

# Juan Carmelo Gomez-Fernandez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4948442/publications.pdf>

Version: 2024-02-01

212  
papers

6,687  
citations

50244

46  
h-index

88593

70  
g-index

214  
all docs

214  
docs citations

214  
times ranked

4854  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ca <sup>2+</sup> bridges the C2 membrane-binding domain of protein kinase C $\delta$ directly to phosphatidylserine. EMBO Journal, 1999, 18, 6329-6338.	3.5	323
2	Intrinsic protein-lipid interactions. Journal of Molecular Biology, 1982, 157, 597-618.	2.0	268
3	Intrinsic protein-lipid interactions. FEBS Letters, 1979, 98, 211-223.	1.3	215
4	Signaling through C2 domains: More than one lipid target. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1536-1547.	1.4	189
5	Protein kinase C regulatory domains: The art of decoding many different signals in membranes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 633-654.	1.2	108
6	Specificity of nucleotide binding and coupled reactions utilising the mitochondrial ATPase. Biochimica Et Biophysica Acta - Bioenergetics, 1978, 504, 364-383.	0.5	107
7	C2 Domains of Protein Kinase C Isoforms C $\delta$ , C $\epsilon$ , and C $\zeta$ : Activation Parameters and Calcium Stoichiometries of the Membrane-Bound State. Biochemistry, 2002, 41, 11411-11424.	1.2	102
8	Structural and mechanistic insights into the association of PKC $\delta$ -C2 domain to PtdIns(4,5)P <sub>2</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6603-6607.	3.3	99
9	Protein-lipid interaction. Biochimica Et Biophysica Acta - Biomembranes, 1980, 598, 502-516.	1.4	98
10	Structure of the C2 domain from novel protein kinase C $\mu$ . A membrane binding model for Ca <sup>2+</sup> -independent C2 domains. Journal of Molecular Biology, 2001, 311, 837-849.	2.0	97
11	A New Phosphatidylinositol 4,5-Bisphosphate-binding Site Located in the C2 Domain of Protein Kinase C $\delta$ . Journal of Biological Chemistry, 2003, 278, 4972-4980.	1.6	92
12	Influence of liposome charge and composition on their interaction with human blood serum proteins. Molecular and Cellular Biochemistry, 1993, 120, 119-126.	1.4	91
13	C2 Domain of Protein Kinase C $\delta$ : Elucidation of the Membrane Docking Surface by Site-Directed Fluorescence and Spin Labeling. Biochemistry, 2003, 42, 1254-1265.	1.2	91
14	A study on the interactions of surfactin with phospholipid vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1418, 307-319.	1.4	90
15	Calorimetric and infrared spectroscopic studies of the interaction of alpha-tocopherol and alpha-tocopheryl acetate with phospholipid vesicles. FEBS Journal, 1986, 158, 141-147.	0.2	88
16	A thermodynamic analysis of the interaction between the mitochondrial coupling adenosine triphosphatase and its naturally occurring inhibitor protein. Biochemical Journal, 1978, 176, 967-975.	1.7	86
17	Structure of the Alzheimer beta-amyloid peptide (25-35) and its interaction with negatively charged phospholipid vesicles. FEBS Journal, 1999, 265, 744-753.	0.2	84
18	The Simultaneous Production of Phosphatidic Acid and Diacylglycerol Is Essential for the Translocation of Protein Kinase C $\mu$ to the Plasma Membrane in RBL-2H3 Cells. Molecular Biology of the Cell, 2003, 14, 4885-4895.	0.9	81

#	ARTICLE	IF	CITATIONS
19	Interaction of diacylglycerols with phosphatidylcholine vesicles as studied by differential scanning calorimetry and fluorescence probe depolarization. <i>Biochemistry</i> , 1988, 27, 9030-9036.	1.2	79
20	Apparent pKa of the fatty acids within ordered mixtures of model human stratum corneum lipids. <i>Pharmaceutical Research</i> , 1995, 12, 1614-1617.	1.7	76
21	Retinoic Acid Binds to the C2-Domain of Protein Kinase C $\epsilon$ . <i>Biochemistry</i> , 2003, 42, 8774-8779.	1.2	76
22	The Cancer Chemopreventive Agent Resveratrol Is Incorporated into Model Membranes and Inhibits Protein Kinase C $\delta$ Activity. <i>Archives of Biochemistry and Biophysics</i> , 1999, 372, 382-388.	1.4	74
23	Additional Binding Sites for Anionic Phospholipids and Calcium Ions in the Crystal Structures of Complexes of the C2 Domain of Protein Kinase C $\delta$ . <i>Journal of Molecular Biology</i> , 2002, 320, 277-291.	2.0	74
24	Diacylglycerols, multivalent membrane modulators. <i>Chemistry and Physics of Lipids</i> , 2007, 148, 1-25.	1.5	72
25	Edelfosine Is Incorporated into Rafts and Alters Their Organization. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11643-11654.	1.2	70
26	Stability of Liposomes on Long Term Storage. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 42, 397-400.	1.2	69
27	Infrared spectroscopic study of the interaction of diacylglycerol with phosphatidylserine in the presence of calcium. <i>Lipids and Lipid Metabolism</i> , 1993, 1169, 264-272.	2.6	67
28	Capsaicin affects the structure and phase organization of phospholipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1234, 225-234.	1.4	67
29	A differential scanning calorimetry study of the interaction of free fatty acids with phospholipid membranes. <i>Chemistry and Physics of Lipids</i> , 1987, 45, 75-91.	1.5	64
30	Structural insights into the Ca <sup>2+</sup> and PI(4,5)P <sub>2</sub> binding modes of the C2 domains of rabphilin 3A and synaptotagmin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20503-20508.	3.3	64
31	Protein-lipid interactions. <i>FEBS Letters</i> , 1979, 98, 224-228.	1.3	63
32	Localization of $\alpha$ -Tocopherol in Membranes. <i>Annals of the New York Academy of Sciences</i> , 1989, 570, 109-120.	1.8	61
33	A differential scanning calorimetry study of the interaction of $\alpha$ -tocopherol with mixtures of phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 898, 214-222.	1.4	60
34	The phase behavior of mixed aqueous dispersions of dipalmitoyl derivatives of phosphatidylcholine and diacylglycerol. <i>Biophysical Journal</i> , 1994, 66, 1991-2004.	0.2	60
35	Characterization of the Membrane Binding Mode of the C2 Domain of PKC $\mu$ . <i>Biochemistry</i> , 2003, 42, 11661-11668.	1.2	60
36	Role of the Ca <sup>2+</sup> /Phosphatidylserine Binding Region of the C2 Domain in the Translocation of Protein Kinase C $\delta$ to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2003, 278, 10282-10290.	1.6	60

#	ARTICLE	IF	CITATIONS
37	Identification of the Phosphatidylserine Binding Site in the C2 Domain that Is Important for PKC $\zeta$ Activation and in Vivo Cell Localization. <i>Biochemistry</i> , 2001, 40, 13898-13905.	1.2	59
38	The use of FT-IR for quantitative studies of the apparent pKa of lipid carboxyl groups and the dehydration degree of the phosphate group of phospholipids. <i>Chemistry and Physics of Lipids</i> , 1998, 96, 41-52.	1.5	58
39	Determination of the calcium-binding sites of the C2 domain of protein kinase C $\zeta$ that are critical for its translocation to the plasma membrane. <i>Biochemical Journal</i> , 1999, 337, 513-521.	1.7	58
40	The C2 Domain of PKC $\zeta$ Is a Ca <sup>2+</sup> -dependent PtdIns(4,5)P <sub>2</sub> Sensing Domain: A New Insight into an Old Pathway. <i>Journal of Molecular Biology</i> , 2006, 362, 901-914.	2.0	57
41	The C2 Domains of Classical PKCs are Specific PtdIns(4,5)P <sub>2</sub> -sensing Domains with Different Affinities for Membrane Binding. <i>Journal of Molecular Biology</i> , 2007, 371, 608-621.	2.0	51
42	Fluorescence study of the location and dynamics of $\alpha$ -tocopherol in phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 985, 26-32.	1.4	50
43	Interaction between $\alpha$ -tocopherol and heteroacid phosphatidylcholines with different amounts of unsaturation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1279, 251-258.	1.4	50
44	Kinetic studies on the interaction of phosphatidylcholine liposomes with Triton X-100. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 902, 237-246.	1.4	48
45	Protein rotational diffusion and lipid structure of reconstituted systems of Ca <sup>2+</sup> -activated adenosine triphosphatase. <i>Journal of Molecular Biology</i> , 1980, 141, 119-132.	2.0	47
46	On the interaction of ubiquinones with phospholipid bilayers. <i>FEBS Letters</i> , 1981, 132, 19-22.	1.3	46
47	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.	1.7	46
48	Triton X-100 solubilization of mitochondrial inner and outer membranes. <i>Journal of Bioenergetics and Biomembranes</i> , 1980, 12, 47-70.	1.0	45
49	Curcumin Disorders 1,2-Dipalmitoyl- <i>sn</i> -glycero-3-phosphocholine Membranes and Favors the Formation of Nonlamellar Structures by 1,2-Dielaidoyl- <i>sn</i> -glycero-3-phosphoethanolamine. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9778-9786.	1.2	45
50	Influence of vitamin E on phosphatidylethanolamine lipid polymorphism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1022, 194-202.	1.4	44
51	Fourier transform infrared spectroscopic studies on the secondary structure of the Ca <sup>2+</sup> -ATPase of sarcoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 978, 305-312.	1.4	43
52	The ATP-dependent Membrane Localization of Protein Kinase C $\zeta$ Is Regulated by Ca <sup>2+</sup> Influx and Phosphatidylinositol 4,5-Bisphosphate in Differentiated PC12 Cells. <i>Molecular Biology of the Cell</i> , 2005, 16, 2848-2861.	0.9	43
53	A Biophysical Study of the Interaction of the Lipopeptide Antibiotic Iturin A with Aqueous Phospholipid Bilayers. <i>Archives of Biochemistry and Biophysics</i> , 2000, 377, 315-323.	1.4	41
54	Calorimetric Study of the Interaction of the C2 Domains of Classical Protein Kinase C Isoenzymes with Ca <sup>2+</sup> and Phospholipids. <i>Biochemistry</i> , 2004, 43, 11727-11739.	1.2	41

#	ARTICLE	IF	CITATIONS
55	Intra-articular therapy of experimental arthritis with a derivative of triamcinolone acetonide incorporated in liposomes. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 45, 576-578.	1.2	41
56	Lamellar Gel (L <sup>2</sup> ) Phases of Ternary Lipid Composition Containing Ceramide and Cholesterol. <i>Biophysical Journal</i> , 2014, 106, 621-630.	0.2	41
57	Functions of the C-terminal domains of apoptosis-related proteins of the Bcl-2 family. <i>Chemistry and Physics of Lipids</i> , 2014, 183, 77-90.	1.5	40
58	Protein-lipid interactions and differential scanning calorimetric studies of bacteriorhodopsin reconstituted lipid-water systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982, 689, 283-289.	1.4	39
59	The phase behavior of aqueous dispersions of unsaturated mixtures of diacylglycerols and phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1373, 209-219.	1.4	39
60	Effect of Calcium and Phosphatidic Acid Binding on the C2 Domain of PKC $\zeta$ As Studied by Fourier Transform Infrared Spectroscopy. <i>Biochemistry</i> , 1999, 38, 9667-9675.	1.2	39
61	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.	1.4	38
62	Role of the Lysine-rich Cluster of the C2 Domain in the Phosphatidylserine-dependent Activation of PKC $\zeta$ . <i>Journal of Molecular Biology</i> , 2004, 335, 1117-1129.	2.0	38
63	Structural characterization of the Rabphilin-3A-SNAP25 interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5343-E5351.	3.3	37
64	Interaction of sphingosine and stearylamine with phosphatidylserine as studied by DSC and NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1153, 1-8.	1.4	36
65	Conformation of the C-Terminal Domain of the Pro-Apoptotic Protein Bax and Mutants and Its Interaction with Membranes. <i>Biochemistry</i> , 2001, 40, 9983-9992.	1.2	36
66	The interaction of intrinsic proteins and lipids in biomembranes. <i>Trends in Biochemical Sciences</i> , 1982, 7, 67-70.	3.7	35
67	Molecular interactions between sphingomyelin and phosphatidylcholine in phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 941, 55-62.	1.4	35
68	Correlation between Protein Kinase C $\zeta$ Activity and Membrane Phase Behavior. <i>Biophysical Journal</i> , 1999, 76, 916-927.	0.2	35
69	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> , 1986, 863, 178-184.	1.4	34
70	The PtdIns(4,5)P <sub>2</sub> Ligand Itself Influences the Localization of PKC $\zeta$ in the Plasma Membrane of Intact Living Cells. <i>Journal of Molecular Biology</i> , 2008, 377, 1038-1052.	2.0	34
71	Structural Study of the C2 Domains of the Classical PKC Isoenzymes Using Infrared Spectroscopy and Two-Dimensional Infrared Correlation Spectroscopy. <i>Biochemistry</i> , 2003, 42, 11669-11681.	1.2	33
72	Molecular Mechanisms of PKC $\zeta$ localization and Activation by Arachidonic Acid. The C2 Domain also Plays a Role. <i>Journal of Molecular Biology</i> , 2006, 357, 1105-1120.	2.0	33

#	ARTICLE	IF	CITATIONS
73	Î±-Tocopherol Interacts with Natural Micelle-Forming Single-Chain Phospholipids Stabilizing the Bilayer Phase. Archives of Biochemistry and Biophysics, 1993, 306, 368-376.	1.4	32
74	Difference infrared spectroscopy of aqueous model and biological membranes using an infrared data station. Journal of Proteomics, 1980, 2, 315-323.	2.4	30
75	1,2-Dioleoylglycerol promotes calcium-induced fusion in phospholipid vesicles. Chemistry and Physics of Lipids, 1992, 62, 215-224.	1.5	30
76	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. Biochemistry, 1994, 33, 8247-8254.	1.2	30
77	Protein-lipid interactions. A nuclear magnetic resonance study of sarcoplasmic reticulum (calcium(2+), magnesium(2+) ion)-activated ATPase, lipophilin, and proteolipid apoprotein-lecithin systems and a comparison with the effects of cholesterol. Biochemistry, 1979, 18, 5892-5902.	1.2	28
78	Fluorescence study of a derivatized diacylglycerol incorporated in model membranes. Chemistry and Physics of Lipids, 1994, 69, 75-85.	1.5	28
79	The interaction of Î±-tocopherol with phosphatidylserine vesicles and calcium. Biochimica Et Biophysica Acta - Biomembranes, 1996, 1281, 23-30.	1.4	28
80	The interaction of coenzyme Q with phosphatidylethanolamine membranes. FEBS Journal, 2001, 259, 739-746.	0.2	28
81	A Comparison of the Membrane Binding Properties of C1B Domains of PKCÎ³, PKCÎ´, and PKCÉ. Biophysical Journal, 2009, 96, 3638-3647.	0.2	28
82	Redox State of Coenzyme Q <sub>10</sub> Determines Its Membrane Localization. Journal of Physical Chemistry B, 2008, 112, 12696-12702.	1.2	27
83	Characterization of ruthenium red-binding sites of the Ca <sup>2+</sup> -ATPase from sarcoplasmic reticulum and their interaction with Ca <sup>2+</sup> -binding sites. Biochemical Journal, 1992, 287, 767-774.	1.7	25
84	Diffusivity and structural polymorphism in some model stratum corneum lipid systems. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1150, 182-188.	1.4	25
85	The C2 domain of protein kinase CÎ± is directly involved in the diacylglycerol-dependent binding of the C1 domain to the membrane. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1487, 246-254.	1.2	25
86	The C2 domains of classical and novel PKCs as versatile decoders of membrane signals. BioFactors, 2010, 36, 1-7.	2.6	25
87	A kinetic study of the interaction of vanadate with the Ca <sup>2+</sup> + Mg <sup>2+</sup> -dependent ATPase from sarcoplasmic reticulum. Biochemical Journal, 1984, 221, 213-222.	1.7	24
88	A Fourier transform infrared spectroscopic study of the molecular interaction of ubiquinone-10 and ubiquinol-10 with bilayers of dipalmitoylphosphatidylcholine. Biochimica Et Biophysica Acta - Biomembranes, 1986, 861, 25-32.	1.4	24
89	Influence of the Physical State of the Membrane on the Enzymatic Activity and Energy of Activation of Protein Kinase C Î±. Biochemistry, 1999, 38, 7747-7754.	1.2	24
90	Determination of the calcium-binding sites of the C2 domain of protein kinase CÎ± that are critical for its translocation to the plasma membrane. Biochemical Journal, 1999, 337, 513.	1.7	23

#	ARTICLE	IF	CITATIONS
91	An Infrared Spectroscopic Study of the Secondary Structure of Protein Kinase C $\alpha$ and Its Thermal Denaturation. <i>Biochemistry</i> , 2004, 43, 2332-2344.	1.2	23
92	Effect of sphingosine and stearylamine on the interaction of phosphatidylserine with calcium. A study using DSC, FT-IR and 45Ca <sup>2+</sup> -binding. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1236, 279-288.	1.4	22
93	The dissimilar effect of diacylglycerols on Ca <sup>2+</sup> -induced phosphatidylserine vesicle fusion. <i>Biophysical Journal</i> , 1995, 68, 558-566.	0.2	22
94	Aggregational behavior of aqueous dispersions of the antifungal lipopeptide iturin A. <i>Peptides</i> , 2001, 22, 1-5.	1.2	22
95	The Structure of the C-Terminal Domain of the Pro-Apoptotic Protein Bak and Its Interaction with Model Membranes. <i>Biophysical Journal</i> , 2002, 82, 233-243.	0.2	22
96	The vertical location of $\alpha$ -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.	1.3	22
97	Diacylglycerol, phosphatidylserine and Ca <sup>2+</sup> : a phase behavior study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1190, 264-272.	1.4	21
98	Structural characterization of the C2 domain of novel protein kinase C $\mu$ . <i>FEBS Journal</i> , 2001, 268, 1107-1117.	0.2	21
99	Membrane Permeabilization Induced by Sphingosine: Effect of Negatively Charged Lipids. <i>Biophysical Journal</i> , 2014, 106, 2577-2584.	0.2	21
100	Interaction of retinol and retinoic acid with phospholipid membranes. A differential scanning calorimetry study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1106, 282-290.	1.4	20
101	A phase behavior study of mixtures of sphingosine with zwitterionic phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1194, 281-288.	1.4	20
102	A comparative study of the activation of protein kinase C $\alpha$ by different diacylglycerol isomers. <i>Biochemical Journal</i> , 1999, 337, 387.	1.7	20
103	Study of the Secondary Structure of the C-Terminal Domain of the Antiapoptotic Protein Bcl-2 and Its Interaction with Model Membranes. <i>Biochemistry</i> , 2000, 39, 7744-7752.	1.2	20
104	The C2 domains of classical/conventional PKCs are specific PtdIns(4,5)P <sub>2</sub> -sensing domains. <i>Biochemical Society Transactions</i> , 2007, 35, 1046-1048.	1.6	20
105	Capsaicin Fluidifies the Membrane and Localizes Itself near the Lipid-Water Interface. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1741-1750.	1.7	20
106	Membrane docking of the C2 domain from protein kinase C $\alpha$ as seen by polarized ATR-IR. The role of PIP <sub>2</sub> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 684-695.	1.4	19
107	Intramolecular distances within the Ca <sup>2+</sup> -ATPase from sarcoplasmic reticulum as estimated through fluorescence energy transfer between probes. <i>FEBS Journal</i> , 1993, 217, 737-744.	0.2	18
108	A Triacyltrehalose Containing 2-Methyl-Branched Unsaturated Fatty Acyl Groups Isolated from <i>Mycobacterium Fortuitum</i> . <i>Journal of General Microbiology</i> , 1993, 139, 585-590.	2.3	18



#	ARTICLE	IF	CITATIONS
109	Diacylglycerols as activators of protein kinase C (Review). <i>Molecular Membrane Biology</i> , 2004, 21, 339-349.	2.0	18
110	The interaction of the Bax C-terminal domain with negatively charged lipids modifies the secondary structure and changes its way of insertion into membranes. <i>Journal of Structural Biology</i> , 2008, 164, 146-152.	1.3	18
111	Anticancer Agent Edelfosine Exhibits a High Affinity for Cholesterol and Disorganizes Liquid-Ordered Membrane Structures. <i>Langmuir</i> , 2018, 34, 8333-8346.	1.6	18
112	Calcium-induced aggregation of phosphatidylcholine vesicles containing free oleic acid. <i>Chemistry and Physics of Lipids</i> , 1988, 46, 259-266.	1.5	17
113	Effects of platelet-activating factor and related lipids on dielaidoylphosphatidylethanolamine by DSC, FTIR and NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1145, 284-292.	1.4	17
114	Influence of oleic acid on the structure of a mixture of hydrated model stratum corneum fatty acids and their soaps. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1994, 90, 225-234.	2.3	17
115	Retinoic Acid as a Modulator of the Activity of Protein Kinase C $\alpha$ . <i>Biochemistry</i> , 2005, 44, 11353-11360.	1.2	17
116	Role of Phosphatidylserine and Diacylglycerol in the Fusion of Chromaffin Granules with Target Membranes. <i>Archives of Biochemistry and Biophysics</i> , 1994, 314, 205-216.	1.4	16
117	Interaction of the C-terminal domain of Bcl-2 family proteins with model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2931-2939.	1.4	16
118	Classical protein kinases C are regulated by concerted interaction with lipids: the importance of phosphatidylinositol-4,5-bisphosphate. <i>Biophysical Reviews</i> , 2014, 6, 3-14.	1.5	16
119	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, 263.	2.0	16
120	Biophysical studies of the Pf1 coat protein in the filamentous phage, in detergent micelles, and in a membrane environment. <i>Biochemistry</i> , 1993, 32, 10720-10726.	1.2	15
121	The increase in positively charged residues in cecropin D-like <i>Galleria mellonella</i> favors its interaction with membrane models that imitate bacterial membranes. <i>Archives of Biochemistry and Biophysics</i> , 2017, 629, 54-62.	1.4	15
122	Influence of membrane fluidity on transport mediated by ubiquinones through phospholipid vesicles. <i>Archives of Biochemistry and Biophysics</i> , 1982, 218, 525-530.	1.4	14
123	The interaction of vitamin K1 with phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 863, 185-192.	1.4	14
124	Phenolic Group of $\alpha$ -Tocopherol Anchors at the Lipid-Water Interface of Fully Saturated Membranes. <i>Langmuir</i> , 2018, 34, 3336-3348.	1.6	14
125	Insights into the Impact of a Membrane-Anchoring Moiety on the Biological Activities of Bivalent Compounds As Potential Neuroprotectants for Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 777-790.	2.9	14
126	Metastability of dimiristoylphosphatidylethanolamine as studied by FT-IR and the effect of $\alpha$ -tocopherol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1239, 213-225.	1.4	13



#	ARTICLE	IF	CITATIONS
127	Modulation of the Membrane Orientation and Secondary Structure of the C-Terminal Domains of Bak and Bcl-2 by Lipids. <i>Biochemistry</i> , 2005, 44, 10796-10809.	1.2	13
128	Interaction of the C2 Domain from Protein Kinase C $\mu$ with Model Membranes. <i>Biochemistry</i> , 2007, 46, 3183-3192.	1.2	13
129	Characterization of the steady-state calcium fluxes in skeletal sarcoplasmic reticulum vesicles. Role of the Ca <sup>2+</sup> pump. <i>FEBS Journal</i> , 1990, 192, 347-354.	0.2	12
130	Influence of $\alpha$ -Tocopherol Incorporation on Ca <sup>2+</sup> -Induced Fusion of Phosphatidylserine Vesicles. <i>Archives of Biochemistry and Biophysics</i> , 1996, 333, 394-400.	1.4	12
131	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> , 2006, 318, 28-40.	2.6	12
132	Phosphatidylinositol 4,5-Bisphosphate Decreases the Concentration of Ca <sup>2+</sup> , Phosphatidylserine and Diacylglycerol Required for Protein Kinase C $\delta$ to Reach Maximum Activity. <i>PLoS ONE</i> , 2013, 8, e69041.	1.1	12
133	Both idebenone and idebenol are localized near the lipid-water interface of the membrane and increase its fluidity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1071-1081.	1.4	12
134	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.	2.5	12
135	Mitochondrial ATPase inactivation by interaction with its substrate. <i>Archives of Biochemistry and Biophysics</i> , 1982, 215, 40-46.	1.4	11
136	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.	2.1	11
137	Fourier transform infrared spectroscopic study of mixtures of palmitic acid with dipalmitoylphosphatidylcholine using isotopic substitution. <i>Chemistry and Physics of Lipids</i> , 1992, 62, 19-29.	1.5	11
138	The Ca <sup>2+</sup> release channel in junctional sarcoplasmic reticulum: Gating and blockade by cations. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1992, 24, 903-909.	0.8	11
139	Correlation between the effect of the anti-neoplastic ether lipid 1-O-octadecyl-2-O-methyl-glycero-3-phosphocholine on the membrane and the activity of protein kinase C $\delta$ . <i>FEBS Journal</i> , 2001, 268, 6369-6378.	0.2	11
140	ATP Enhances Neuronal Differentiation of PC12 Cells by Activating PKC $\delta$ Interactions with Cytoskeletal Proteins. <i>Journal of Proteome Research</i> , 2011, 10, 529-540.	1.8	11
141	Curcumin modulates PKC $\delta$ activity by a membrane-dependent effect. <i>Archives of Biochemistry and Biophysics</i> , 2011, 513, 36-41.	1.4	11
142	The membrane binding kinetics of full-length PKC $\delta$ is determined by membrane lipid composition. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 1434-1442.	1.2	11
143	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.	1.4	11
144	Oleuropein multicompartiment nanovesicles enriched with collagen as a natural strategy for the treatment of skin wounds connected with oxidative stress. <i>Nanomedicine</i> , 2021, 16, 2363-2376.	1.7	11

#	ARTICLE	IF	CITATIONS
145	A kinetic study of the interaction between mitochondrial F1 adenosine triphosphatase and adenylyl imidodiphosphate and guanylyl imidodiphosphate. <i>Biochemical Journal</i> , 1983, 210, 727-735.	1.7	10
146	A fluorescence and microcalorimetric study of the interaction between lasalocid A and phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 860, 125-130.	1.4	10
147	Influence of retinoids on phosphatidylethanolamine lipid polymorphism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1112, 226-234.	1.4	10
148	Structural study of the catalytic domain of PKCzeta using infrared spectroscopy and two-dimensional infrared correlation spectroscopy. <i>FEBS Journal</i> , 2006, 273, 3273-3286.	2.2	10
149	The interaction of the Bax C-terminal domain with membranes is influenced by the presence of negatively charged phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1924-1932.	1.4	10
150	An ultrasensitive electrometric system to measure membrane-bound acetylcholinesterase activity. <i>Analytical Biochemistry</i> , 1983, 133, 302-306.	1.1	9
151	Drug Action of Ritodrine on the Sarcoplasmic-Reticulum Ca <sup>2+</sup> -ATPase from Skeletal Muscle. <i>Archives of Biochemistry and Biophysics</i> , 1995, 318, 97-104.	1.4	9
152	Activation of Protein Kinase C $\beta$ by Lipid Mixtures Containing Different Proportions of Diacylglycerols. <i>Biochemistry</i> , 2001, 40, 15038-15046.	1.2	9
153	Alcohol dehydrogenase from the hyperthermophilic archaeon <i>Pyrobaculum aerophilum</i> : Stability at high temperature. <i>Archives of Biochemistry and Biophysics</i> , 2012, 525, 40-46.	1.4	9
154	Liposome-Encapsulated Morphine Affords a Prolonged Analgesia While Facilitating Extinction of Reward and Aversive Memories. <i>Frontiers in Pharmacology</i> , 2019, 10, 1082.	1.6	9
155	Effect of diacylglycerols on calcium-induced fusion of phosphatidylserine/phosphatidylcholine vesicles. <i>Biochemical Society Transactions</i> , 1989, 17, 957-960.	1.6	8
156	Factors contributing to the distribution of free fatty acids among phospholipid vesicles. <i>Chemistry and Physics of Lipids</i> , 1990, 55, 245-251.	1.5	8
157	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.	1.5	8
158	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, 202-210.	1.4	8
159	Limited carbodiimide derivatization modifies some functional properties of the sarcoplasmic reticulum calcium release channel. <i>Biochemistry</i> , 1993, 32, 8553-8559.	1.2	7
160	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> , 1998, 253, 339-344.	0.2	7
161	Attenuated total reflectance infrared spectroscopy: A powerful method for the simultaneous study of structure and spatial orientation of lipids and membrane proteins. <i>Biomedical Spectroscopy and Imaging</i> , 2015, 4, 159-170.	1.2	7
162	Interaction of Vitamin K <sub>1</sub> and Vitamin K <sub>2</sub> with Dimyristoylphosphatidylcholine and Their Location in the Membrane. <i>Langmuir</i> , 2020, 36, 1062-1073.	1.6	7

#	ARTICLE	IF	CITATIONS
163	Effect of the calcium-channel blockers on calcium accumulation in sarcoplasmic reticulum of skeletal muscle. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 903, 473-479.	1.4	6
164	Study of soluble humic substances from newly prepared organic fertilizers. <i>Science of the Total Environment</i> , 1989, 81-82, 579-588.	3.9	6
165	A comparative study of the effect of the antineoplastic ether lipid 1-O-octadecyl-2-O-methyl-glycero-3-phosphocholine and some homologous compounds on PKC $\alpha$ and PKC $\epsilon$ . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1687, 110-119.	1.2	6
166	Structural information on probe solubilization in micelles by FTIR spectroscopy. <i>Journal of Colloid and Interface Science</i> , 1988, 124, 233-237.	5.0	5
167	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, 585-591.	1.4	5
168	The C1B domains of novel PKC $\mu$ and PKC $\delta$ have a higher membrane binding affinity than those of the also novel PKC $\zeta$ and PKC $\eta$ . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1898-1909.	1.4	5
169	Plan S for publishing science in an open access way: not everyone is likely to be happy. <i>Biophysical Reviews</i> , 2019, 11, 841-842.	1.5	5
170	The Interaction of Coenzyme Q and Vitamin E with Multibilayer Liposomes. <i>Advances in Experimental Medicine and Biology</i> , 1988, 238, 127-139.	0.8	5
171	Location and Dynamics of $\alpha$ -Tocopherol in Membranes. , 1991, , 98-117.		5
172	Phosphatidylinositol-4,5-Bisphosphate Enhances Anionic Lipid Demixing by the C2 Domain of PKC $\alpha$ . <i>PLoS ONE</i> , 2014, 9, e95973.	1.1	5
173	Effect of tetraphenylboron on the calcium-dependent ATPase activity of sarcoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 1988, 151, 1093-1098.	1.0	4
174	Quinacrine inhibits the calcium-induced calcium release in heavy sarcoplasmic reticulum vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 985, 279-285.	1.4	4
175	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> , 1990, 22, 779-783.	0.8	4
176	A kinetic study of an unstable enzyme measured through coupling reactions. Application to the self-inactivation of detergent-solubilized Ca <sup>2+</sup> -ATPase from sarcoplasmic reticulum. <i>BBA - Proteins and Proteomics</i> , 1993, 1203, 45-52.	2.1	4
177	Structural aspects of the Ca <sup>2+</sup> -ATPase from sarcoplasmic reticulum. <i>Biochemical Society Transactions</i> , 1994, 22, 826-829.	1.6	4
178	Acetylcholinesterase from sarcoplasmic reticulum of white muscle. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1982, 14, 667-672.	0.8	3
179	Mechanistic origin of the kinetic cooperativity for the ATPase activity of sarcoplasmic reticulum. <i>Journal of Bioenergetics and Biomembranes</i> , 1987, 19, 383-396.	1.0	3
180	Chemical modification of Ca <sup>2+</sup> -ATPase from sarcoplasmic reticulum with phenylglyoxal. <i>Biochemical Society Transactions</i> , 1994, 22, 381S-381S.	1.6	3

#	ARTICLE	IF	CITATIONS
181	Functional properties of a sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase with an altered Ca <sup>2+</sup> -binding mechanism. <i>Biochemical Journal</i> , 1995, 309, 499-505.	1.7	3
182	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, 220.	1.8	3
183	Structural studies of mitochondrial coupling factor 1 using tyrosine fluorescence. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1985, 17, 223-228.	0.8	2
184	Modulation of the kinetic characteristics of the sarcoplasmic reticulum ATPase by membrane fluidity. <i>Journal of Bioenergetics and Biomembranes</i> , 1986, 18, 113-122.	1.0	2
185	FT-IR study of the hydrogen bonding interaction between cholesterol and DPPC. <i>Biochemical Society Transactions</i> , 1992, 20, 122S-122S.	1.6	2
186	Interdependence of H <sup>+</sup> and K <sup>+</sup> fluxes during the Ca <sup>2+</sup> -pumping activity of sarcoplasmic reticulum vesicles. <i>Journal of Bioenergetics and Biomembranes</i> , 1994, 26, 127-136.	1.0	2
187	Chapter 5 Phase Behavior of Membranes Containing Bioactive Lipids. <i>Current Topics in Membranes</i> , 1997, 44, 193-235.	0.5	2
188	Labeling the Ca <sup>2+</sup> -ATPase of Skeletal Muscle Sarcoplasmic Reticulum with Maleimidylsalicylic Acid. <i>Journal of Biological Chemistry</i> , 2000, 275, 39103-39109.	1.6	2
189	Structural Characterization of the C2 Domains of Classical Isozymes of Protein Kinase C and Novel Protein Kinase C $\mu$ by using Infrared Spectroscopy. <i>Spectroscopy</i> , 2003, 17, 399-416.	0.8	2
190	Membrane Surface Anchoring of Charged Diacylglycerol Lactones Correlates with Biological Activities. <i>ChemBioChem</i> , 2010, 11, 2003-2009.	1.3	2
191	Membrane docking mode of the C2 domain of PKC $\mu$ : An infrared spectroscopy and FRET study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 552-560.	1.4	2
192	Correlation between fluorescence and structure in the orange-emitting GFP-like protein, monomeric Kusabira Orange. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 138, 223-229.	1.7	2
193	Greetings from IUPAB Secretary General. <i>Biophysical Reviews</i> , 2021, 13, 11-12.	1.5	2
194	The binding of different model membranes with PKC $\mu$ C2 domain is not dependent on membrane curvature but affects the sequence of events during unfolding. <i>Archives of Biochemistry and Biophysics</i> , 2021, 705, 108910.	1.4	2
195	PKC $\mu$ controls the fusion of secretory vesicles in mast cells in a phosphatidic acid-dependent mode. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 377-389.	3.6	2
196	Clotrimazole Fluidizes Phospholipid Membranes and Localizes at the Hydrophobic Part near the Polar Part of the Membrane. <i>Biomolecules</i> , 2021, 11, 1304.	1.8	2
197	Modification of beef heart F1-ATPase by 1-dimethylaminonaphthalene-5-sulphonyl chloride. <i>Biochemical Society Transactions</i> , 1982, 10, 537-538.	1.6	1
198	A fluorescence quenching study of tryptophan residues of calcium ATPase from sarcoplasmic reticulum. <i>Biochemical Society Transactions</i> , 1985, 13, 244-245.	1.6	1

#	ARTICLE	IF	CITATIONS
199	Characterization of the tetraphenylboron-induced calcium release from skeletal sarcoplasmic reticulum. <i>FEBS Journal</i> , 1989, 181, 513-518.	0.2	1
200	Involvement of an arginyl residue in the nucleotide-binding site of Ca <sup>2+</sup> -ATPase from sarcoplasmic reticulum as seen by reaction with phenylglyoxal. <i>Biochemical Journal</i> , 1996, 318, 179-185.	1.7	1
201	Characterization of Phenylmaleimide Inhibition of the Ca <sup>2+</sup> -ATPase from Skeletal-Muscle Sarcoplasmic Reticulum. <i>Archives of Biochemistry and Biophysics</i> , 1999, 372, 121-127.	1.4	1
202	Quartz crystal microbalance with dissipation monitoring and the real-time study of biological systems and macromolecules at interfaces. <i>Biomedical Spectroscopy and Imaging</i> , 2012, 1, 325-338.	1.2	1
203	The Interaction with Different Membranes of the C2 Domain of PKC-Epsilon. <i>Biophysical Journal</i> , 2020, 118, 243a.	0.2	1
204	Development of Poly(lactide-co-glicolide) Nanoparticles Incorporating Morphine Hydrochloride to Prolong its Circulation in Blood. <i>Current Pharmaceutical Design</i> , 2017, 23, 2015-2025.	0.9	1
205	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> , 1987, 19, 873-878.	0.8	0
206	Influence of dietary lipids on microsomal membranes from chick breast muscle. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1988, 90, 767-771.	0.2	0
207	Inside Cover: Membrane-Surface Anchoring of Charged Diacylglycerol-Lactones Correlates with Biological Activities (ChemBioChem 14/2010). <i>ChemBioChem</i> , 2010, 11, 1926-1926.	1.3	0
208	Protein kinases C are versatile decoders of lipid signals. <i>Chemistry and Physics of Lipids</i> , 2010, 163, S9-S10.	1.5	0
209	Activation of PKC $\zeta$ by docosahexaenoic acid in breast cancer cells. <i>Chemistry and Physics of Lipids</i> , 2010, 163, S46.	1.5	0
210	The Interaction of Curcumin with Phospholipid Model Membranes. a Study using Differential Scanning Calorimetry, NMR, X-Ray Diffraction and Infrared Spectroscopy. <i>Biophysical Journal</i> , 2010, 98, 478a.	0.2	0
211	The Interaction of C1B Domains from Novel PKCs with Lipids. <i>Biophysical Journal</i> , 2012, 102, 302a.	0.2	0
212	X-ray diffraction and NMR data for the study of the location of idebenone and idebenol in model membranes. <i>Data in Brief</i> , 2016, 7, 981-989.	0.5	0