

# Francisco J Aranda

## List of Publications by Year in Descending Order

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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.

95  
papers

2,955  
citations

34  
h-index

50  
g-index

101  
ext. papers

3,170  
ext. citations

4.1  
avg, IF

4.66  
L-index

#	Paper	IF	Citations
95	Interaction of Docetaxel with Phosphatidylcholine Membranes: A Combined Experimental and Computational Study.. <i>Journal of Membrane Biology</i> , <b>2022</b> , 1	2.3	
94	Interaction of a dirhamnolipid biosurfactant with sarcoplasmic reticulum calcium ATPase (SERCA1a). <i>Archives of Biochemistry and Biophysics</i> , <b>2021</b> , 699, 108764	4.1	
93	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> , <b>2021</b> , 597, 160-170	9.3	1
92	Dissimilar action of tamoxifen and 4-hydroxytamoxifen on phosphatidylcholine model membranes. <i>Biophysical Chemistry</i> , <b>2021</b> , 278, 106681	3.5	1
91	Effect of a dirhamnolipid biosurfactant on the structure and phase behaviour of dimyristoylphosphatidylserine model membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 185, 110576	6	11
90	Optimization of Innovative Three-Dimensionally-Structured Hybrid Vesicles to Improve the Cutaneous Delivery of Clotrimazole for the Treatment of Topical Candidiasis. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	9
89	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> , <b>2018</b> , 14, 569-579	6	36
88	The vertical location of ßocopherol 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> , <b>2017</b> , 19, 6731-6742	3.6	20
87	Antimycotic activity of fengycin C biosurfactant and its interaction with phosphatidylcholine model membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 156, 114-122	6	34
86	Interaction of the Lipopeptide Biosurfactant Lichenysin with Phosphatidylcholine Model Membranes. <i>Langmuir</i> , <b>2017</b> , 33, 9997-10005	4	13
85	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> , <b>2017</b> , 629, 54-62	4.1	13
84	Kinetic and Structural Aspects of the Permeabilization of Biological and Model Membranes by Lichenysin. <i>Langmuir</i> , <b>2016</b> , 32, 78-87	4	10
83	Location and Effects of an Antitumoral Catechin on the Structural Properties of Phosphatidylethanolamine Membranes. <i>Molecules</i> , <b>2016</b> , 21,	4.8	1
82	Kinetic characterization of Ca <sup>2+</sup> -ATPase (SERCA1) inhibition by tri-n-butyltin(IV) chloride. A docking conformation proposal. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 1211-24	3.6	1
81	Interactions of a bacterial trehalose lipid with phosphatidylglycerol membranes at low ionic strength. <i>Chemistry and Physics of Lipids</i> , <b>2014</b> , 181, 34-9	3.7	9
80	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> , <b>2014</b> , 1838, 1215-24	3.8	15
79	Interaction of a trehalose lipid biosurfactant produced by Rhodococcus erythropolis 51T7 with a secretory phospholipase A2. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 408, 132-7	9.3	13

78	A bacterial monorhamnolipid alters the biophysical properties of phosphatidylethanolamine model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 2083-90	3.8	11
77	The production and physicochemical properties of a biosurfactant mixture obtained from <i>Sphingobacterium detergens</i> . <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 368-79	9.3	16
76	In vitro study of the cytotoxicity and antiproliferative effects of surfactants produced by <i>Sphingobacterium detergens</i> . <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 453, 433-40	6.5	24
75	Interaction of a <i>Rhodococcus</i> sp. trehalose lipid biosurfactant with model proteins: thermodynamic and structural changes. <i>Langmuir</i> , <b>2012</b> , 28, 1381-90	4	26
74	Interaction of trialkyltin(IV) chlorides with sarcoplasmic reticulum calcium ATPase. <i>Applied Organometallic Chemistry</i> , <b>2012</b> , 26, 583-592	3.1	2
73	<i>Sphingobacterium detergens</i> sp. nov., a surfactant-producing bacterium isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2012</b> , 62, 3036-3041	2.2	17
72	Effects of a bacterial trehalose lipid on phosphatidylglycerol membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2011</b> , 1808, 2067-72	3.8	12
71	New pH-sensitive liposomes containing phosphatidylethanolamine and a bacterial dirhamnolipid. <i>Chemistry and Physics of Lipids</i> , <b>2011</b> , 164, 16-23	3.7	48
70	Molecular aspects of the interaction between plants sterols and DPPC bilayers: an experimental and theoretical approach. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 358, 192-201	9.3	33
69	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> , <b>2011</b> , 361, 195-204	9.3	33
68	Interaction of dirhamnolipid biosurfactants with phospholipid membranes: a molecular level study. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 672, 42-53	3.6	18
67	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> , <b>2010</b> , 114, 9778-86	3.4	40
66	Hemolytic activity of a bacterial trehalose lipid biosurfactant produced by <i>Rhodococcus</i> sp.: evidence for a colloid-osmotic mechanism. <i>Langmuir</i> , <b>2010</b> , 26, 8567-72	4	46
65	Permeabilization of biological and artificial membranes by a bacterial dirhamnolipid produced by <i>Pseudomonas aeruginosa</i> . <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 341, 240-7	9.3	54
64	The physicochemical properties and chemical composition of trehalose lipids produced by <i>Rhodococcus erythropolis</i> 51T7. <i>Chemistry and Physics of Lipids</i> , <b>2009</b> , 158, 110-7	3.7	59
63	Interactions of a bacterial biosurfactant trehalose lipid with phosphatidylserine membranes. <i>Chemistry and Physics of Lipids</i> , <b>2009</b> , 158, 46-53	3.7	44
62	Interaction of a bacterial dirhamnolipid with phosphatidylcholine membranes: a biophysical study. <i>Chemistry and Physics of Lipids</i> , <b>2009</b> , 161, 51-5	3.7	25
61	Mechanism of membrane permeabilization by a bacterial trehalose lipid biosurfactant produced by <i>Rhodococcus</i> sp. <i>Langmuir</i> , <b>2009</b> , 25, 7892-8	4	55

60	Edelfosine is incorporated into rafts and alters their organization. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11643-54	3.4	55
59	Interactions of a <i>Rhodococcus</i> sp. biosurfactant trehalose lipid with phosphatidylethanolamine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2008</b> , 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> , <b>2008</b> , 24, 6487-95	4	31
57	Redox state of coenzyme Q10 determines its membrane localization. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12696-702	3.4	22
56	Thermodynamics of the interaction of a dirhamnolipid biosurfactant secreted by <i>Pseudomonas aeruginosa</i> with phospholipid membranes. <i>Langmuir</i> , <b>2007</b> , 23, 2700-5	4	45
55	Aggregation behaviour of a dirhamnolipid biosurfactant secreted by <i>Pseudomonas aeruginosa</i> in aqueous media. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 307, 246-53	9.3	118
54	Root Plasma Membrane Lipid Changes in Relation to Water Transport in Pepper: a Response to NaCl and CaCl <sub>2</sub> Treatment <b>2007</b> , 50, 650-657		13
53	Domain formation by a <i>Rhodococcus</i> sp. biosurfactant trehalose lipid incorporated into phosphatidylcholine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 2596-604	3.8	24
52	Rosemary ( <i>Rosmarinus officinalis</i> ) diterpenes affect lipid polymorphism and fluidity in phospholipid membranes. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 453, 224-36	4.1	59
51	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> , <b>2006</b> , 142, 118-27	3.7	61
50	Effects of the anti-neoplastic agent ET-18-OCH <sub>3</sub> and some analogs on the biophysical properties of model membranes. <i>International Journal of Pharmaceutics</i> , <b>2006</b> , 318, 28-40	6.5	12
49	Effects of dirhamnolipid on the structural properties of phosphatidylcholine membranes. <i>International Journal of Pharmaceutics</i> , <b>2006</b> , 325, 99-107	6.5	67
48	Further aspects on the hemolytic activity of the antibiotic lipopeptide iturin A. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1713, 51-6	3.8	100
47	Effect of triorganotin compounds on membrane permeability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1720, 137-42	3.8	37
46	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> , <b>2005</b> , 88, 3368-80	2.9	92
45	Influence of organotin compounds on phosphatidylserine membranes. <i>Applied Organometallic Chemistry</i> , <b>2004</b> , 18, 111-116	3.1	13
44	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> , <b>2003</b> , 1618, 51-8	3.8	15
43	Molecular mechanism of membrane permeabilization by the peptide antibiotic surfactin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2003</b> , 1611, 91-7	3.8	228

42	The chemical toxic benzo[a]pyrene perturbs the physical organization of phosphatidylcholine membranes. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 787-793	3.8	18
41	Organotin compounds promote the formation of non-lamellar phases in phosphatidylethanolamine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2002</b> , 1558, 70-81	3.8	24
40	. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 787	3.8	3
39	The chemical toxic benzo[a]pyrene perturbs the physical organization of phosphatidylcholine membranes. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 787-93	3.8	4
38	Membrantropic effects of the antibacterial agent Triclosan. <i>Archives of Biochemistry and Biophysics</i> , <b>2001</b> , 390, 128-36	4.1	147
37	Organotin compounds alter the physical organization of phosphatidylcholine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2001</b> , 1510, 330-41	3.8	34
36	Effects of (+)-totarol, a diterpenoid antibacterial agent, on phospholipid model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2001</b> , 1511, 281-90	3.8	36
35	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> , <b>2001</b> , 40, 3196-207	3.2	46
34	The interaction of coenzyme Q with phosphatidylethanolamine membranes. <i>FEBS Journal</i> , <b>1999</b> , 259, 739-46		27
33	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> , <b>1999</b> , 1417, 202-10	3.8	7
32	The influence of vitamin K1 on the structure and phase behaviour of model membrane systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1999</b> , 1418, 206-20	3.8	15
31	Influence of the physical state of the membrane on the enzymatic activity and energy of activation of protein kinase C alpha. <i>Biochemistry</i> , <b>1999</b> , 38, 7747-54	3.2	23
30	The phase behavior of aqueous dispersions of unsaturated mixtures of diacylglycerols and phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1998</b> , 1373, 209-19	3.8	34
29	Chapter 5 Phase Behavior of Membranes Containing Bioactive Lipids. <i>Current Topics in Membranes</i> , <b>1997</b> , 44, 193-235	2.2	1
28	The interaction of abietic acid with phospholipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1997</b> , 1327, 171-80	3.8	46
27	Influence of alpha-tocopherol incorporation on Ca(2+)-induced fusion of phosphatidylserine vesicles. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 333, 394-400	4.1	10
26	Interaction between alpha-tocopherol and heteroacid phosphatidylcholines with different amounts of unsaturation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1996</b> , 1279, 251-8	3.8	48
25	The interaction of alpha-tocopherol with phosphatidylserine vesicles and calcium. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1996</b> , 1281, 23-30	3.8	22

24	Capsaicin affects the structure and phase organization of phospholipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1995</b> , 1234, 225-34	3.8	54
23	The dissimilar effect of diacylglycerols on Ca(2+)-induced phosphatidylserine vesicle fusion. <i>Biophysical Journal</i> , <b>1995</b> , 68, 558-66	2.9	19
22	Fluorescence study of a derivatized diacylglycerol incorporated in model membranes. <i>Chemistry and Physics of Lipids</i> , <b>1994</b> , 69, 75-85	3.7	28
21	Role of phosphatidylserine and diacylglycerol in the fusion of chromaffin granules with target membranes. <i>Archives of Biochemistry and Biophysics</i> , <b>1994</b> , 314, 205-16	4.1	15
20	Interaction of retinol and retinoic acid with phospholipid membranes. A differential scanning calorimetry study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1992</b> , 1106, 282-90	3.8	19
19	Influence of retinoids on phosphatidylethanolamine lipid polymorphism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1992</b> , 1112, 226-34	3.8	9
18	1,2-Dioleoylglycerol promotes calcium-induced fusion in phospholipid vesicles. <i>Chemistry and Physics of Lipids</i> , <b>1992</b> , 62, 215-24	3.7	27
17	Location and Dynamics of $\alpha$ -Tocopherol in Membranes <b>1991</b> , 98-117		4
16	Influence of vitamin E on phosphatidylethanolamine lipid polymorphism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1990</b> , 1022, 194-202	3.8	41
15	Localization of alpha-tocopherol in membranes. <i>Annals of the New York Academy of Sciences</i> , <b>1989</b> , 570, 109-20	6.5	51
14	Fluorescence study of the location and dynamics of $\alpha$ -Tocopherol in phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1989</b> , 985, 26-32	3.8	45
13	Effect of diacylglycerols on calcium-induced fusion of phosphatidylserine/phosphatidylcholine vesicles. <i>Biochemical Society Transactions</i> , <b>1989</b> , 17, 957-60	5.1	8
12	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> , <b>1988</b> , 262, 585-91	4.1	5
11	Interrelationships between tyrocidine and gramicidin A in their interaction with phospholipids in model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1988</b> , 937, 195-203	3.8	14
10	The interaction of coenzyme Q and vitamin E with multibilayer liposomes. <i>Advances in Experimental Medicine and Biology</i> , <b>1988</b> , 238, 127-39	3.6	2
9	A differential scanning calorimetry study of the interaction of alpha-tocopherol with mixtures of phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1987</b> , 898, 214-22	3.8	56
8	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> , <b>1987</b> , 901, 217-28	3.8	27
7	Calorimetric and infrared spectroscopic studies of the interaction of alpha-tocopherol and alpha-tocopheryl acetate with phospholipid vesicles. <i>FEBS Journal</i> , <b>1986</b> , 158, 141-7		78

6	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> , <b>1986</b> , 861, 25-32	3.8	18
5	A fluorescence and microcalorimetric study of the interaction between lasalocid A and phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1986</b> , 860, 125-30	3.8	9
4	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> , <b>1986</b> , 861, 25-32	3.8	11
3	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> , <b>1985</b> , 820, 19-26	3.8	36
2	Influence of membrane fluidity on transport mediated by ubiquinones through phospholipid vesicles. <i>Archives of Biochemistry and Biophysics</i> , <b>1982</b> , 218, 525-30	4.1	14
1	On the interaction of ubiquinones with phospholipid bilayers. <i>FEBS Letters</i> , <b>1981</b> , 132, 19-22	3.8	43