

# Jos Antonio Teruel-Puche

## 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.

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	Considerations about the kinetic mechanism of tyrosinase in its action on monophenols: A review. <i>Molecular Catalysis</i> , <b>2022</b> , 518, 112072	3.3	4
87	Interaction of Docetaxel with Phosphatidylcholine Membranes: A Combined Experimental and Computational Study.. <i>Journal of Membrane Biology</i> , <b>2022</b> , 1	2.3	
86	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> , <b>2022</b> , 27, 3141	4.8	0
85	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	
84	Enzymatic oxidation of oleuropein and 3-hydroxytyrosol by laccase, peroxidase, and tyrosinase. <i>Journal of Food Biochemistry</i> , <b>2021</b> , 45, e13803	3.3	0
83	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> , <b>2021</b> , 199, 111525	6	4
82	Diethylstilbestrol Modifies the Structure of Model Membranes and Is Localized Close to the First Carbons of the Fatty Acyl Chains. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
81	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
80	Dissimilar action of tamoxifen and 4-hydroxytamoxifen on phosphatidylcholine model membranes. <i>Biophysical Chemistry</i> , <b>2021</b> , 278, 106681	3.5	1
79	Interaction of Vitamin K and Vitamin K with Dimyristoylphosphatidylcholine and Their Location in the Membrane. <i>Langmuir</i> , <b>2020</b> , 36, 1062-1073	4	6
78	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
77	Catalysis and inhibition of tyrosinase in the presence of cinnamic acid and some of its derivatives. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 548-554	7.9	23
76	Plasma membrane aquaporins mediates vesicle stability in broccoli. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192422	3.7	16
75	Anticancer Agent Edelfosine Exhibits a High Affinity for Cholesterol and Disorganizes Liquid-Ordered Membrane Structures. <i>Langmuir</i> , <b>2018</b> , 34, 8333-8346	4	12
74	Action of tyrosinase on caffeic acid and its n-nonyl ester. Catalysis and suicide inactivation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 2650-2659	7.9	6
73	Action of 2,2',4,4'-tetrahydroxybenzophenone in the biosynthesis pathway of melanin. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 622-629	7.9	10
72	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

71	Study of the inhibition of 3-/4-aminoacetophenones on tyrosinase. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2017</b> , 120, 1-13	1.6	6
70	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> , <b>2017</b> , 65, 3378-3386	5.7	11
69	Action of tyrosinase on alpha and beta-arbutin: A kinetic study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177330	3.7	40
68	Interaction of the Lipopeptide Biosurfactant Lichenysin with Phosphatidylcholine Model Membranes. <i>Langmuir</i> , <b>2017</b> , 33, 9997-10005	4	13
67	Structural and kinetic considerations on the catalysis of deoxyarbutin by tyrosinase. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187845	3.7	5
66	Further insight into the pH effect on the catalysis of mushroom tyrosinase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2016</b> , 125, 6-15		16
65	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
64	Location and Effects of an Antitumoral Catechin on the Structural Properties of Phosphatidylethanolamine Membranes. <i>Molecules</i> , <b>2016</b> , 21,	4.8	1
63	Characterization of the action of tyrosinase on resorcinols. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 4434-4443	3.4	14
62	4-n-butylresorcinol, a depigmenting agent used in cosmetics, reacts with tyrosinase. <i>IUBMB Life</i> , <b>2016</b> , 68, 663-72	4.7	12
61	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
60	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
59	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
58	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> , <b>2013</b> , 408, 132-7	9.3	13
57	The production and physicochemical properties of a biosurfactant mixture obtained from <i>Sphingobacterium</i> detergens. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 368-79	9.3	16
56	In vitro study of the cytotoxicity and antiproliferative effects of surfactants produced by <i>Sphingobacterium</i> detergens. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 453, 433-40	6.5	24
55	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> , <b>2013</b> , 101, 256-65	6	46
54	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

53	Interaction of trialkyltin(IV) chlorides with sarcoplasmic reticulum calcium ATPase. <i>Applied Organometallic Chemistry</i> , <b>2012</b> , 26, 583-592	3.1	2
52	<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
51	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
50	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
49	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
48	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
47	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
46	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
45	The response of broccoli plants to high temperature and possible role of root aquaporins. <i>Environmental and Experimental Botany</i> , <b>2010</b> , 68, 83-90	5.9	19
44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	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

35	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
34	Domain formation by a Rhodococcus sp. biosurfactant trehalose lipid incorporated into phosphatidylcholine membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 2596-604	3.8	24
33	New evidence about the relationship between water channel activity and calcium in salinity-stressed pepper plants. <i>Plant and Cell Physiology</i> , <b>2006</b> , 47, 224-33	4.9	30
32	Modulation of the physical properties of dielaidoylphosphatidylethanolamine membranes by a dirhamnolipid biosurfactant produced by Pseudomonas aeruginosa. <i>Chemistry and Physics of Lipids</i> , <b>2006</b> , 142, 118-27	3.7	61
31	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
30	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
29	Effect of triorganotin compounds on membrane permeability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1720, 137-42	3.8	37
28	Influence of organotin compounds on phosphatidylserine membranes. <i>Applied Organometallic Chemistry</i> , <b>2004</b> , 18, 111-116	3.1	13
27	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
26	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
25	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
24	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
23	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
22	Labeling the Ca <sup>2+</sup> -ATPase of skeletal muscle sarcoplasmic reticulum with maleimidylsalicylic acid. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 39103-9	5.4	2
21	Characterization of phenylmaleimide inhibition of the Ca(2+)-ATPase from skeletal-muscle sarcoplasmic reticulum. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 372, 121-7	4.1	1
20	Location of N-cyclohexyl-N'-(4-dimethyl-amino-alpha-naphthyl)carbodiimide- binding site in sarcoplasmic reticulum Ca <sup>2+</sup> -transporting ATPase. <i>FEBS Journal</i> , <b>1998</b> , 253, 339-44		7
19	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> , <b>1996</b> , 318 ( Pt 1), 179-85	3.8	1
18	Extensive proteolytic digestion of the (Ca <sup>2+</sup> + Mg <sup>2+</sup> )-ATPase from sarcoplasmic reticulum leads to a highly hydrophobic proteinaceous residue with a mainly alpha-helical structure. <i>Biochemistry</i> , <b>1994</b> , 33, 8247-54	3.2	27

17	Structural aspects of the Ca(2+)-ATPase from sarcoplasmic reticulum. <i>Biochemical Society Transactions</i> , <b>1994</b> , 22, 826-9	5.1	4
16	Chemical modification of Ca(2+)-ATPase from sarcoplasmic reticulum with phenylglyoxal. <i>Biochemical Society Transactions</i> , <b>1994</b> , 22, 3815	5.1	2
15	Intramolecular distances within the Ca(2+)-ATPase from sarcoplasmic reticulum as estimated through fluorescence energy transfer between probes. <i>FEBS Journal</i> , <b>1993</b> , 217, 737-44		18
14	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> , <b>1993</b> , 1203, 45-52		2
13	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> , <b>1992</b> , 287 ( Pt 3), 767-74	3.8	24
12	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> , <b>1991</b> , 59, 1-7	3.7	8
11	Characterization of the steady-state calcium fluxes in skeletal sarcoplasmic reticulum vesicles. Role of the Ca <sup>2+</sup> pump. <i>FEBS Journal</i> , <b>1990</b> , 192, 347-54		11
10	Effect of protease digestion on the secondary structure of sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase as seen by FT-i.r. spectroscopy. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1990</b> , 22, 779-83		4
9	Roles of phosphorylation and nucleotide binding domains in calcium transport by sarcoplasmic reticulum adenosinetriphosphatase. <i>Biochemistry</i> , <b>1988</b> , 27, 5885-90	3.2	29
8	Mechanistic origin of the kinetic cooperativity for the ATPase activity of sarcoplasmic reticulum. <i>Journal of Bioenergetics and Biomembranes</i> , <b>1987</b> , 19, 383-96	3.7	2
7	Structural properties of sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase as studied by intrinsic protein fluorescence. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1987</b> , 19, 873-8		
6	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> , <b>1987</b> , 911, 256-60		14
5	Modulation of the kinetic characteristics of the sarcoplasmic reticulum ATPase by membrane fluidity. <i>Journal of Bioenergetics and Biomembranes</i> , <b>1986</b> , 18, 113-22	3.7	2
4	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> , <b>1986</b> , 869, 8-15		11
3	Distances between the functional sites of sarcoplasmic reticulum (Ca <sup>2+</sup> + Mg <sup>2+</sup> )-ATPase and the lipid/water interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1986</b> , 863, 178-84	3.8	33
2	A fluorescence quenching study of tryptophan residues of calcium ATPase from sarcoplasmic reticulum. <i>Biochemical Society Transactions</i> , <b>1985</b> , 13, 244-245	5.1	1
1	Structural studies of mitochondrial coupling factor 1 using tyrosine fluorescence. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1985</b> , 17, 223-8		2