Gerardo Daniel Fidelio

List of Publications by Year
in descending order

84 papers	3,163 citations	159585 30 h-index	161849 54 g-index
86 all docs	86 docs citations	86 times ranked	3886 citing authors

#	Article	IF	Citations
1	Gangliosides smelt nanostructured amyloid AÎ²(1â€“40) fibrils in a membrane lipid environment. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183749.	2.6	1
2	Stitching together a nm thick peptide-based semiconductor sheet using UV light. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111734.	5.0	3
3	AÎ²-Amyloid Fibrils Are Self-Triggered by the Interfacial Lipid Environment and Low Peptide Content. Langmuir, 2020, 36, 8056-8065.	3.5	10
4	Secretory Phospholipases A2 in Plants. Frontiers in Plant Science, 2019, 10, 861.	3.6	12
5	Intravascular hemolysis induced by phospholipases A 2 from the venom of the Eastern coral snake, Micrurus fulvius : Functional profiles of hemolytic and non-hemolytic isoforms. Toxicology Letters, 2018, 286, 39-47.	0.8	19
6	Detecting phospholipase activity with the amphipathic lipid packing sensor motif of ArfGAP1. Biochemical and Biophysical Research Communications, 2018, 505, 290-294.	2.1	2
7	Differential Interaction of Antimicrobial Peptides with Lipid Structures Studied by Coarse-Grained Molecular Dynamics Simulations. Molecules, 2017, 22, 1775.	3.8	25
8	The rheological properties of beta amyloid Langmuir monolayers: Comparative studies with melittin peptide. Colloids and Surfaces B: Biointerfaces, 2016, 146, 180-187.	5.0	15
9	Reversing the peptide sequence impacts on molecular surface behaviour. Colloids and Surfaces B: Biointerfaces, 2016, 139, 25-32.	5.0	11
10	CNS myelin structural modification induced in vitro by phospholipases A2. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 123-129.	2.6	6
11	A constant area monolayer method to assess optimal lipid packing for lipolysis tested with several secreted phospholipase A2. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2216-2224.	2.6	5
12	Auxins action on Glycine max secretory phospholipase A2 is mediated by the interfacial properties imposed by the phytohormones. Chemistry and Physics of Lipids, 2015, 189, 1-6.	3.2	4
13	Kinetic characterization, optimum conditions for catalysis and substrate preference of secretory phospholipase A2 from Glycine max in model membrane systems. Biochimie, 2015, 108, 48-58.	2.6	9
14	Chymotrypsin â€" EudragitÂ® complex formation. Biotechnology and Bioprocess Engineering, 2013, 18, 538-545.	2.6	4
15	Lipid-like behavior of signal sequence peptides at airâ€“water interface. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 708-714.	2.6	12
16	Thyroid hormones-membrane interaction: Reversible association of hormones with organized phospholipids with changes in fluidity and dipole potential. Chemistry and Physics of Lipids, 2013, 175-176, 131-137.	3.2	10
17	Maintenance and thermal stabilization of NADH dehydrogenase-2 conformation upon elimination of its C-terminal region. Biochimie, 2013, 95, 382-387.	2.6	1
18	Toxic prefibrillar Î±-synuclein amyloid oligomers adopt a distinctive antiparallel Î²-sheet structure. Biochemical Journal, 2012, 443, 719-726.	3.7	215

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19	Thermodynamic and structural analysis of homodimeric proteins: Model of Î²-lactoglobulin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 383-391.	2.3	17
20	Cloning and functional expression of secreted phospholipases A2 from Bothrops diporus (YararÃ¡) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	13
21	In silico and inÂvitro characterization of phospholipase A2 isoforms from soybean (Glycine max). Biochimie, 2012, 94, 2608-2619.	2.6	15
22	Binding of the Highly Toxic Tetracycline Derivative, Anhydrotetracycline, to Bovine Serum Albumin. Biological and Pharmaceutical Bulletin, 2011, 34, 1301-1306.	1.4	18
23	Protein Oligomerization: Thermodynamic and Structural Analysis of the Dimerization of Beta-lactoglobulin. Biophysical Journal, 2010, 98, 28a-29a.	0.5	0
24	Thermodynamic Model for the Analysis of Calorimetric Data of Oligomeric Proteins. Journal of Physical Chemistry B, 2008, 112, 14325-14333.	2.6	13
25	Biophysical properties of a synthetic transit peptide from wheat chloroplast ribulose 1,5-bisphosphate carboxylase. Journal of Peptide Science, 2007, 13, 245-252.	1.4	5
26	Amyloid-Î² Peptide Disruption of Lipid Membranes and the Effect of Metal Ions. Journal of Molecular Biology, 2006, 356, 759-770.	4.2	160
27	Differential scanning calorimetry as a tool to estimate binding parameters in multiligand binding proteins. Analytical Biochemistry, 2006, 350, 277-284.	2.4	57
28	Interfacial properties of the M1 segment of the nicotinic acetylcholine receptor. Biophysical Chemistry, 2006, 121, 171-176.	2.8	9
29	Ligand-induced thermostability in proteins: Thermodynamic analysis of ANSâ€“albumin interaction. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1750, 122-133.	2.3	54
30	Protein Unfolding Coupled to Ligand Binding: Differential Scanning Calorimetry Simulation Approach. Journal of Chemical Education, 2005, 82, 85.	2.3	15
31	Surface Behavior and Lipid Interaction of Alzheimer Î²-Amyloid Peptide 1â€“42: A Membrane-Disrupting Peptide. Biophysical Journal, 2005, 88, 2706-2713.	0.5	172
32	Direct Visualization of Membrane Leakage Induced by the Antibiotic Peptides: Maculatin, Citropin, and Aurein. Biophysical Journal, 2005, 89, 1874-1881.	0.5	214
33	Surface behaviour and peptideâ€“lipid interactions of the antibiotic peptides, Maculatin and Citropin. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1664, 31-37.	2.6	90
34	Conformational flexibility of avidin: the influence of biotin binding. Biochemical and Biophysical Research Communications, 2004, 325, 922-927.	2.1	16
35	Superactivity and conformational changes on alpha-chymotrypsin upon interfacial binding to cationic micelles. Biochemical Journal, 2004, 378, 1059-1066.	3.7	79
36	Thyroid Hormones Affect the Membrane Dipolar Organization. Is It a General Event in Their Non-genomic Action?. Journal of Membrane Biology, 2003, 191, 209-213.	2.1	12

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37	Protein stability induced by ligand binding correlates with changes in protein flexibility. Protein Science, 2003, 12, 1496-1506.	7.6	198
38	Mixed lipid aggregates containing gangliosides impose different2H-NMR dynamical parameters on water environment depending on their lipid composition. Molecular Membrane Biology, 2003, 20, 319-327.	2.0	10
39	Coupling Reaction and Properties of Poly(ethylene glycol)-linked Phospholipases A2. Bioscience, Biotechnology and Biochemistry, 2002, 66, 722-729.	1.3	5
40	A simple method to obtain a covalent immobilized phospholipase A2. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1663-1664.	2.2	8
41	The participation of human serum albumin domains in chemical and thermal unfolding. The Protein Journal, 2001, 20, 81-89.	1.1	40
42	Cholesterol-induced alterations of the packing properties of gangliosides: an EPR study. Chemistry and Physics of Lipids, 2000, 104, 193-206.	3.2	18
43	Stabilization of homogeneous preparations of pregnancy zone protein lyophilized in the presence of saccharose. Journal of Proteomics, 2000, 46, 95-105.	2.4	4
44	Inhibition of Human Platelet Aggregation by Gangliosides. Thrombosis Research, 2000, 98, 51-57.	1.7	7
45	Sphingolipids (Galactosylceramide and Sulfatide) in Lamellarâ”Hexagonal Phospholipid Phase Transitions and in Membrane Fusionâ€. Langmuir, 2000, 16, 8958-8963.	3.5	14
46	Extremely high thermal stability of streptavidin and avidin upon biotin binding. New Biotechnology, 1999, 16, 67-72.	2.7	159
47	A Model for the Interaction of 6â€Lauroylâ€2â€(N,Nâ€dimethylamino)naphthalene with Lipid Environments: Implications for Spectral Properties. Photochemistry and Photobiology, 1999, 70, 557-564.	2.5	101
48	Calcium dependency of arachidonic acid incorporation into cellular phospholipids of different cell types. Prostaglandins and Other Lipid Mediators, 1999, 57, 341-350.	1.9	14
49	The Effect of Phospholipase A2 Immobilization upon Calcium Interaction: A Kinetic Study. Journal of Biochemistry, 1999, 126, 1060-1066.	1.7	5
50	Cholesterol-induced stabilization of lamellar structures in ganglioside-containing lipid aggregates. A 31P-NMR study. Chemistry and Physics of Lipids, 1998, 94, 109-118.	3.2	6
51	Evidence of a strong interaction of 2,4-dichlorophenoxyacetic acid herbicide with human serum albumin. Life Sciences, 1998, 63, 2343-2351.	4.3	37
52	Water Dynamics in Glycosphingolipid Aggregates Studied by LAURDAN Fluorescence. Biophysical Journal, 1998, 75, 331-341.	0.5	96
53	Interaction of Biotin with Streptavidin. Journal of Biological Chemistry, 1997, 272, 11288-11294.	3.4	208
54	Surface and Aggregation Properties of N-(4-Nitrophenyl)perfluorononanamide. Langmuir, 1997, 13, 4079-4084.	3.5	4

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55	An â€œIn Vitroâ€•System Simulates in Membranes the Antibacterial Mechanism Postulated for the Action of Isoxazolylnaphtoquinoneimine inStaphylococcus aureus. Biochemical and Biophysical Research Communications, 1997, 239, 186-190.	2.1	4
56	High-Density Lipoprotein from Hypercholesterolemic Animals Has Peroxidized Lipids and Oligomeric Apolipoprotein A-I: Its Putative Role in Atherogenesis. Biochemical and Biophysical Research Communications, 1997, 239, 570-574.	2.1	20
57	A new phospholipase a2 isoform isolated from Bothrops neuwiedii (yararÃ¡ chica) venom with novel kinetic and chromatographic properties. Toxicon, 1997, 35, 1205-1215.	1.6	39
58	Laurdan properties in glycosphingolipid-phospholipid mixtures: a comparative fluorescence and calorimetric study. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1325, 80-90.	2.6	60
59	Dual Inhibitory Effect of Gangliosides on Phospholipase C-Promoted Fusion of Lipidic Vesiclesâ€. Biochemistry, 1996, 35, 7506-7513.	2.5	44
60	Synergic action of gangliosides on Î±-MSH-induced cyclic AMP levels in rat brain slices. Peptides, 1996, 17, 345-347.	2.4	4
61	Interaction of Î±-MSH and substance P with interfaces containing gangliosides. Peptides, 1996, 17, 269-274.	2.4	17
62	Inhibition by Gangliosides of Bacillus cereus Phospholipase C Activity Against Monolayers, Micelles and Bilayer Vesicles. FEBS Journal, 1996, 239, 105-110.	0.2	32
63	Two distinguishable fluorescent modes of 1-anilino-8-naphthalenesulfonate bound to human albumin. Journal of Fluorescence, 1996, 6, 33-40.	2.5	59
64	Interaction of Small Ligands with Human Serum Albumin Iiia Subdomain. How to Determine the Affinity Constant Using an Easy Steady State Fluorescent Method. Journal of Pharmaceutical Sciences, 1996, 85, 1131-1132.	3.3	44
65	Thermal Stability of Human Immunoglobulins with Sorbitol: A Critical Evaluation. Vox Sanguinis, 1995, 68, 1-4.	1.5	28
66	Fatty acid-indole fluorescent derivatives as probes to measure the polarity of interfaces containing gangliosides. Chemistry and Physics of Lipids, 1995, 78, 193-202.	3.2	12
67	Thermal Stability of Human Immunoglobulins with Sorbitol. Vox Sanguinis, 1995, 68, 1-4.	1.5	29
68	Kinetic and Pharmacological Characterization of Phospholipases A2 from Bothrops neuwiedii Venom. Archives of Biochemistry and Biophysics, 1995, 318, 65-70.	3.0	35
69	Differential penetration of fatty acyl-coenzyme A and fatty acylcarnitines into phospholipid monolayers. FEBS Letters, 1995, 357, 75-78.	2.8	34
70	Bioconversion of phospholipids by immobilized phospholipase A2. Journal of Biotechnology, 1995, 40, 145-153.	3.8	23
71	Phospholipase-C-promoted liposome fusion. Biochemical Society Transactions, 1994, 22, 839-844.	3.4	26
72	Effect of gangliosides on trypanosoma cruzi infection in mice. Life Sciences, 1993, 53, PL69-PL73.	4.3	9

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73	Concerted modulation by myelin basic protein and sulfatide of the activity of phospholipase A2 against phospholipid monolayers. Biochemistry, 1992, 31, 2636-2642.	2.5	22
74	Degradation of dilauroylphosphatidylcholine by phospholipase A2 in monolayers containing glycosphingolipids. Biochemistry, 1991, 30, 1709-1714.	2.5	42
75	Anti-inflammatory effect of gangliosides in the rat hindpaw edema test. European Journal of Pharmacology, 1991, 199, 93-98.	3.5	19
76	Molecular Parameters of Gangliosides in Monolayers: Comparative Evaluation of Suitable Purification Procedures1. Journal of Biochemistry, 1991, 110, 12-16.	1.7	36
77	Effect of sulfatide and gangliosides on phospholipase C and phospholipase A2 activity. A monolayer study. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1026, 179-185.	2.6	56
78	Secondary structure of signal sequence peptides in the presence and absence of lipid: a Fourier transform infrared spectroscopic investigation. Biochemical Society Transactions, 1987, 15, 1129-1131.	3.4	2
79	The interaction of an anti-lipid antibody (TEPC 15) with a model biomembrane system (monolayer). Biochimica Et Biophysica Acta - Biomembranes, 1987, 898, 253-256.	2.6	8
80	Molecular parameters and physical state of neutral glycosphingolipids and gangliosides in monolayers at different temperatures. Biochimica Et Biophysica Acta - Biomembranes, 1986, 854, 231-239.	2.6	58
81	Interaction of melittin with glycosphingolipids and phospholipids in mixed monolayers at different temperatures. Effect of the lipid physical state. Biochimica Et Biophysica Acta - Biomembranes, 1986, 862, 49-56.	2.6	33
82	Signal sequence peptides at an air-water interface. Biochemical Society Transactions, 1986, 14, 1131-1132.	3.4	1
83	Molecular interactions and thermotropic behavior of glycosphingolipids in model membrane systems. Chemistry and Physics of Lipids, 1986, 42, 49-63.	3.2	51
84	Interaction of myelin basic protein, melittin and bovine serum albumin with gangliosides, sulphatide and neutral glycosphingolipids in mixed monolayers. Chemistry and Physics of Lipids, 1984, 35, 231-245.	3.2	58