Juan Carmelo Gomez-Fernandez

List of Publications by Year
in descending order

212 papers	6,687 citations	53660 45 h-index	88477 70 g-index
214 all docs	214 docs citations	214 times ranked	4854 citing authors

#	Article	IF	Citations
1	Ca2+ bridges the C2 membrane-binding domain of protein kinase CÎ± 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 Î±, Î², and Î³:â€‰ 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 PKCÎ±-C2 domain to PtdIns(4,5)P ₂. 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 CÏµ. A membrane binding model for Ca2+-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 CÎ±. 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 CÎ±:â€‰ 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 CÏµ to the Plasma Membrane in RBL-2H3 Cells. Molecular Biology of the Cell, 2003, 14, 4885-4895.	0.9	81

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19	Interaction of diacylglycerols with phosphatidylcholine vesicles as studied by differential scanning calorimetry and fluorescence probe depolarization. Biochemistry, 1988, 27, 9030-9036.	1.2	79
20	Apparent pKa of the fatty acids within ordered mixtures of model human stratum corneum lipids. Pharmaceutical Research, 1995, 12, 1614-1617.	1.7	76
21	Retinoic Acid Binds to the C2-Domain of Protein Kinase CÎ±â€. Biochemistry, 2003, 42, 8774-8779.	1.2	76
22	The Cancer Chemopreventive Agent Resveratrol Is Incorporated into Model Membranes and Inhibits Protein Kinase C Î± Activity. Archives of Biochemistry and Biophysics, 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 CÎ±. Journal of Molecular Biology, 2002, 320, 277-291.	2.0	74
24	Diacylglycerols, multivalent membrane modulators. Chemistry and Physics of Lipids, 2007, 148, 1-25.	1.5	72
25	Edelfosine Is Incorporated into Rafts and Alters Their Organization. Journal of Physical Chemistry B, 2008, 112, 11643-11654.	1.2	70
26	Stability of Liposomes on Long Term Storage. Journal of Pharmacy and Pharmacology, 2011, 42, 397-400.	1.2	69
27	Infrared spectroscopic study of the interaction of diacylglycerol with phosphatidylserine in the presence of calcium. Lipids and Lipid Metabolism, 1993, 1169, 264-272.	2.6	67
28	Capsaicin affects the structure and phase organization of phospholipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 1995, 1234, 225-234.	1.4	67
29	A differential scanning calorimetry study of the interaction of free fatty acids with phospholipid membranes. Chemistry and Physics of Lipids, 1987, 45, 75-91.	1.5	64
30	Structural insights into the Ca ²⁺ and PI(4,5)P ₂ binding modes of the C2 domains of rabphilin 3A and synaptotagmin 1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20503-20508.	3.3	64
31	Protein-lipid interactions. FEBS Letters, 1979, 98, 224-228.	1.3	63
32	Localization of ?-Tocopherol in Membranes. Annals of the New York Academy of Sciences, 1989, 570, 109-120.	1.8	61
33	A differential scanning calorimetry study of the interaction of Î±-tocopherol with mixtures of phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 1987, 898, 214-222.	1.4	60
34	The phase behavior of mixed aqueous dispersions of dipalmitoyl derivatives of phosphatidylcholine and diacylglycerol. Biophysical Journal, 1994, 66, 1991-2004.	0.2	60
35	Characterization of the Membrane Binding Mode of the C2 Domain of PKCÎµâ€. Biochemistry, 2003, 42, 11661-11668.	1.2	60
36	Role of the Ca2+/Phosphatidylserine Binding Region of the C2 Domain in the Translocation of Protein Kinase CÎ± to the Plasma Membrane. Journal of Biological Chemistry, 2003, 278, 10282-10290.	1.6	60

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37	Identification of the Phosphatidylserine Binding Site in the C2 Domain that Is Important for PKCÎ± Activation and in Vivo Cell Localization. Biochemistry, 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. Chemistry and Physics of Lipids, 1998, 96, 41-52.	1.5	58
39	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, 513-521.	1.7	58
40	The C2 Domain of PKCÎ± Is a Ca2+-dependent PtdIns(4,5)P2 Sensing Domain: A New Insight into an Old Pathway. Journal of Molecular Biology, 2006, 362, 901-914.	2.0	57
41	The C2 Domains of Classical PKCs are Specific PtdIns(4,5)P2-sensing Domains with Different Affinities for Membrane Binding. Journal of Molecular Biology, 2007, 371, 608-621.	2.0	51
42	Fluorescence study of the location and dynamics of Î±-tocopherol in phospholipid vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1989, 985, 26-32.	1.4	50
43	Interaction between Î±-tocopherol and heteroacid phosphatidylcholines with different amounts of unsaturation. Biochimica Et Biophysica Acta - Biomembranes, 1996, 1279, 251-258.	1.4	50
44	Kinetic studies on the interaction of phosphatidylcholine liposomes with Triton X-100. Biochimica Et Biophysica Acta - Biomembranes, 1987, 902, 237-246.	1.4	48
45	Protein rotational diffusion and lipid structure of reconstituted systems of Ca2+-activated adenosine triphosphatase. Journal of Molecular Biology, 1980, 141, 119-132.	2.0	47
46	On the interaction of ubiquinones with phospholipid bilayers. FEBS Letters, 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. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 569-579.	1.7	46
48	Triton X-100 solubilization of mitochondrial inner and outer membranes. Journal of Bioenergetics and Biomembranes, 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. Journal of Physical Chemistry B, 2010, 114, 9778-9786.	1.2	45
50	Influence of vitamin E on phosphatidylethanolamine lipid polymorphism. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1022, 194-202.	1.4	44
51	Fourier transform infrared spectroscopic studies on the secondary structure of the Ca2+-ATPase of sarcoplasmic reticulum. Biochimica Et Biophysica Acta - Biomembranes, 1989, 978, 305-312.	1.4	43
52	The ATP-dependent Membrane Localization of Protein Kinase CÎ± Is Regulated by Ca2+ Influx and Phosphatidylinositol 4,5-Bisphosphate in Differentiated PC12 Cells. Molecular Biology of the Cell, 2005, 16, 2848-2861.	0.9	43
53	A Biophysical Study of the Interaction of the Lipopeptide Antibiotic Iturin A with Aqueous Phospholipid Bilayers. Archives of Biochemistry and Biophysics, 2000, 377, 315-323.	1.4	41
54	Calorimetric Study of the Interaction of the C2 Domains of Classical Protein Kinase C Isoenzymes with Ca2+and Phospholipidsâ€. Biochemistry, 2004, 43, 11727-11739.	1.2	41

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55	Intra-articular therapy of experimental arthritis with a derivative of triamcinolone acetonide incorporated in liposomes. Journal of Pharmacy and Pharmacology, 2011, 45, 576-578.	1.2	41
56	Lamellar Gel (LÎ²) Phases of Ternary Lipid Composition Containing Ceramide and Cholesterol. Biophysical Journal, 2014, 106, 621-630.	0.2	41
57	Functions of the C-terminal domains of apoptosis-related proteins of the Bcl-2 family. Chemistry and Physics of Lipids, 2014, 183, 77-90.	1.5	40
58	Protein-lipid interactions and differential scanning calorimetric studies of bacteriorhodopsin reconstituted lipid-water systems. Biochimica Et Biophysica Acta - Biomembranes, 1982, 689, 283-289.	1.4	39
59	The phase behavior of aqueous dispersions of unsaturated mixtures of diacylglycerols and phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1373, 209-219.	1.4	39
60	Effect of Calcium and Phosphatidic Acid Binding on the C2 Domain of PKCÎ± As Studied by Fourier Transform Infrared Spectroscopyâ€. Biochemistry, 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. Biochimica Et Biophysica Acta - Biomembranes, 1985, 820, 19-26.	1.4	38
62	Role of the Lysine-rich Cluster of the C2 Domain in the Phosphatidylserine-dependent Activation of PKCÎ±. Journal of Molecular Biology, 2004, 335, 1117-1129.	2.0	38
63	Structural characterization of the Rabphilin-3Aâ€"SNAP25 interaction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5343-E5351.	3.3	37
64	Interaction of sphingosine and stearylamine with phosphatidylserine as studied by DSC and NMR. Biochimica Et Biophysica Acta - Biomembranes, 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 Membranesâ€. Biochemistry, 2001, 40, 9983-9992.	1.2	36
66	The interaction of intrinsic proteins and lipids in biomembranes. Trends in Biochemical Sciences, 1982, 7, 67-70.	3.7	35
67	Molecular interactions between sphingomyelin and phosphatidylcholine in phospholipid vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1988, 941, 55-62.	1.4	35
68	Correlation between Protein Kinase C Î± Activity and Membrane Phase Behavior. Biophysical Journal, 1999, 76, 916-927.	0.2	35
69	Distances between the functional sites of sarcoplasmic reticulum (Ca2+ + Mg2+)-ATPase and the lipid/water interface. Biochimica Et Biophysica Acta - Biomembranes, 1986, 863, 178-184.	1.4	34
70	The PtdIns(4,5)P2 Ligand Itself Influences the Localization of PKCÎ± in the Plasma Membrane of Intact Living Cells. Journal of Molecular Biology, 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 Spectroscopyâ€. Biochemistry, 2003, 42, 11669-11681.	1.2	33
72	Molecular Mechanisms of PKCÎ± localization and Activation by Arachidonic Acid. The C2 Domain also Plays a Role. Journal of Molecular Biology, 2006, 357, 1105-1120.	2.0	33

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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 (Ca2++Mg2+)-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 Q₁₀ 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 Ca2+-ATPase from sarcoplasmic reticulum and their interaction with Ca2+-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 Ca2+ + Mg2+-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±â€. 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

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91	An Infrared Spectroscopic Study of the Secondary Structure of Protein Kinase CÎ± and Its Thermal Denaturationâ€. Biochemistry, 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 45Ca2+-binding. Biochimica Et Biophysica Acta - Biomembranes, 1995, 1236, 279-288.	1.4	22
93	The dissimilar effect of diacylglycerols on Ca(2+)-induced phosphatidylserine vesicle fusion. Biophysical Journal, 1995, 68, 558-566.	0.2	22
94	Aggregational behavior of aqueous dispersions of the antifungal lipopeptide iturin A. Peptides, 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. Biophysical Journal, 2002, 82, 233-243.	0.2	22
96	The vertical location of Î±-tocopherol in phosphatidylcholine membranes is not altered as a function of the degree of unsaturation of the fatty acyl chains. Physical Chemistry Chemical Physics, 2017, 19, 6731-6742.	1.3	22
97	Diacylglycerol, phosphatidylserine and Ca2+: a phase behavior study. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1190, 264-272.	1.4	21
98	Structural characterization of the C2 domain of novel protein kinase CÎµ. FEBS Journal, 2001, 268, 1107-1117.	0.2	21
99	Membrane Permeabilization Induced by Sphingosine: Effect of Negatively Charged Lipids. Biophysical Journal, 2014, 106, 2577-2584.	0.2	21
100	Interaction of retinol and retinoic acid with phospholipid membranes. A differential scanning calorimetry study. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1106, 282-290.	1.4	20
101	A phase behavior study of mixtures of sphingosine with zwitterionic phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1194, 281-288.	1.4	20
102	A comparative study of the activation of protein kinase C Î± by different diacylglycerol isomers. Biochemical Journal, 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 Membranesâ€,â€¡. Biochemistry, 2000, 39, 7744-7752.	1.2	20
104	The C2 domains of classical/conventional PKCs are specific PtdIns(4,5)<i>P</i>2-sensing domains. Biochemical Society Transactions, 2007, 35, 1046-1048.	1.6	20
105	Capsaicin Fluidifies the Membrane and Localizes Itself near the Lipidâ€"Water Interface. ACS Chemical Neuroscience, 2015, 6, 1741-1750.	1.7	20
106	Membrane docking of the C2 domain from protein kinase CÎ± as seen by polarized ATR-IR. The role of PIP2. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 684-695.	1.4	19
107	Intramolecular distances within the Ca2+-ATPase from sarcoplasmic reticulum as estimated through fluorescence energy transfer between probes. FEBS Journal, 1993, 217, 737-744.	0.2	18
108	A Triacyltrehalose Containing 2-Methyl-Branched Unsaturated Fatty Acyl Groups Isolated from Mycobacterium Fortuitum. Journal of General Microbiology, 1993, 139, 585-590.	2.3	18

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109	Diacylglycerols as activators of protein kinase C (Review). Molecular Membrane Biology, 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. Journal of Structural Biology, 2008, 164, 146-152.	1.3	18
111	Anticancer Agent Edelfosine Exhibits a High Affinity for Cholesterol and Disorganizes Liquid-Ordered Membrane Structures. Langmuir, 2018, 34, 8333-8346.	1.6	18
112	Calcium-induced aggregation of phosphatidylcholine vesicles containing free oleic acid. Chemistry and Physics of Lipids, 1988, 46, 259-266.	1.5	17
113	Effects of platelet-activating factor and related lipids on dielaidoylphosphatidylethanolamine by DSC, FTIR and NMR. Biochimica Et Biophysica Acta - Biomembranes, 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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 90, 225-234.	2.3	17
115	Retinoic Acid as a Modulator of the Activity of Protein Kinase CÎ±. Biochemistry, 2005, 44, 11353-11360.	1.2	17
116	Role of Phosphatidylserine and Diacylglycerol in the Fusion of Chromaffin Granules with Target Membranes. Archives of Biochemistry and Biophysics, 1994, 314, 205-216.	1.4	16
117	Interaction of the C-terminal domain of Bcl-2 family proteins with model membranes. Biochimica Et Biophysica Acta - Biomembranes, 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. Biophysical Reviews, 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. Pharmaceutics, 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. Biochemistry, 1993, 32, 10720-10726.	1.2	15
121	The increase in positively charged residues in cecropin D-like Galleria mellonella favors its interaction with membrane models that imitate bacterial membranes. Archives of Biochemistry and Biophysics, 2017, 629, 54-62.	1.4	15
122	Influence of membrane fluidity on transport mediated by ubiquinones through phospholipid vesicles. Archives of Biochemistry and Biophysics, 1982, 218, 525-530.	1.4	14
123	The interaction of vitamin K1 with phospholipid vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1986, 863, 185-192.	1.4	14
124	Phenolic Group of Î±-Tocopherol Anchors at the Lipidâ€"Water Interface of Fully Saturated Membranes. Langmuir, 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 Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2018, 61, 777-790.	2.9	14
126	Metastability of dimiristoylphosphatidylethanolamine as studied by FT-IR and the effect of Î±-tocopherol. Biochimica Et Biophysica Acta - Biomembranes, 1995, 1239, 213-225.	1.4	13

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127	Modulation of the Membrane Orientation and Secondary Structure of the C-Terminal Domains of Bak and Bcl-2 by Lipidsâ€. Biochemistry, 2005, 44, 10796-10809.	1.2	13
128	Interaction of the C2 Domain from Protein Kinase CÎµ with Model Membranesâ€. Biochemistry, 2007, 46, 3183-3192.	1.2	13
129	Characterization of the steady-state calcium fluxes in skeletal sarcoplasmic reticulum vesicles. Role of the Ca2+ pump. FEBS Journal, 1990, 192, 347-354.	0.2	12
130	Influence of Î±-Tocopherol Incorporation on Ca2+-Induced Fusion of Phosphatidylserine Vesicles. Archives of Biochemistry and Biophysics, 1996, 333, 394-400.	1.4	12
131	Effects of the anti-neoplastic agent ET-18-OCH3 and some analogs on the biophysical properties of model membranes. International Journal of Pharmaceutics, 2006, 318, 28-40.	2.6	12
132	Phosphatidylinositol 4,5-Bisphosphate Decreases the Concentration of Ca2+, Phosphatidylserine and Diacylglycerol Required for Protein Kinase C Î± to Reach Maximum Activity. PLoS ONE, 2013, 8, e69041.	1.1	12
133	Both idebenone and idebenol are localized near the lipidâ€"water interface of the membrane and increase its fluidity. Biochimica Et Biophysica Acta - Biomembranes, 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 Alzheimerâ€™s disease. Colloids and Surfaces B: Biointerfaces, 2021, 199, 111525.	2.5	12
135	Mitochondrial ATPase inactivation by interaction with its substrate. Archives of Biochemistry and Biophysics, 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. BBA - Proteins and Proteomics, 1986, 869, 8-15.	2.1	11
137	Fourier transform infrared spectroscopic study of mixtures of palmitic acid with dipalmitoylphosphatidylcholine using isotopic substitution. Chemistry and Physics of Lipids, 1992, 62, 19-29.	1.5	11
138	The Ca2+ release channel in junctional sarcoplasmic reticulum: Gating and blockade by cations. International Journal of Biochemistry & Cell Biology, 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 CÎ±. FEBS Journal, 2001, 268, 6369-6378.	0.2	11
140	ATP Enhances Neuronal Differentiation of PC12 Cells by Activating PKCÎ± Interactions with Cytoskeletal Proteins. Journal of Proteome Research, 2011, 10, 529-540.	1.8	11
141	Curcumin modulates PKCÎ± activity by a membrane-dependent effect. Archives of Biochemistry and Biophysics, 2011, 513, 36-41.	1.4	11
142	The membrane binding kinetics of full-length PKCÎ± is determined by membrane lipid composition. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 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. Biochimica Et Biophysica Acta - Biomembranes, 1986, 861, 25-32.	1.4	11
144	Oleuropein multicompartment nanovesicles enriched with collagen as a natural strategy for the treatment of skin wounds connected with oxidative stress. Nanomedicine, 2021, 16, 2363-2376.	1.7	11

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145	A kinetic study of the interaction between mitochondrial F1 adenosine triphosphatase and adenylyl imidodiphosphate and guanylyl imidodiphosphate. Biochemical Journal, 1983, 210, 727-735.	1.7	10
146	A fluorescence and microcalorimetric study of the interaction between lasalocid A and phospholipid vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1986, 860, 125-130.	1.4	10
147	Influence of retinoids on phosphatidylethanolamine lipid polymorphism. Biochimica Et Biophysica Acta - Biomembranes, 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. FEBS Journal, 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. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1924-1932.	1.4	10
150	An ultrasensitive electrometric system to measure membrane-bound acetylcholinesterase activity. Analytical Biochemistry, 1983, 133, 302-306.	1.1	9
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