Jean-Marie Ruysschaert

List of Publications by Year
in descending order

210	12,156	26630	32842
papers	citations	56 h-index	100 g-index

213	213	213	11761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization by Nano-Infrared Spectroscopy of Individual Aggregated Species of Amyloid Proteins. Molecules, 2020, 25, 2899.	3.8	28
2	Effect of structure in ionised albumin based nanoparticle: Characterisation, Emodin interaction, and in vitro cytotoxicity. Materials Science and Engineering C, 2019, 103, 109813.	7.3	12
3	Saturation of acyl chains converts cardiolipin from an antagonist to an activator of Toll-like receptor-4. Cellular and Molecular Life Sciences, 2019, 76, 3667-3678.	5.4	31
4	DOTAP, a lipidic transfection reagent, triggers Arabidopsis plant defense responses. Planta, 2019, 249, 469-480.	3.2	6
5	Large supramolecular structures of 33-mer gliadin peptide activate toll-like receptors in macrophages. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1417-1427.	3.3	29
6	ATR-FTIR Analysis of Amyloid Proteins. Methods in Molecular Biology, 2018, 1777, 69-81.	0.9	36
7	Cationic lipids as one-component vaccine adjuvants: A promising alternative to alum. Journal of Controlled Release, 2018, 287, 67-77.	9.9	25
8	Toll-like receptor 2 promiscuity is responsible for the immunostimulatory activity of nucleic acid nanocarriers. Journal of Controlled Release, 2017, 247, 182-193.	9.9	13
9	Structural Characterization of the Amyloid Precursor Protein Transmembrane Domain and Its Î³-Cleavage Site. ACS Omega, 2017, 2, 6525-6534.	3.5	26
10	Structural remodeling during amyloidogenesis of physiological NÎ±-acetylated Î±-synuclein. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 501-510.	2.3	10
11	Phosphatidylethanolamine Is a Key Regulator of Membrane Fluidity in Eukaryotic Cells. Journal of Biological Chemistry, 2016, 291, 3658-3667.	3.4	261
12	Critical residues involved in Toll-like receptor 4 activation by cationic lipid nanocarriers are not located at the lipopolysaccharide-binding interface. Cellular and Molecular Life Sciences, 2015, 72, 3971-3982.	5.4	28
13	Amyloid fibrils are the molecular trigger of inflammation in Parkinson's disease. Biochemical Journal, 2015, 471, 323-333.	3.7	144
14	The synthetic cationic lipid <scp>diC14</scp> activates a sector of the <scp>A</scp>rabidopsis defence network requiring endogenous signalling components. Molecular Plant Pathology, 2015, 16, 963-972.	4.2	8
15	Structural analysis of a nanoparticle containing a lipid bilayer used for detergent-free extraction of membrane proteins. Nano Research, 2015, 8, 774-789.	10.4	161
16	Structural characterization of novel cationic diC16-amidine bilayers: Evidence for partial interdigitation. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 127-133.	2.6	7
17	Cationic lipid nanocarriers activate Toll-like receptor 2 and NLRP3 inflammasome pathways. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 775-782.	3.3	79
18	Protonation drives the conformational switch in the multidrug transporter LmrP. Nature Chemical Biology, 2014, 10, 149-155.	8.0	68

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19	A lipid-mediated conformational switch modulates the thermosensing activity of DesK. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3579-3584.	7.1	69
20	ATR-FTIR: A â€œrejuvenatedâ€•tool to investigate amyloid proteins. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2328-2338.	2.6	338
21	Activation of innate immunity by lysozyme fibrils is critically dependent on cross-Î² sheet structure. Cellular and Molecular Life Sciences, 2013, 70, 2999-3012.	5.4	43
22	Oligonucleotide Adsorption Affects Phase Transition but Not Interdigitation of diC14-Amidine Bilayers. Langmuir, 2013, 29, 11102-11108.	3.5	8
23	Toxic prefibrillar Î±-synuclein amyloid oligomers adopt a distinctive antiparallel Î²-sheet structure. Biochemical Journal, 2012, 443, 719-726.	3.7	215
24	Temperature-Dependence of Cationic Lipid Bilayer Intermixing: Possible Role of Interdigitation. Langmuir, 2012, 28, 4640-4647.	3.5	12
25	Cationic lipids activate intracellular signaling pathways. Advanced Drug Delivery Reviews, 2012, 64, 1749-1758.	13.7	172
26	Stalk-free membrane fusion of cationic lipids via an interdigitated phase. Soft Matter, 2012, 8, 7243.	2.7	9
27	The cationic lipid, diC14 amidine, extends the adjuvant properties of aluminum salts through a TLR-4- and caspase-1-independent mechanism. Vaccine, 2012, 30, 414-424.	3.8	21
28	Structural and Metal Binding Characterization of the C-Terminal Metallochaperone Domain of Membrane Fusion Protein SilB fromCupriavidus metalliduransCH34. Biochemistry, 2011, 50, 2194-2204.	2.5	28
29	Transformation of amyloid Î²(1â€“40) oligomers into fibrils is characterized by a major change in secondary structure. Cellular and Molecular Life Sciences, 2011, 68, 1429-1438.	5.4	129
30	Considering temozolomide as a novel potential treatment for esophageal cancer. Cancer, 2011, 117, 2004-2016.	4.1	23
31	High ability of apolipoprotein E4 to stabilize amyloidâ€Î² peptide oligomers, the pathological entities responsible for Alzheimer's disease. FASEB Journal, 2011, 25, 1585-1595.	0.5	83
32	Calcium Ions Promote Formation of Amyloid Î²-Peptide (1â€“40) Oligomers Causally Implicated in Neuronal Toxicity of Alzheimer's Disease. PLoS ONE, 2011, 6, e18250.	2.5	103
33	Fusogenic activity of cationic lipids and lipid shape distribution. Cellular and Molecular Life Sciences, 2010, 67, 483-494.	5.4	29
34	ATRâ€“FTIR, a new tool to analyze the oligomeric content of AÎ² samples in the presence of apolipoprotein E isoforms. Spectroscopy, 2010, 24, 245-249.	0.8	4
35	Identification of Specific Lipid-binding Sites in Integral Membrane Proteins. Journal of Biological Chemistry, 2010, 285, 10519-10526.	3.4	33
36	Lipid Composition Regulates the Orientation of Transmembrane Helices in HorA, an ABC Multidrug Transporter. Journal of Biological Chemistry, 2010, 285, 14144-14151.	3.4	37

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37	Molecular Restructuring of Water and Lipids upon the Interaction of DNA with Lipid Monolayers. Journal of the American Chemical Society, 2010, 132, 8037-8047.	13.7	40
38	Long-term In Vitro Treatment of Human Glioblastoma Cells with Temozolomide Increases Resistance In Vivo through Up-regulation of GLUT Transporter and Aldo-Keto Reductase Enzyme AKR1C Expression. Neoplasia, 2010, 12, 727-739.	5.3	104
39	Metal-induced conformational changes in ZneB suggest an active role of membrane fusion proteins in efflux resistance systems. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11038-11043.	7.1	74
40	Antiparallel Î²-sheet: a signature structure of the oligomeric amyloid Î²-peptide. Biochemical Journal, 2009, 421, 415-423.	3.7	445
41	Identification of a Novel Determinant for Membrane Association in Hepatitis C Virus Nonstructural Protein 4B. Journal of Virology, 2009, 83, 6257-6268.	3.4	91
42	Characterization of the Cationic DiC14-amidine Bilayer by Mixed DMPC/DiC14-amidine Molecular Dynamics Simulations Shows an Interdigitated Nonlamellar Bilayer Phase. Langmuir, 2009, 25, 5230-5238.	3.5	11
43	Cationic lipids activate cellular cascades. Which receptors are involved?. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 425-430.	2.4	22
44	DNA alters the bilayer structure of cationic lipid diC14-amidine: A spin label study. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1304-1309.	2.6	8
45	DiC14â€amidine cationic liposomes stimulate myeloid dendritic cells through Tollâ€like receptor 4. European Journal of Immunology, 2008, 38, 1351-1357.	2.9	82
46	Cationic liposomal lipids: From gene carriers to cell signaling. Progress in Lipid Research, 2008, 47, 340-347.	11.6	186
47	Cationic lipid/DNA complexes induce TNF-Î± secretion in splenic macrophages. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 817-823.	4.3	9
48	Interactions between Phosphatidylethanolamine Headgroup and LmrP, a Multidrug Transporter. Journal of Biological Chemistry, 2008, 283, 9369-9376.	3.4	66
49	Multidrug resistance protein 1 is not associated to detergent-resistant membranes. Biochemical and Biophysical Research Communications, 2007, 355, 1025-1030.	2.1	12
50	Î²-Sheet Structured Î²-Amyloid(1-40) Perturbs Phosphatidylcholine Model Membranes. Journal of Molecular Biology, 2007, 368, 982-997.	4.2	75
51	Cationic lipids involved in gene transfer mobilize intracellular calcium. Molecular Membrane Biology, 2007, 24, 225-232.	2.0	11
52	Replacement of the positively charged Walker A lysine residue with a hydrophobic leucine residue and conformational alterations caused by this mutation in MRP1 impair ATP binding and hydrolysis. Biochemical Journal, 2006, 397, 121-130.	3.7	9
53	Evaluation of the Information Content in Infrared Spectra for Protein Secondary Structure Determination. Biophysical Journal, 2006, 90, 2946-2957.	0.5	341
54	Charged residues are involved in membrane fusion mediated by a hydrophilic peptide located in vesicular stomatitis virus G protein. Molecular Membrane Biology, 2006, 23, 396-406.	2.0	7

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55	Expression, purification, and structural prediction of the Ets transcription factor ERM. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1192-1201.	2.4	4
56	Free diC14-amidine liposomes inhibit the TNF-Î± secretion induced by CpG sequences and lipopolysaccharides: role of lipoproteins. Molecular Membrane Biology, 2006, 23, 227-234.	2.0	10
57	Translocation of amino acyl residues from the membrane interface to the hydrophobic core: thermodynamic model and experimental analysis using ATR-FTIR spectroscopy. Molecular Membrane Biology, 2006, 23, 363-374.	2.0	24
58	Interactions Involved in the Realignment of Membrane-associated Helices. Journal of Biological Chemistry, 2006, 281, 7708-7716.	3.4	37
59	Orientation and mode of lipid-binding interaction of human apolipoprotein E C-terminal domain. Biochemical Journal, 2005, 387, 747-754.	3.7	34
60	Structure, Orientation, and Conformational Changes in Transmembrane Domains of Multidrug Transporters. ChemInform, 2005, 36, no.	0.0	0
61	Vaccination with the recombinant allergen ProDer p 1 complexed with the cationic lipid DiC14-amidine prevents allergic responses to house dust mite. Molecular Therapy, 2005, 11, 960-968.	8.2	22
62	Lipid Mixing between Lipoplexes and Plasma Lipoproteins Is a Major Barrier for Intravenous Transfection Mediated by Cationic Lipids. Journal of Biological Chemistry, 2005, 280, 12255-12261.	3.4	36
63	Structure, Orientation, and Conformational Changes in Transmembrane Domains of Multidrug Transporters. Accounts of Chemical Research, 2005, 38, 117-126.	15.6	10
64	Sensor applications of attenuated total reflection infrared spectroscopy. Talanta, 2005, 65, 1132-1142.	5.5	57
65	Formation and Intracellular Trafficking of Lipoplexes and Polyplexes. Molecular Therapy, 2005, 11, 336-347.	8.2	421
66	Phosphorylation-induced Conformational Changes of Cystic Fibrosis Transmembrane Conductance Regulator Monitored by Attenuated Total Reflection-Fourier Transform IR Spectroscopy and Fluorescence Spectroscopy. Journal of Biological Chemistry, 2004, 279, 5528-5536.	3.4	27
67	The optimization of protein secondary structure determination with infrared and circular dichroism spectra. FEBS Journal, 2004, 271, 2937-2948.	0.2	155
68	Structural characterization of diC14-amidine, a pH-sensitive cationic lipid used for transfection. Chemistry and Physics of Lipids, 2004, 131, 197-204.	3.2	13
69	Evaluation of the Ordering of Membranes in Multilayer Stacks Built on an ATR-FTIR Germanium Crystal with Atomic Force Microscopy: The Case of the H+,K+-ATPase-containing Gastric Tubulovesicle Membranes. Biophysical Journal, 2004, 87, 1307-1315.	0.5	24
70	Mistargeted MRPÎ"F728 mutant is rescued by intracellular GSH. FEBS Letters, 2004, 578, 145-151.	2.8	8
71	Characterization of diphtheria toxin's catalytic domain interaction with lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1661, 166-177.	2.6	11
72	Analysis of 1H/2H Exchange Kinetics Using Model Infrared Spectra. Applied Spectroscopy, 2004, 58, 68-82.	2.2	44

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73	Conformational changes in gastric H+/K+-ATPase monitored by difference Fourier-transform infrared spectroscopy and hydrogen/deuterium exchange. Biochemical Journal, 2004, 382, 121-129.	3.7	27
74	Rationally selected basis proteins: A new approach to selecting proteins for spectroscopic secondary structure analysis. Protein Science, 2003, 12, 2015-2031.	7.6	43
75	Protein concentration is not an absolute prerequisite for the determination of secondary structure from circular dichroism spectra: a new scaling method. Analytical Biochemistry, 2003, 319, 114-121.	2.4	117
76	BACTERIAL MULTIDRUG RESISTANCE MEDIATED BY ABC TRANSPORTERS. , 2003, , 243-262.		5
77	Glucocorticoids Alter the Lipid and Protein Composition of Membrane Rafts of a Murine T Cell Hybridoma. Journal of Immunology, 2003, 170, 2932-2939.	0.8	37
78	Identification of human plasma proteins that bind to cationic lipid/DNA complex and analysis of their effects on transfection efficiency: implications for intravenous gene transfer. Molecular Therapy, 2003, 8, 264-273.	8.2	52
79	Free cationic liposomes inhibit the inflammatory response to cationic lipidâ€“DNA complex injected intravenously and enhance its transfection efficiency. Molecular Therapy, 2003, 7, 81-88.	8.2	30
80	Calorimetry of Cationic Liposomeâ€“DNA Complex and Intracellular Visualization of the Complexes. Methods in Enzymology, 2003, 373, 312-332.	1.0	6
81	Role of Intracellular Cationic Liposomeâ€“DNA Complex Dissociation in Transfection Mediated by Cationic Lipids. DNA and Cell Biology, 2002, 21, 91-97.	1.9	43
82	Structural and Functional Asymmetry of the Nucleotide-binding Domains of P-glycoprotein Investigated by Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. Journal of Biological Chemistry, 2002, 277, 5008-5016.	3.4	43
83	Phospholipid Species Act as Modulators in p97/p47-Mediated Fusion of Golgi Membranesâ€. Biochemistry, 2002, 41, 9813-9823.	2.5	24
84	Insight into the Factors Influencing the Backbone Dynamics of Three Homologous Proteins, Dendrotoxins I and K, and BPTI:Â FTIR and Time-Resolved Fluorescence Investigations. Biochemistry, 2002, 41, 15267-15276.	2.5	2
85	A new experimental approach to detect long-range conformational changes transmitted between the membrane and cytosolic domains of LmrA, a bacterial multidrug transporter. FEBS Letters, 2002, 530, 197-203.	2.8	12
86	Biophysical and Transfection Studies of the diC14-Amidine/DNA Complex. Biophysical Journal, 2002, 82, 3105-3117.	0.5	34
87	Evidence that thermodynamic stability of papaya glutamine cyclase is only marginal. Biopolymers, 2002, 65, 325-335.	2.4	2
88	Infrared spectroscopy as a tool for discrimination between sensitive and multiresistant K562 cells. FEBS Journal, 2002, 269, 1968-1973.	0.2	50
89	Conformational Changes of the 120â€kDa Na⁺/Ca²⁺ Exchanger Protein upon Ligand Binding. Annals of the New York Academy of Sciences, 2002, 976, 97-99.	3.8	0
90	Biophysical and transfection properties of DNA-DiC14-amidine complexes. Cellular and Molecular Biology Letters, 2002, 7, 249-50.	7.0	1

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91	Membrane Molecule Reorientation in an Electric Field Recorded by Attenuated Total Reflection Fourier-Transform Infrared Spectroscopy. Biophysical Journal, 2001, 80, 324-330.	0.5	34
92	Membrane Interactions of Mutated Forms of the Influenza Fusion Peptide. Biochemistry, 2001, 40, 8800-8807.	2.5	50
93	Structure and Dynamics of the Membrane-Embedded Domain of LmrA Investigated by Coupling Polarized ATR-FTIR Spectroscopy and1H/2H Exchangeâ€. Biochemistry, 2001, 40, 11876-11886.	2.5	38
94	Conformational Changes of the 120-kDa Na+/Ca2+Exchanger Protein upon Ligand Binding:Â A Fourier Transform Infrared Spectroscopy Studyâ€. Biochemistry, 2001, 40, 3324-3332.	2.5	12
95	Difference between the E1 and E2 conformations of gastric H+/K+-ATPase in a multilamellar lipid film system. FEBS Journal, 2001, 268, 2873-2880.	0.2	10
96	Monitoring of secondary and tertiary structure changes in the gastric H+/K+-ATPase by infrared spectroscopy. FEBS Journal, 2001, 268, 3644-3653.	0.2	25
97	Structural modifications in the membrane-bound regions of the gastric H+/K+-ATPase upon ligand binding. FEBS Journal, 2001, 268, 5135-5141.	0.2	4
98	Stacks of close to 100 phospholipid bilayers fully accessible to proteins. Analytica Chimica Acta, 2001, 435, 215-226.	5.4	6
99	Structure and interaction of VacA of Helicobacter pylori with a lipid membrane. FEBS Journal, 2000, 267, 104-109.	0.2	34
100	Structure and dynamics of lipid-associated states of apocytochrome c. FEBS Journal, 2000, 267, 1390-1396.	0.2	14
101	Characterization of the interaction of IpaB and IpaD, proteins required for entry of Shigella flexneriinto epithelial cells, with a lipid membrane. FEBS Journal, 2000, 267, 5769-5776.	0.2	36
102	Common Properties of Fusion Peptides from Diverse Systems. Bioscience Reports, 2000, 20, 483-500.	2.4	41
103	Purification and Characterization of Two Voltage-Dependent Anion Channel Isoforms from Plant Seeds. Plant Physiology, 2000, 124, 1181-1190.	4.8	33
104	Biophysical and Structural Properties of DNAÂ·diC14-amidine Complexes. Journal of Biological Chemistry, 2000, 275, 29533-29538.	3.4	50
105	Protein-induced Fusion Can Be Modulated by Target Membrane Lipids through a Structural Switch at the Level of the Fusion Peptide. Journal of Biological Chemistry, 2000, 275, 3936-3942.	3.4	34
106	Structure and Orientation of Two Voltage-dependent Anion-selective Channel Isoforms. Journal of Biological Chemistry, 2000, 275, 40992-40999.	3.4	44
107	Multidrug Resistance Protein MRP1 Reconstituted into Lipid Vesicles:â€‰ Secondary Structure and Nucleotide-Induced Tertiary Structure Changes. Biochemistry, 2000, 39, 13026-13033.	2.5	34
108	Membrane topology of VacA cytotoxin fromH. pylori. FEBS Letters, 2000, 481, 96-100.	2.8	12

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109	Secondary and Tertiary Structure Changes of Reconstituted LmrA Induced by Nucleotide Binding or Hydrolysis. Journal of Biological Chemistry, 2000, 275, 10962-10967.	3.4	39
110	Lentil Seed Aquaporins. , 2000, , 297-305.		0
111	Intracellular Visualization of BrdU-labeled Plasmid DNA/Cationic Liposome Complexes. Journal of Histochemistry and Cytochemistry, 1999, 47, 1159-1166.	2.5	39
112	Fourier Transform Infrared Spectroscopy Study of the Secondary and Tertiary Structure of the Reconstituted Na+/Ca2+ Exchanger 70-kDa Polypeptide. Journal of Biological Chemistry, 1999, 274, 15510-15518.	3.4	18
113	Ligand-mediated Tertiary Structure Changes of Reconstituted P-glycoprotein. Journal of Biological Chemistry, 1999, 274, 17649-17654.	3.4	90
114	Characterization of the Sequence of Interactions of the Fusion Domain of the Simian Immunodeficiency Virus with Membranes. Journal of Biological Chemistry, 1999, 274, 29951-29959.	3.4	65
115	Role of the N-terminal peptides of viral envelope proteins in membrane fusion. Advanced Drug Delivery Reviews, 1999, 38, 233-255.	13.7	39
116	Attenuated total reflection infrared spectroscopy of proteins and lipids in biological membranes. BBA - Biomembranes, 1999, 1422, 105-185.	8.0	532
117	Structural difference in the H+,K+-ATPase between the E1 and E2 conformations . An attenuated total reflection infrared spectroscopy, UV circular dichroism and Raman spectroscopy study. FEBS Journal, 1999, 262, 176-183.	0.2	8
118	Relationship of membrane sidedness to the effects of the lipophosphoglycan of Leishmania donovani on the fusion of influenza virus. FEBS Journal, 1999, 262, 890-899.	0.2	6
119	Occurrence of an HIV-1 gp160 endoproteolytic activity in low-density vesicles and evidence for a distinct density distribution from endogenously expressed furin and PC7/LPC convertases. FEBS Letters, 1999, 456, 97-102.	2.8	17
120	Liposomes composed of a double-chain cationic amphiphile (Vectamidine) induce their own encapsulation into human erythrocytes. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1421, 125-130.	2.6	17
121	Membrane Helix Orientation from Linear Dichroism of Infrared Attenuated Total Reflection Spectra. Biophysical Journal, 1999, 76, 552-563.	0.5	141
122	Hydrogenâ^'Deuterium Exchange of Streptavidin and Its Complex with Biotin Studied by 2D-Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. Journal of the American Chemical Society, 1999, 121, 5115-5122.	13.7	48
123	Membrane Fusion Induced by a Short Fusogenic Peptide Is Assessed by Its Insertion and Orientation into Target Bilayersâ€. Biochemistry, 1999, 38, 9337-9347.	2.5	25
124	Structure and Topology of Diphtheria Toxin R Domain in Lipid Membranes. Biochemistry, 1999, 38, 660-666.	2.5	10
125	Secondary structure of the intact H+,K+-ATPase and of its membrane-embedded region . An attenuated total reflection infrared spectroscopy, circular dichroism and Raman spectroscopy study. FEBS Journal, 1998, 252, 261-267.	0.2	12
126	Use of a photoactivatable lipid to probe the topology of PA63 of Bacillus anthracis in lipid membranes. FEBS Journal, 1998, 256, 179-183.	0.2	9

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127	Lipophosphoglycan of Leishmania donovani inhibits lipid vesicle fusion induced by the N-terminal extremity of viral fusogenic Simian immunodeficiency virus protein. FEBS Journal, 1998, 258, 150-156.	0.2	15
128	Papaya glutamine cyclase, a plant enzyme highly resistant to proteolysis, adopts an all-beta conformation. FEBS Journal, 1998, 258, 214-222.	0.2	49
129	Pulmonary surfactantâ€associated polypeptide C in a mixed organic solvent transforms from a monomeric Î±â€helical state into insoluble Î²â€sheet aggregates. Protein Science, 1998, 7, 2533-2540.	7.6	85
130	Physico-chemical characterization of a double long-chain cationic amphiphile (Vectamidine) by microelectrophoresis. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1372, 339-346.	2.6	13
131	Lipid membrane binding of NK-lysin. FEBS Letters, 1998, 425, 341-344.	2.8	57
132	Secondary structure of the membrane-bound domains of H+,K+-ATPase and Ca2+-ATPase, a comparison by FTIR after proteolysis treatment of the native membranes. FEBS Letters, 1998, 437, 187-192.	2.8	5
133	Structural Properties of the Putative Fusion Peptide of Fertilin, a Protein Active in Spermâ^'Egg Fusion, upon Interaction with the Lipid Bilayer. Biochemistry, 1998, 37, 17030-17039.	2.5	33
134	Membrane Fusion Induced by 11-mer Anionic and Cationic Peptides: A Structureâ^'Function Studyâ€. Biochemistry, 1998, 37, 2361-2371.	2.5	31
135	The Acid Activation ofHelicobacter pyloriToxin VacA: Structural and Membrane Binding Studies. Biochemical and Biophysical Research Communications, 1998, 248, 334-340.	2.1	84
136	Structural Characterization of the Hydrophobin SC3, as a Monomer and after Self-Assembly at Hydrophobic/Hydrophilic Interfaces. Biophysical Journal, 1998, 74, 2059-2068.	0.5	168
137	The Low Density Lipoprotein Receptor Active Conformation of Apolipoprotein E. Journal of Biological Chemistry, 1998, 273, 25825-25830.	3.4	89
138	Furin and proprotein convertase 7 (PC7)/lymphoma PC endogenously expressed in rat liver can be resolved into distinct post-Golgi compartments. Biochemical Journal, 1998, 336, 311-316.	3.7	39
139	Fourier Transform Infrared Spectroscopy Study of the Secondary Structure of the Gastric H+,K+-ATPase and of Its Membrane-associated Proteolytic Peptides. Journal of Biological Chemistry, 1997, 272, 262-270.	3.4	45
140	What studies of fusion peptides tell us about viral envelope glycoprotein-mediated membrane fusion (Review). Molecular Membrane Biology, 1997, 14, 97-112.	2.0	200
141	Monitoring Structural Stability of Trypsin Inhibitor at the Submolecular Level by Amideâ^'Proton Exchange Using Fourier Transform Infrared Spectroscopy:â€‰ A Test Case for More General Application. Biochemistry, 1997, 36, 13593-13602.	2.5	44
142	Structure and Interaction of PA63 and EF (Edema Toxin) ofBacillus anthraciswith Lipid Membraneâ€. Biochemistry, 1997, 36, 14906-14913.	2.5	30
143	Conformational Changes in Aerolysin during the Transition from the Water-Soluble Protoxin to the Membrane Channelâ€. Biochemistry, 1997, 36, 15224-15232.	2.5	43
144	Purification of IpaC, a protein involved in entry of Shigella flexneri into epithelial cells and characterization of its interaction with lipid membranes. FEBS Letters, 1997, 400, 149-154.	2.8	58

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145	Comparison of lipid vesicle fusion induced by the putative fusion peptide of fertilin (a protein active in) Tj ETQq1 1 0.784314 rgBT /Ov	2.8	25
146	Comparative processing of bovine leukemia virus envelope glycoprotein gp72 by subtilisin/kexin-like mammalian convertases. FEBS Letters, 1997, 406, 205-210.	2.8	23
147	Amide-Proton Exchange of Water-Soluble Proteins of Different Structural Classes Studied at the Submolecular Level by Infrared Spectroscopy. Biochemistry, 1997, 36, 13603-13610.	2.5	58
148	Interaction with a lipid membrane: a key step in bacterial toxins virulence. International Journal of Biological Macromolecules, 1997, 21, 285-298.	7.5	46
149	Saposin fold revealed by the NMR structure of NK-lysin. Nature Structural Biology, 1997, 4, 793-795.	9.7	214
150	Human immunodeficiency virus type-1-specific immune responses induced by DNA vaccination are greatly enhanced by mannan-coated diC14-amidine. European Journal of Immunology, 1997, 27, 3121-3129.	2.9	39
151	Secondary Structure of Anthrax Lethal Toxin Proteins and Their Interaction with Large Unilamellar Vesicles:Ã A Fourier-Transform Infrared Spectroscopy Approachâ€. Biochemistry, 1996, 35, 14939-14946.	2.5	28
152	Relevance of Protein Thin Films Prepared for Attenuated Total Reflection Fourier Transform Infrared Spectroscopy: Significance of the pH. Applied Spectroscopy, 1996, 50, 1519-1527.	2.2	42
153	Cellular uptake, cytotoxicity, and transport kinetics of anthracyclines in human sensitive and multidrug-resistant K562 cells. Biochemical Pharmacology, 1996, 51, 1341-1348.	4.4	21
154	The 21â€residue surfactant peptide (LysLeu₄₄Lys(KL₄) is a transmembrane Î±â€helix with a mixed nonpolar/polar surface. FEBS Letters, 1996, 384, 185-188.	2.8	64
155	The Different Molar Absorptivities of the Secondary Structure Types in the Amide I Region: An Attenuated Total Reflection Infrared Study on Globular Proteins. Analytical Biochemistry, 1996, 242, 95-103.	2.4	109
156	Topology of diphtheria toxin in lipid vesicle membranes: a proteolysis study. Molecular Microbiology, 1996, 21, 1283-1296.	2.5	20
157	Hydrogen/Deuterium Exchange Kinetics of Apolipophorin-III in Lipid-free and Phospholipid-bound States. Journal of Biological Chemistry, 1996, 271, 23089-23095.	3.4	56
158	Secondary and Tertiary Structure Changes of Reconstituted P-glycoprotein. Journal of Biological Chemistry, 1996, 271, 24617-24624.	3.4	128
159	Identification of the Paired Basic Convertases Implicated in HIV gp160 Processing Based on in Vitro Assays and Expression in CD4+ Cell Lines. Journal of Biological Chemistry, 1996, 271, 30442-30450.	3.4	109
160	Structural and Functional Importance of the C-Terminal Part of the Pulmonary Surfactant Polypeptide SP-C. FEBS Journal, 1995, 229, 465-472.	0.2	6
161	Tertiary stability of native and methionine-80 modified cytochrome c detected by proton-deuterium exchange using online Fourier transform infrared spectroscopy. Biochemistry, 1995, 34, 172-179.	2.5	75
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