

Francisco Gavilanes

List of Publications by Year in descending order

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75
papers

1,842
citations

218381

26
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288905

40
g-index

76
all docs

76
docs citations

76
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	Annexin-Phospholipid Interactions. Functional Implications. International Journal of Molecular Sciences, 2013, 14, 2652-2683.	1.8	209
2	Identification of novel cellular proteins that bind to the LC8 dynein light chain using a pepscan technique. FEBS Letters, 2001, 503, 135-141.	1.3	91
3	Primary structure of wheat germ agglutinin isolectin 2. Peptide order deduced from x-ray structure. Biochemistry, 1984, 23, 280-287.	1.2	90
4	Thermally induced conformational changes in horseradish peroxidase. FEBS Journal, 2001, 268, 120-126.	0.2	87
5	Recognition of novel viral sequences that associate with the dynein light chain LC8 identified through a pepscan technique. FEBS Letters, 2003, 544, 262-267.	1.3	64
6	Proteomic identification of brain proteins that interact with dynein light chain LC8. Proteomics, 2004, 4, 339-346.	1.3	58
7	Binding of Dynein Light Chain (PIN) to Neuronal Nitric Oxide Synthase in the Absence of Inhibition. Archives of Biochemistry and Biophysics, 1998, 359, 297-304.	1.4	57
8	Structure and Interaction with Membrane Model Systems of a Peptide Derived from the Major Epitope Region of HIV Protein gp41: Implications on Viral Fusion Mechanism. Biochemistry, 2001, 40, 3196-3207.	1.2	48
9	Equilibrium binding of daunomycin and adriamycin to calf thymus DNA. Biochemical Pharmacology, 1988, 37, 2133-2138.	2.0	46
10	Distance-dependent cellular palmitoylation of de-novo-designed sequences and their translocation to plasma membrane subdomains. Journal of Cell Science, 2002, 115, 3119-3130.	1.2	46
11	Phospholipid interactions of the putative fusion peptide of hepatitis B virus surface antigen S protein. Journal of General Virology, 1995, 76, 301-308.	1.3	43
12	Proteomic Analysis of Apical Microvillous Membranes of Syncytiotrophoblast Cells Reveals A High Degree of Similarity with Lipid Rafts. Journal of Proteome Research, 2005, 4, 2435-2441.	1.8	43
13	Palmitoylation of Inducible Nitric-oxide Synthase at Cys-3 Is Required for Proper Intracellular Traffic and Nitric Oxide Synthesis. Journal of Biological Chemistry, 2004, 279, 55682-55689.	1.6	41
14	LPS-binding protein and CD14-dependent attachment of hepatitis B surface antigen to monocytes is determined by the phospholipid moiety of the particles. Journal of General Virology, 2002, 83, 2279-2289.	1.3	39
15	Distance-dependent cellular palmitoylation of de-novo-designed sequences and their translocation to plasma membrane subdomains. Journal of Cell Science, 2002, 115, 3119-30.	1.2	39
16	Two-Dimensional Crystallization on Lipid Monolayers and Three-Dimensional Structure of Sticholysin II, a Cytolysin from the Sea Anemone Stichodactyla helianthus. Biophysical Journal, 2000, 78, 3186-3194.	0.2	36
17	Two-state irreversible thermal denaturation of anionic peanut (Arachis hypogaea L.) peroxidase. Thermochimica Acta, 2004, 417, 67-73.	1.2	34
18	A Protein G Fragment from the Salmonid Viral Hemorrhagic Septicemia Rhabdovirus Induces Cell-to-Cell Fusion and Membrane Phosphatidylserine Translocation at Low pH. Journal of Biological Chemistry, 2001, 276, 46268-46275.	1.6	33

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19	The fluidity of plasma membranes from ethanol-treated rat liver. <i>Molecular and Cellular Biochemistry</i> , 1984, 64, 89-95.	1.4	32
20	Thermal stability of peroxidase from the african oil palm tree <i>Elaeis guineensis</i> . <i>FEBS Journal</i> , 2002, 269, 2584-2590.	0.2	30
21	Interaction of anthracyclines with nucleotides and related compounds studied by spectroscopy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1986, 884, 172-181.	1.1	29
22	Cellular uptake of S413-PV peptide occurs upon conformational changes induced by peptide-membrane interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 336-346.	1.4	29
23	Adoption of beta structure by the inactivating "ball" peptide of the Shaker B potassium channel. <i>Biophysical Journal</i> , 1995, 68, 858-865.	0.2	27
24	Prediction of a putative fusion peptide in the S protein of hepatitis B virus. <i>Journal of General Virology</i> , 1994, 75, 637-639.	1.3	26
25	Phospholipid Interactions of a Peptide from the Fusion-Related Domain of the Glycoprotein of VHSV, a Fish Rhabdovirus. <i>Virology</i> , 1998, 243, 322-330.	1.1	26
26	Incubation of superoxide dismutase with malondialdehyde and 4-hydroxy-2-nonenal forms new active isoforms and adducts. An evaluation of xenobiotics in fish. <i>Chemico-Biological Interactions</i> , 1998, 116, 1-17.	1.7	26
27	Fusogenic Activity of Hepadnavirus Peptides Corresponding to Sequences Downstream of the Putative Cleavage Site. <i>Virology</i> , 1999, 261, 133-142.	1.1	26
28	Site-directed mutagenesis of cysteine residues of hepatitis B surface antigen Analysis of two single mutants and the double mutant. <i>FEBS Journal</i> , 1994, 222, 121-127.	0.2	24
29	Interaction of S413-PV cell penetrating peptide with model membranes: relevance to peptide translocation across biological membranes. <i>Journal of Peptide Science</i> , 2007, 13, 301-313.	0.8	23
30	Conformational studies of the human complex-forming glycoprotein, heterogeneous in charge: protein HC. <i>Biochemistry</i> , 1984, 23, 1234-1238.	1.2	20
31	Structural Properties of the Putative Fusion Peptide of Hepatitis B Virus Upon Interaction with Phospholipids. Circular Dichroism and Fourier-Transform Infrared Spectroscopy Studies. <i>FEBS Journal</i> , 1996, 242, 243-248.	0.2	20
32	Induction of nitric oxide synthase-2 proceeds with the concomitant downregulation of the endogenous caveolin levels. <i>Journal of Cell Science</i> , 2004, 117, 1687-1697.	1.2	20
33	Sequence homology between prokaryotic and eukaryotic forms of serine hydroxymethyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 1983, 116, 1007-1012.	1.0	19
34	Functional properties of isolated hepatocytes from ethanol-treated rat liver. <i>Hepatology</i> , 1985, 5, 677-682.	3.6	19
35	Direct interaction between the reductase domain of endothelial nitric oxide synthase and the ryanodine receptor. <i>FEBS Letters</i> , 2005, 579, 3159-3163.	1.3	19
36	Cloning, Expression, and Purification of Histidine-Tagged preS Domains of Hepatitis B Virus. <i>Protein Expression and Purification</i> , 2001, 21, 183-191.	0.6	17

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37	Membrane fluidity and thromboxane synthesis in platelets from patients with severe atherosclerosis. <i>Thrombosis Research</i> , 1986, 44, 197-205.	0.8	16
38	Structural properties of the ectodomain of hepatitis C virus E2 envelope protein. <i>Virus Research</i> , 2009, 139, 91-99.	1.1	16
39	Heterologous enzyme-enzyme complex between d-fructose-1,6-bisphosphate aldolase and triosephosphate isomerase from <i>Ceratitis capitata</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 660, 154-156.	1.4	15
40	Expression and structural properties of a chimeric protein based on the ectodomains of E1 and E2 hepatitis C virus envelope glycoproteins. <i>Protein Expression and Purification</i> , 2010, 71, 123-131.	0.6	15
41	d-fructose 1,6-biphosphate aldolase from the dipteran <i>Ceratitis capitata</i> . <i>Archives of Biochemistry and Biophysics</i> , 1978, 188, 456-465.	1.4	14
42	Antigenicity of hepatitis B surface antigen proteins reconstituted with phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1233, 205-212.	1.4	14
43	Cloning, expression, purification, and characterization of the major core protein (p26) from equine infectious anemia virus. <i>BBA - Proteins and Proteomics</i> , 1997, 1339, 62-72.	2.1	14
44	Interaction between ion channel-inactivating peptides and anionic phospholipid vesicles as model targets. <i>Biophysical Journal</i> , 1996, 71, 1313-1323.	0.2	13
45	Membrane-perturbing properties of three peptides corresponding to the ectodomain of hepatitis C virus E2 envelope protein. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 755-763.	1.4	13
46	Thermal stability of hepatitis B surface antigen S proteins. <i>BBA - Proteins and Proteomics</i> , 1992, 1119, 225-231.	2.1	12
47	Compact residual structure in lentil lectin at pH 2. <i>FEBS Journal</i> , 2000, 267, 2127-2132.	0.2	12
48	Nitric Oxide Down-regulates Caveolin-3 Levels through the Interaction with Myogenin, Its Transcription Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 23044-23054.	1.6	12
49	N-type Inactivation of the Potassium Channel KcsA by the Shaker B α -Peptide. <i>Journal of Biological Chemistry</i> , 2008, 283, 18076-18085.	1.6	12
50	Thermostability of cardosin A from <i>Cynara cardunculus</i> L.. <i>Thermochimica Acta</i> , 2003, 402, 123-134.	1.2	11
51	Reconstitution of hepatitis B surface antigen proteins into phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1192, 45-52.	1.4	10
52	Inactivating peptide of the Shaker B potassium channel: conformational preferences inferred from studies on simple model systems. <i>Biochemical Journal</i> , 1998, 331, 497-504.	1.7	10
53	Tyrosine Phosphorylation of the Inactivating Peptide of the Shaker B Potassium Channel: A Structural~Functional Correlate. <i>Biochemistry</i> , 2002, 41, 12263-12269.	1.2	9
54	Influence of Acylation of a Peptide Corresponding to the Amino-Terminal Region of Endothelial Nitric Oxide Synthase on the Interaction with Model Membranes. <i>Biochemistry</i> , 2006, 45, 1263-1270.	1.2	9

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55	Insights into the oligomerization stateâ€“helicase activity relationship of West Nile virus NS3 NTPase/helicase. <i>Virus Research</i> , 2008, 135, 166-174.	1.1	9
56	Circular dichroism and fluorescence spectroscopic properties of the major core protein of feline immunodeficiency virus and its tryptophan mutants. <i>FEBS Journal</i> , 1999, 266, 1081-1089.	0.2	8
57	Study of the putative fusion regions of the preS domain of hepatitis B virus. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 895-906.	1.4	7
58	The deletion of residues 268-292 of E1 impairs the ability of HCV envelope proteins to induce pore formation. <i>Virus Research</i> , 2016, 217, 63-70.	1.1	7
59	Interaction of a peptide corresponding to the amino terminus region of the S protein of Hepatitis B virus with liposomes. <i>Biochemical Society Transactions</i> , 1994, 22, 365S-365S.	1.6	6
60	Interaction of preS domains of hepatitis B virus with phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 417-424.	1.4	6
61	Selective destabilization of acidic phospholipid bilayers performed by the hepatitis B virus fusion peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1463, 419-428.	1.4	5
62	High-yield production of a chimeric glycoprotein based on permuted E1 and E2 HCV envelope ectodomains. <i>Journal of Virological Methods</i> , 2015, 213, 38-44.	1.0	5
63	Synthesis of a photoaffinity labeling analogue of the inactivating peptide of the ShakerB potassium channel. <i>FEBS Letters</i> , 1996, 398, 81-86.	1.3	3
64	Probing the Channel-Bound ShakerB Inactivating Peptide by Stereoisomeric Substitution at a Strategic Tyrosine Residueâ€“. <i>Biochemistry</i> , 2003, 42, 8879-8884.	1.2	3
65	Spectroscopic Characterization and Fusogenic Properties of PreS Domains of Duck Hepatitis B Virus. <i>Biochemistry</i> , 2012, 51, 8444-8454.	1.2	3
66	Production and characterization of the ectodomain of E2 envelope glycoprotein of hepatitis C virus folded in the presence of full-length E1 glycoprotein. <i>Protein Expression and Purification</i> , 2014, 104, 20-25.	0.6	3
67	Fusogenic properties of the ectodomains of hepatitis C virus envelope proteins. <i>FEBS Journal</i> , 2014, 281, 2558-2569.	2.2	3
68	Triosephosphate isomerase from the insect <i>Ceratitis capitata</i> molecular and enzymic properties. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1981, 70, 257-262.	0.2	2
69	<i>Ceratitis capitata</i> brain adenylate cyclase and its membrane environment. <i>Archives of Biochemistry and Biophysics</i> , 1991, 286, 591-595.	1.4	2
70	Urea equilibrium unfolding of the major core protein of the retrovirus feline immunodeficiency virus and its tryptophan mutants. <i>BBA - Proteins and Proteomics</i> , 2001, 1546, 87-97.	2.1	2
71	A temperature-dependent inhibitory activity of serum on the capacity of <i>Saccharomyces cerevisiae</i> -derived hepatitis B surface antigen to bind to monocytes. <i>Archives of Virology</i> , 2005, 150, 247-259.	0.9	2
72	Fusogenic properties of the Ectodomain of HCV E2 envelope protein. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 728-736.	1.4	2

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73	Expression and Ni-NTA-Agarose Purification of Recombinant Hepatitis C Virus E2 Ectodomain Produced in a Baculovirus Expression System. <i>Bio-protocol</i> , 2018, 8, e3030.	0.2	1
74	Alterations in the physicochemical properties of renal cortical membranes in rats with experimental cirrhosis of the liver. <i>Archives Internationales De Physiologie Et De Biochimie</i> , 1990, 98, 371-376.	0.2	0
75	In vitro Membrane Interaction and Liposome Fusion Assays Using Recombinant Hepatitis C Virus Envelope Protein E2. <i>Bio-protocol</i> , 2018, 8, e3108.	0.2	0