

Jos Antonio Teruel-Puche

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88

papers

1,972

citations

26

h-index

41

g-index

94

ext. papers

2,171

ext. citations

4.6

avg, IF

4.47

L-index

#	Paper	IF	Citations
88	Molecular mechanism of membrane permeabilization by the peptide antibiotic surfactin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1611, 91-7	3.8	228
87	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
86	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
85	Effects of dirhamnolipid on the structural properties of phosphatidylcholine membranes. <i>International Journal of Pharmaceutics</i> , 2006 , 325, 99-107	6.5	67
84	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
83	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
82	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
81	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
80	New pH-sensitive liposomes containing phosphatidylethanolamine and a bacterial dirhamnolipid. <i>Chemistry and Physics of Lipids</i> , 2011 , 164, 16-23	3.7	48
79	Physicochemical characterization of a monorhamnolipid secreted by <i>Pseudomonas aeruginosa</i> MA01 in aqueous media. An experimental and molecular dynamics study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 101, 256-65	6	46
78	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
77	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
76	Interactions of a bacterial biosurfactant trehalose lipid with phosphatidylserine membranes. <i>Chemistry and Physics of Lipids</i> , 2009 , 158, 46-53	3.7	44
75	Action of tyrosinase on alpha and beta-arbutin: A kinetic study. <i>PLoS ONE</i> , 2017 , 12, e0177330	3.7	40
74	Effect of triorganotin compounds on membrane permeability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1720, 137-42	3.8	37
73	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
72	Organotin compounds alter the physical organization of phosphatidylcholine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001 , 1510, 330-41	3.8	34

71	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
70	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
69	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
68	Distances between the functional sites of sarcoplasmic reticulum (Ca ²⁺ + Mg ²⁺)-ATPase and the lipid/water interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986 , 863, 178-84	3.8	33
67	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
66	New evidence about the relationship between water channel activity and calcium in salinity-stressed pepper plants. <i>Plant and Cell Physiology</i> , 2006 , 47, 224-33	4.9	30
65	Roles of phosphorylation and nucleotide binding domains in calcium transport by sarcoplasmic reticulum adenosinetriphosphatase. <i>Biochemistry</i> , 1988 , 27, 5885-90	3.2	29
64	Extensive proteolytic digestion of the (Ca ²⁺ + Mg ²⁺)-ATPase from sarcoplasmic reticulum leads to a highly hydrophobic proteinaceous residue with a mainly alpha-helical structure. <i>Biochemistry</i> , 1994 , 33, 8247-54	3.2	27
63	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
62	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
61	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
60	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
59	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
58	Characterization of ruthenium red-binding sites of the Ca(2+)-ATPase from sarcoplasmic reticulum and their interaction with Ca(2+)-binding sites. <i>Biochemical Journal</i> , 1992 , 287 (Pt 3), 767-74	3.8	24
57	Catalysis and inhibition of tyrosinase in the presence of cinnamic acid and some of its derivatives. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 548-554	7.9	23
56	The response of broccoli plants to high temperature and possible role of root aquaporins. <i>Environmental and Experimental Botany</i> , 2010 , 68, 83-90	5.9	19
55	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
54	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

53	Intramolecular distances within the Ca(2+)-ATPase from sarcoplasmic reticulum as estimated through fluorescence energy transfer between probes. <i>FEBS Journal</i> , 1993 , 217, 737-44		18
52	<i>Sphingobacterium detergens</i> 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
51	Further insight into the pH effect on the catalysis of mushroom tyrosinase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016 , 125, 6-15		16
50	Plasma membrane aquaporins mediates vesicle stability in broccoli. <i>PLoS ONE</i> , 2018 , 13, e0192422	3.7	16
49	The production and physicochemical properties of a biosurfactant mixture obtained from <i>Sphingobacterium detergens</i> . <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 368-79	9.3	16
48	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
47	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
46	Kinetic characterization of an enzymatic irreversible inhibition measured in the presence of coupling enzymes. The inhibition of adenosine triphosphatase from sarcoplasmic reticulum by fluorescein isothiocyanate. <i>BBA - Proteins and Proteomics</i> , 1987 , 911, 256-60		14
45	Characterization of the action of tyrosinase on resorcinols. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 4434-4443	3.4	14
44	Interaction of a trehalose lipid biosurfactant produced by <i>Rhodococcus erythropolis</i> 51T7 with a secretory phospholipase A2. <i>Journal of Colloid and Interface Science</i> , 2013 , 408, 132-7	9.3	13
43	Interaction of the Lipopeptide Biosurfactant Lichensysin with Phosphatidylcholine Model Membranes. <i>Langmuir</i> , 2017 , 33, 9997-10005	4	13
42	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
41	Influence of organotin compounds on phosphatidylserine membranes. <i>Applied Organometallic Chemistry</i> , 2004 , 18, 111-116	3.1	13
40	Anticancer Agent Edelfosine Exhibits a High Affinity for Cholesterol and Disorganizes Liquid-Ordered Membrane Structures. <i>Langmuir</i> , 2018 , 34, 8333-8346	4	12
39	Effects of a bacterial trehalose lipid on phosphatidylglycerol membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 2067-72	3.8	12
38	4-n-butylresorcinol, a depigmenting agent used in cosmetics, reacts with tyrosinase. <i>IUBMB Life</i> , 2016 , 68, 663-72	4.7	12
37	Spectrophotometric Characterization of the Action of Tyrosinase on p-Coumaric and Caffeic Acids: Characteristics of o-Caffeoquinone. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 3378-3386	5.7	11
36	Characterization of the steady-state calcium fluxes in skeletal sarcoplasmic reticulum vesicles. Role of the Ca ²⁺ pump. <i>FEBS Journal</i> , 1990 , 192, 347-54		11

35	A kinetic study of the irreversible inhibition of an enzyme measured in the presence of coupled enzymes. Fluorescein isothiocyanate as inhibitor of the adenosinetriphosphatase activity from sarcoplasmic reticulum. <i>BBA - Proteins and Proteomics</i> , 1986 , 869, 8-15		11
34	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
33	Action of 2,2',4,4'-tetrahydroxybenzophenone in the biosynthesis pathway of melanin. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 622-629	7.9	10
32	Kinetic and Structural Aspects of the Permeabilization of Biological and Model Membranes by Lichenysin. <i>Langmuir</i> , 2016 , 32, 78-87	4	10
31	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
30	On the effect of lysophosphatidylcholine, platelet activating factor and other surfactants on calcium permeability in sarcoplasmic reticulum vesicles. <i>Chemistry and Physics of Lipids</i> , 1991 , 59, 1-7	3.7	8
29	Location of N-cyclohexyl-N'-[4-(dimethyl-amino-alpha-naphthyl)carbodiimide]- binding site in sarcoplasmic reticulum Ca ²⁺ -transporting ATPase. <i>FEBS Journal</i> , 1998 , 253, 339-44		7
28	Study of the inhibition of 3-/4-aminoacetophenones on tyrosinase. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 120, 1-13	1.6	6
27	Interaction of Vitamin K and Vitamin K with Dimyristoylphosphatidylcholine and Their Location in the Membrane. <i>Langmuir</i> , 2020 , 36, 1062-1073	4	6
26	Action of tyrosinase on caffeic acid and its n-nonyl ester. Catalysis and suicide inactivation. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 2650-2659	7.9	6
25	Structural and kinetic considerations on the catalysis of deoxyarbutin by tyrosinase. <i>PLoS ONE</i> , 2017 , 12, e0187845	3.7	5
24	Structural aspects of the Ca(2+)-ATPase from sarcoplasmic reticulum. <i>Biochemical Society Transactions</i> , 1994 , 22, 826-9	5.1	4
23	Effect of protease digestion on the secondary structure of sarcoplasmic reticulum Ca ²⁺ -ATPase as seen by FT-i.r. spectroscopy. <i>International Journal of Biochemistry & Cell Biology</i> , 1990 , 22, 779-83		4
22	Considerations about the kinetic mechanism of tyrosinase in its action on monophenols: A review. <i>Molecular Catalysis</i> , 2022 , 518, 112072	3.3	4
21	A comparison of the location in membranes of curcumin and curcumin-derived bivalent compounds with potential neuroprotective capacity for Alzheimer's disease. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 199, 111525	6	4
20	Interaction of trialkyltin(IV) chlorides with sarcoplasmic reticulum calcium ATPase. <i>Applied Organometallic Chemistry</i> , 2012 , 26, 583-592	3.1	2
19	Labeling the Ca ²⁺ -ATPase of skeletal muscle sarcoplasmic reticulum with maleimidylsalicylic acid. <i>Journal of Biological Chemistry</i> , 2000 , 275, 39103-9	5.4	2
18	Chemical modification of Ca(2+)-ATPase from sarcoplasmic reticulum with phenylglyoxal. <i>Biochemical Society Transactions</i> , 1994 , 22, 381S	5.1	2

17	A kinetic study of an unstable enzyme measured through coupling reactions. Application to the self-inactivation of detergent-solubilized Ca(2+)-ATPase from sarcoplasmic reticulum. <i>BBA - Proteins and Proteomics</i> , 1993 , 1203, 45-52		2
16	Modulation of the kinetic characteristics of the sarcoplasmic reticulum ATPase by membrane fluidity. <i>Journal of Bioenergetics and Biomembranes</i> , 1986 , 18, 113-22	3.7	2
15	Mechanistic origin of the kinetic cooperativity for the ATPase activity of sarcoplasmic reticulum. <i>Journal of Bioenergetics and Biomembranes</i> , 1987 , 19, 383-96	3.7	2
14	Structural studies of mitochondrial coupling factor 1 using tyrosine fluorescence. <i>International Journal of Biochemistry & Cell Biology</i> , 1985 , 17, 223-8		2
13	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
12	Characterization of phenylmaleimide inhibition of the Ca(2+)-ATPase from skeletal-muscle sarcoplasmic reticulum. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 372, 121-7	4.1	1
11	Involvement of an arginyl residue in the nucleotide-binding site of Ca(2+)-ATPase from sarcoplasmic reticulum as seen by reaction with phenylglyoxal. <i>Biochemical Journal</i> , 1996 , 318 (Pt 1), 179-85	3.8	1
10	A fluorescence quenching study of tryptophan residues of calcium ATPase from sarcoplasmic reticulum. <i>Biochemical Society Transactions</i> , 1985 , 13, 244-245	5.1	1
9	Location and Effects of an Antitumoral Catechin on the Structural Properties of Phosphatidylethanolamine Membranes. <i>Molecules</i> , 2016 , 21,	4.8	1
8	Diethylstilbestrol Modifies the Structure of Model Membranes and Is Localized Close to the First Carbons of the Fatty Acyl Chains. <i>Biomolecules</i> , 2021 , 11,	5.9	1
7	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
6	Dissimilar action of tamoxifen and 4-hydroxytamoxifen on phosphatidylcholine model membranes. <i>Biophysical Chemistry</i> , 2021 , 278, 106681	3.5	1
5	Enzymatic oxidation of oleuropein and 3-hydroxytyrosol by laccase, peroxidase, and tyrosinase. <i>Journal of Food Biochemistry</i> , 2021 , 45, e13803	3.3	0
4	The Relationship between the IC50 Values and the Apparent Inhibition Constant in the Study of Inhibitors of Tyrosinase Diphenolase Activity Helps Confirm the Mechanism of Inhibition. <i>Molecules</i> , 2022 , 27, 3141	4.8	0
3	Structural properties of sarcoplasmic reticulum Ca ²⁺ -ATPase as studied by intrinsic protein fluorescence. <i>International Journal of Biochemistry & Cell Biology</i> , 1987 , 19, 873-8		
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	