3	Dissimilar action of tamoxifen and 4-hydroxytamoxifen on phosphatidylcholine model membranes. <i>Biophysical Chemistry</i> , 2021 , 278, 106681	3.5	1
2	Interaction of a dirhamnolipid biosurfactant with sarcoplasmic reticulum calcium ATPase (SERCA1a). <i>Archives of Biochemistry and Biophysics</i> , 2021 , 699, 108764	4.1	
1	Interaction of Docetaxel with Phosphatidylcholine Membranes: A Combined Experimental and Computational Study.. <i>Journal of Membrane Biology</i> , 2022 , 1	2.3	