

Jean-Marie Ruyschaert

List of Publications by Year in descending order

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210
papers

12,156
citations

26630

56
h-index

32842

100
g-index

213
all docs

213
docs citations

213
times ranked

11761
citing authors

#	ARTICLE	IF	CITATIONS
1	Attenuated total reflection infrared spectroscopy of proteins and lipids in biological membranes. BBA - Biomembranes, 1999, 1422, 105-185.	8.0	532
2	Secondary structure and dosage of soluble and membrane proteins by attenuated total reflection Fourier-transform infrared spectroscopy on hydrated films. FEBS Journal, 1990, 193, 409-420.	0.2	479
3	Antiparallel β -sheet: a signature structure of the oligomeric amyloid β -peptide. Biochemical Journal, 2009, 421, 415-423.	3.7	445
4	Formation and Intracellular Trafficking of Lipoplexes and Polyplexes. Molecular Therapy, 2005, 11, 336-347.	8.2	421
5	Evaluation of the Information Content in Infrared Spectra for Protein Secondary Structure Determination. Biophysical Journal, 2006, 90, 2946-2957.	0.5	341
6	ATR-FTIR: A "rejuvenated" tool to investigate amyloid proteins. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2328-2338.	2.6	338
7	Determination of Soluble and Membrane Protein Structure by Fourier Transform Infrared Spectroscopy. Sub-Cellular Biochemistry, 1994, 23, 405-450.	2.4	324
8	Phosphatidylethanolamine Is a Key Regulator of Membrane Fluidity in Eukaryotic Cells. Journal of Biological Chemistry, 2016, 291, 3658-3667.	3.4	261
9	Determination of Soluble and Membrane Protein Structure by Fourier Transform Infrared Spectroscopy. Sub-Cellular Biochemistry, 1994, 23, 329-362.	2.4	260
10	Toxic prefibrillar β -synuclein amyloid oligomers adopt a distinctive antiparallel β -sheet structure. Biochemical Journal, 2012, 443, 719-726.	3.7	215
11	Saprosin fold revealed by the NMR structure of NK-lysin. Nature Structural Biology, 1997, 4, 793-795.	9.7	214
12	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
13	Cationic liposomal lipids: From gene carriers to cell signaling. Progress in Lipid Research, 2008, 47, 340-347.	11.6	186
14	Cationic lipids activate intracellular signaling pathways. Advanced Drug Delivery Reviews, 2012, 64, 1749-1758.	13.7	172
15	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
16	Structure and orientation of the surfactant-associated protein C in a lipid bilayer. FEBS Journal, 1992, 203, 201-209.	0.2	167
17	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
18	The optimization of protein secondary structure determination with infrared and circular dichroism spectra. FEBS Journal, 2004, 271, 2937-2948.	0.2	155

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19	Adriamycin inactivates cytochrome c oxidase by exclusion of the enzyme from its cardiolipin essential environment. <i>Biochemical and Biophysical Research Communications</i> , 1982, 104, 314-320.	2.1	148
20	Amyloid fibrils are the molecular trigger of inflammation in Parkinson's disease. <i>Biochemical Journal</i> , 2015, 471, 323-333.	3.7	144
21	Membrane Helix Orientation from Linear Dichroism of Infrared Attenuated Total Reflection Spectra. <i>Biophysical Journal</i> , 1999, 76, 552-563.	0.5	141
22	Transformation of amyloid β (1-40) oligomers into fibrils is characterized by a major change in secondary structure. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1429-1438.	5.4	129
23	Secondary and Tertiary Structure Changes of Reconstituted P-glycoprotein. <i>Journal of Biological Chemistry</i> , 1996, 271, 24617-24624.	3.4	128
24	Determination of Soluble and Membrane Protein Structure by Fourier Transform Infrared Spectroscopy. <i>Sub-Cellular Biochemistry</i> , 1994, 23, 363-403.	2.4	124
25	Structure and Topology of the Influenza Virus Fusion Peptide in Lipid Bilayers. <i>Journal of Biological Chemistry</i> , 1995, 270, 27606-27614.	3.4	122
26	Protein concentration is not an absolute prerequisite for the determination of secondary structure from circular dichroism spectra: a new scaling method. <i>Analytical Biochemistry</i> , 2003, 319, 114-121.	2.4	117
27	The Different Molar Absorptivities of the Secondary Structure Types in the Amide I Region: An Attenuated Total Reflection Infrared Study on Globular Proteins. <i>Analytical Biochemistry</i> , 1996, 242, 95-103.	2.4	109
28	Identification of the Paired Basic Convertases Implicated in HIV gp160 Processing Based on in Vitro Assays and Expression in CD4+ Cell Lines. <i>Journal of Biological Chemistry</i> , 1996, 271, 30442-30450.	3.4	109
29	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. <i>Neoplasia</i> , 2010, 12, 727-739.	5.3	104
30	Calcium Ions Promote Formation of Amyloid β -Peptide (1-40) Oligomers Causally Implicated in Neuronal Toxicity of Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e18250.	2.5	103
31	Orientation into the lipid bilayer of an asymmetric amphipathic helical peptide located at the N-terminus of viral fusion proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1029, 267-273.	2.6	101
32	Orientation and structure of the NH2-terminal HIV-1 gp41 peptide in fused and aggregated liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1145, 124-133.	2.6	99
33	Secondary Structure and Membrane Interaction of PR-39, a Pro+Arg-rich Antibacterial Peptide. <i>FEBS Journal</i> , 1994, 224, 1019-1027.	0.2	97
34	Identification of a Novel Determinant for Membrane Association in Hepatitis C Virus Nonstructural Protein 4B. <i>Journal of Virology</i> , 2009, 83, 6257-6268.	3.4	91
35	Ligand-mediated Tertiary Structure Changes of Reconstituted P-glycoprotein. <i>Journal of Biological Chemistry</i> , 1999, 274, 17649-17654.	3.4	90
36	The Low Density Lipoprotein Receptor Active Conformation of Apolipoprotein E. <i>Journal of Biological Chemistry</i> , 1998, 273, 25825-25830.	3.4	89

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37	Pulmonary surfactant-associated polypeptide C in a mixed organic solvent transforms from a monomeric α -helical state into insoluble β -sheet aggregates. <i>Protein Science</i> , 1998, 7, 2533-2540.	7.6	85
38	The Acid Activation of <i>Helicobacter pylori</i> Toxin VacA: Structural and Membrane Binding Studies. <i>Biochemical and Biophysical Research Communications</i> , 1998, 248, 334-340.	2.1	84
39	High ability of apolipoprotein E4 to stabilize amyloid- β peptide oligomers, the pathological entities responsible for Alzheimer's disease. <i>FASEB Journal</i> , 2011, 25, 1585-1595.	0.5	83
40	DiC14- ϵ -amidinium cationic liposomes stimulate myeloid dendritic cells through Toll-like receptor 4. <i>European Journal of Immunology</i> , 2008, 38, 1351-1357.	2.9	82
41	Cationic lipid nanocarriers activate Toll-like receptor 2 and NLRP3 inflammasome pathways. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 775-782.	3.3	79
42	Tertiary stability of native and methionine-80 modified cytochrome c detected by proton-deuterium exchange using online Fourier transform infrared spectroscopy. <i>Biochemistry</i> , 1995, 34, 172-179.	2.5	75
43	β -Sheet Structured β -Amyloid(1-40) Perturbs Phosphatidylcholine Model Membranes. <i>Journal of Molecular Biology</i> , 2007, 368, 982-997.	4.2	75
44	Metal-induced conformational changes in ZneB suggest an active role of membrane fusion proteins in efflux resistance systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11038-11043.	7.1	74
45	Secondary structure and orientation of the amphipathic peptide GALA in lipid structures. An infrared-spectroscopic approach. <i>FEBS Journal</i> , 1991, 195, 421-429.	0.2	69
46	A lipid-mediated conformational switch modulates the thermosensing activity of DesK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3579-3584.	7.1	69
47	Protonation drives the conformational switch in the multidrug transporter LmrP. <i>Nature Chemical Biology</i> , 2014, 10, 149-155.	8.0	68
48	Interactions between Phosphatidylethanolamine Headgroup and LmrP, a Multidrug Transporter. <i>Journal of Biological Chemistry</i> , 2008, 283, 9369-9376.	3.4	66
49	Characterization of the Sequence of Interactions of the Fusion Domain of the Simian Immunodeficiency Virus with Membranes. <i>Journal of Biological Chemistry</i> , 1999, 274, 29951-29959.	3.4	65
50	The 21-residue surfactant peptide (LysLeu ₄ Lys(KL ₄)) is a transmembrane α -helix with a mixed nonpolar/polar surface. <i>FEBS Letters</i> , 1996, 384, 185-188.	2.8	64
51	Purification of IpaC, a protein involved in entry of <i>Shigella flexneri</i> into epithelial cells and characterization of its interaction with lipid membranes. <i>FEBS Letters</i> , 1997, 400, 149-154.	2.8	58
52	Amide-Proton Exchange of Water-Soluble Proteins of Different Structural Classes Studied at the Submolecular Level by Infrared Spectroscopy. <i>Biochemistry</i> , 1997, 36, 13603-13610.	2.5	58
53	Evaluation of the secondary structure of apo B-100 in low-density lipoprotein (LDL) by infrared spectroscopy. <i>Lipids and Lipid Metabolism</i> , 1989, 1006, 147-150.	2.6	57
54	Lipid membrane binding of NK-lysin. <i>FEBS Letters</i> , 1998, 425, 341-344.	2.8	57

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55	Sensor applications of attenuated total reflection infrared spectroscopy. <i>Talanta</i> , 2005, 65, 1132-1142.	5.5	57
56	Molecular modeling of the amphipathic helices of the plasma apolipoproteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992, 13, 246-257.	2.6	56
57	Hydrogen/Deuterium Exchange Kinetics of Apolipoprotein-III in Lipid-free and Phospholipid-bound States. <i>Journal of Biological Chemistry</i> , 1996, 271, 23089-23095.	3.4	56
58	Theoretical conformational analysis of phospholipids bilayers. <i>Biochemical and Biophysical Research Communications</i> , 1981, 103, 301-310.	2.1	55
59	Sequence and Structure of the Membrane-Associated Peptide of Glycophorin A. <i>Biochemistry</i> , 1994, 33, 6902-6910.	2.5	53
60	Alignment of the Apolipoprotein-III α -Helices in Complex with Dimyristoylphosphatidylcholine. <i>Journal of Biological Chemistry</i> , 1995, 270, 12542-12547.	3.4	52
61	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. <i>Molecular Therapy</i> , 2003, 8, 264-273.	8.2	52
62	Secondary structure of the membrane-bound form of the pore-forming domain of colicin A. An attenuated total-reflection polarized Fourier-transform infrared spectroscopy study. <i>FEBS Journal</i> , 1991, 202, 1299-1305.	0.2	50
63	Biophysical and Structural Properties of DNA-d(C14)-amidine Complexes. <i>Journal of Biological Chemistry</i> , 2000, 275, 29533-29538.	3.4	50
64	Membrane Interactions of Mutated Forms of the Influenza Fusion Peptide. <i>Biochemistry</i> , 2001, 40, 8800-8807.	2.5	50
65	Infrared spectroscopy as a tool for discrimination between sensitive and multiresistant K562 cells. <i>FEBS Journal</i> , 2002, 269, 1968-1973.	0.2	50
66	Papaya glutamine cyclase, a plant enzyme highly resistant to proteolysis, adopts an all-beta conformation. <i>FEBS Journal</i> , 1998, 258, 214-222.	0.2	49
67	Hydrogen-Deuterium Exchange of Streptavidin and Its Complex with Biotin Studied by 2D-Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 1999, 121, 5115-5122.	13.7	48
68	Localization in diphtheria toxin fragment B of a region that induces pore formation in planar lipid bilayers at low pH. <i>FEBS Letters</i> , 1983, 160, 82-86.	2.8	46
69	Interaction with a lipid membrane: a key step in bacterial toxins virulence. <i>International Journal of Biological Macromolecules</i> , 1997, 21, 285-298.	7.5	46
70	Fourier Transform Infrared Spectroscopy Study of the Secondary Structure of the Gastric H ⁺ ,K ⁺ -ATPase and of Its Membrane-associated Proteolytic Peptides. <i>Journal of Biological Chemistry</i> , 1997, 272, 262-270.	3.4	45
71	Monitoring Structural Stability of Trypsin Inhibitor at the Submolecular Level by Amide- ¹⁵ N Proton Exchange Using Fourier Transform Infrared Spectroscopy: A Test Case for More General Application. <i>Biochemistry</i> , 1997, 36, 13593-13602.	2.5	44
72	Structure and Orientation of Two Voltage-dependent Anion-selective Channel Isoforms. <i>Journal of Biological Chemistry</i> , 2000, 275, 40992-40999.	3.4	44

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73	Analysis of 1H/2H Exchange Kinetics Using Model Infrared Spectra. <i>Applied Spectroscopy</i> , 2004, 58, 68-82.	2.2	44
74	Secondary structure and orientation of a chemically synthesized mitochondrial signal sequence in phospholipid bilayers. <i>Biochemical and Biophysical Research Communications</i> , 1989, 158, 610-616.	2.1	43
75	Conformational Changes in Aerolysin during the Transition from the Water-Soluble Protoxin to the Membrane Channel. <i>Biochemistry</i> , 1997, 36, 15224-15232.	2.5	43
76	Role of Intracellular Cationic Liposome-DNA Complex Dissociation in Transfection Mediated by Cationic Lipids. <i>DNA and Cell Biology</i> , 2002, 21, 91-97.	1.9	43
77	Structural and Functional Asymmetry of the Nucleotide-binding Domains of P-glycoprotein Investigated by Attenuated Total Reflection Fourier Transform Infrared Spectroscopy. <i>Journal of Biological Chemistry</i> , 2002, 277, 5008-5016.	3.4	43
78	Rationally selected basis proteins: A new approach to selecting proteins for spectroscopic secondary structure analysis. <i>Protein Science</i> , 2003, 12, 2015-2031.	7.6	43
79	Activation of innate immunity by lysozyme fibrils is critically dependent on cross- β^2 sheet structure. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2999-3012.	5.4	43
80	Diphtheria toxin induces fusion of small unilamellar vesicles at low pH. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 775, 31-36.	2.6	42
81	Relevance of Protein Thin Films Prepared for Attenuated Total Reflection Fourier Transform Infrared Spectroscopy: Significance of the pH. <i>Applied Spectroscopy</i> , 1996, 50, 1519-1527.	2.2	42
82	Mode of insertion of praziquantel and derivatives into lipid membranes. <i>Biochemical Pharmacology</i> , 1988, 37, 1615-1623.	4.4	41
83	Common Properties of Fusion Peptides from Diverse Systems. <i>Bioscience Reports</i> , 2000, 20, 483-500.	2.4	41
84	Molecular Restructuring of Water and Lipids upon the Interaction of DNA with Lipid Monolayers. <i>Journal of the American Chemical Society</i> , 2010, 132, 8037-8047.	13.7	40
85	Human immunodeficiency virus type-1-specific immune responses induced by DNA vaccination are greatly enhanced by mannan-coated diC14-amidine. <i>European Journal of Immunology</i> , 1997, 27, 3121-3129.	2.9	39
86	Furin and proprotein convertase 7 (PC7)/lymphoma PC endogenously expressed in rat liver can be resolved into distinct post-Golgi compartments. <i>Biochemical Journal</i> , 1998, 336, 311-316.	3.7	39
87	Intracellular Visualization of BrdU-labeled Plasmid DNA/Cationic Liposome Complexes. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 1159-1166.	2.5	39
88	Role of the N-terminal peptides of viral envelope proteins in membrane fusion. <i>Advanced Drug Delivery Reviews</i> , 1999, 38, 233-255.	13.7	39
89	Secondary and Tertiary Structure Changes of Reconstituted LmrA Induced by Nucleotide Binding or Hydrolysis. <i>Journal of Biological Chemistry</i> , 2000, 275, 10962-10967.	3.4	39
90	Structure and Dynamics of the Membrane-Embedded Domain of LmrA Investigated by Coupling Polarized ATR-FTIR Spectroscopy and 1H/2H Exchange. <i>Biochemistry</i> , 2001, 40, 11876-11886.	2.5	38

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91	Role of the quinone structure in the mitochondrial damage induced by antitumor anthracyclines. <i>FEBS Letters</i> , 1983, 155, 267-272.	2.8	37
92	Glucocorticoids Alter the Lipid and Protein Composition of Membrane Rafts of a Murine T Cell Hybridoma. <i>Journal of Immunology</i> , 2003, 170, 2932-2939.	0.8	37
93	Interactions Involved in the Realignment of Membrane-associated Helices. <i>Journal of Biological Chemistry</i> , 2006, 281, 7708-7716.	3.4	37
94	Lipid Composition Regulates the Orientation of Transmembrane Helices in HorA, an ABC Multidrug Transporter. <i>Journal of Biological Chemistry</i> , 2010, 285, 14144-14151.	3.4	37
95	Topology of diphtheria toxin B fragment inserted in lipid vesicles. <i>Molecular Microbiology</i> , 1994, 11, 43-50.	2.5	36
96	Characterization of the interaction of IpaB and IpaD, proteins required for entry of <i>Shigella flexneri</i> into epithelial cells, with a lipid membrane. <i>FEBS Journal</i> , 2000, 267, 5769-5776.	0.2	36
97	Lipid Mixing between Lipoplexes and Plasma Lipoproteins Is a Major Barrier for Intravenous Transfection Mediated by Cationic Lipids. <i>Journal of Biological Chemistry</i> , 2005, 280, 12255-12261.	3.4	36
98	ATR-FTIR Analysis of Amyloid Proteins. <i>Methods in Molecular Biology</i> , 2018, 1777, 69-81.	0.9	36
99	Structure and interaction of VacA of <i>Helicobacter pylori</i> with a lipid membrane. <i>FEBS Journal</i> , 2000, 267, 104-109.	0.2	34
100	Protein-induced Fusion Can Be Modulated by Target Membrane Lipids through a Structural Switch at the Level of the Fusion Peptide. <i>Journal of Biological Chemistry</i> , 2000, 275, 3936-3942.	3.4	34
101	Multidrug Resistance Protein MRP1 Reconstituted into Lipid Vesicles: Secondary Structure and Nucleotide-Induced Tertiary Structure Changes. <i>Biochemistry</i> , 2000, 39, 13026-13033.	2.5	34
102	Membrane Molecule Reorientation in an Electric Field Recorded by Attenuated Total Reflection Fourier-Transform Infrared Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 324-330.	0.5	34
103	Biophysical and Transfection Studies of the diC14-Amidine/DNA Complex. <i>Biophysical Journal</i> , 2002, 82, 3105-3117.	0.5	34
104	Orientation and mode of lipid-binding interaction of human apolipoprotein E C-terminal domain. <i>Biochemical Journal</i> , 2005, 387, 747-754.	3.7	34
105	Specific interaction between concanavalin a and glycolipids incorporated into planar bilayer membranes. <i>Biochemical and Biophysical Research Communications</i> , 1976, 72, 709-713.	2.1	33
106	In-vivo and in-vitro mitochondrial membrane damages induced in mice by adriamycin and derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1149, 79-85.	2.6	33
107	Fourier Transform Infrared Spectroscopy Study of the Secondary Structure of the Reconstituted <i>Neurospora crassa</i> Plasma Membrane H ⁺ -ATPase and of Its Membrane-associated Proteolytic Peptides. <i>Journal of Biological Chemistry</i> , 1995, 270, 17685-17696.	3.4	33
108	Structural Properties of the Putative Fusion Peptide of Fertilin, a Protein Active in Sperm-Egg Fusion, upon Interaction with the Lipid Bilayer. <i>Biochemistry</i> , 1998, 37, 17030-17039.	2.5	33

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109	Purification and Characterization of Two Voltage-Dependent Anion Channel Isoforms from Plant Seeds. <i>Plant Physiology</i> , 2000, 124, 1181-1190.	4.8	33
110	Identification of Specific Lipid-binding Sites in Integral Membrane Proteins. <i>Journal of Biological Chemistry</i> , 2010, 285, 10519-10526.	3.4	33
111	Membrane Fusion Induced by 11-mer Anionic and Cationic Peptides: A Structure~Function Study. <i>Biochemistry</i> , 1998, 37, 2361-2371.	2.5	31
112	Saturation of acyl chains converts cardiolipin from an antagonist to an activator of Toll-like receptor-4. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3667-3678.	5.4	31
113	Structure and Interaction of PA63 and EF (Edema Toxin) of <i>Bacillus anthracis</i> with Lipid Membrane. <i>Biochemistry</i> , 1997, 36, 14906-14913.	2.5	30
114	Free cationic liposomes inhibit the inflammatory response to cationic lipid~DNA complex injected intravenously and enhance its transfection efficiency. <i>Molecular Therapy</i> , 2003, 7, 81-88.	8.2	30
115	Lipid phase separation mediates binding of porcine pancreatic phospholipase A2 to its substrate. <i>Biochemical and Biophysical Research Communications</i> , 1981, 101, 1410-1418.	2.1	29
116	The complete amino acid sequence of diphtheria toxin fragment B. Correlation with its lipid-binding properties. <i>BBA - Proteins and Proteomics</i> , 1985, 827, 45-50.	2.1	29
117	Fusogenic activity of cationic lipids and lipid shape distribution. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 483-494.	5.4	29
118	Large supramolecular structures of 33-mer gliadin peptide activate toll-like receptors in macrophages. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1417-1427.	3.3	29
119	A CNBR peptide located in the middle region of diphtheria toxin fragment B induces conductance change in lipid bilayers. <i>Biochemical and Biophysical Research Communications</i> , 1981, 99, 358-363.	2.1	28
120	Secondary Structure of Anthrax Lethal Toxin Proteins and Their Interaction with Large Unilamellar Vesicles: A Fourier-Transform Infrared Spectroscopy Approach. <i>Biochemistry</i> , 1996, 35, 14939-14946.	2.5	28
121	Structural and Metal Binding Characterization of the C-Terminal Metallochaperone Domain of Membrane Fusion Protein SilB from <i>Cupriavidus metallidurans</i> CH34. <i>Biochemistry</i> , 2011, 50, 2194-2204.	2.5	28
122	Critical residues involved in Toll-like receptor 4 activation by cationic lipid nanocarriers are not located at the lipopolysaccharide-binding interface. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3971-3982.	5.4	28
123	Characterization by Nano-Infrared Spectroscopy of Individual Aggregated Species of Amyloid Proteins. <i>Molecules</i> , 2020, 25, 2899.	3.8	28
124	Phosphorylation-induced Conformational Changes of Cystic Fibrosis Transmembrane Conductance Regulator Monitored by Attenuated Total Reflection-Fourier Transform IR Spectroscopy and Fluorescence Spectroscopy. <i>Journal of Biological Chemistry</i> , 2004, 279, 5528-5536.	3.4	27
125	Conformational changes in gastric H ⁺ /K ⁺ -ATPase monitored by difference Fourier-transform infrared spectroscopy and hydrogen/deuterium exchange. <i>Biochemical Journal</i> , 2004, 382, 121-129.	3.7	27
126	Structural Characterization of the Amyloid Precursor Protein Transmembrane Domain and Its β -Cleavage Site. <i>ACS Omega</i> , 2017, 2, 6525-6534.	3.5	26

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127	Functional differentiation of amphiphilic helices of the apolipoproteins by hydrophobic moment analysis. <i>BBA - Proteins and Proteomics</i> , 1987, 911, 45-52.	2.1	25
128	Comparison of lipid vesicle fusion induced by the putative fusion peptide of fertilin (a protein active in) Tj ETQq0 0 0 ggBT /Overlock 10 T	2.8	25
129	Membrane Fusion Induced by a Short Fusogenic Peptide Is Assessed by Its Insertion and Orientation into Target Bilayers. <i>Biochemistry</i> , 1999, 38, 9337-9347.	2.5	25
130	Monitoring of secondary and tertiary structure changes in the gastric H ⁺ /K ⁺ -ATPase by infrared spectroscopy. <i>FEBS Journal</i> , 2001, 268, 3644-3653.	0.2	25
131	Cationic lipids as one-component vaccine adjuvants: A promising alternative to alum. <i>Journal of Controlled Release</i> , 2018, 287, 67-77.	9.9	25
132	Structural and Functional Importance of the C-Terminal Part of the Pulmonary Surfactant Polypeptide SP-C. <i>FEBS Journal</i> , 1995, 229, 465-472.	0.2	25
133	A semi-empirical conformational analysis of the interaction of n-alkanols with dipalmitoylphosphatidylcholine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 814, 227-236.	2.6	24
134	Phospholipid Species Act as Modulators in p97/p47-Mediated Fusion of Golgi Membranes. <i>Biochemistry</i> , 2002, 41, 9813-9823.	2.5	24
135	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. <i>Biophysical Journal</i> , 2004, 87, 1307-1315.	0.5	24
136	Translocation of amino acyl residues from the membrane interface to the hydrophobic core: thermodynamic model and experimental analysis using ATR-FTIR spectroscopy. <i>Molecular Membrane Biology</i> , 2006, 23, 363-374.	2.0	24
137	Comparative processing of bovine leukemia virus envelope glycoprotein gp72 by subtilisin/kexin-like mammalian convertases. <i>FEBS Letters</i> , 1997, 406, 205-210.	2.8	23
138	Considering temozolomide as a novel potential treatment for esophageal cancer. <i>Cancer</i> , 2011, 117, 2004-2016.	4.1	23
139	Vaccination with the recombinant allergen ProDer p 1 complexed with the cationic lipid DiC14-amidine prevents allergic responses to house dust mite. <i>Molecular Therapy</i> , 2005, 11, 960-968.	8.2	22
140	Cationic lipids activate cellular cascades. Which receptors are involved?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 425-430.	2.4	22
141	Cellular uptake, cytotoxicity, and transport kinetics of anthracyclines in human sensitive and multidrug-resistant K562 cells. <i>Biochemical Pharmacology</i> , 1996, 51, 1341-1348.	4.4	21
142	The cationic lipid, diC14 amidine, extends the adjuvant properties of aluminum salts through a TLR-4- and caspase-1-independent mechanism. <i>Vaccine</i> , 2012, 30, 414-424.	3.8	21
143	Topology of diphtheria toxin in lipid vesicle membranes: a proteolysis study. <i>Molecular Microbiology</i> , 1996, 21, 1283-1296.	2.5	20
144	pH dependent insertion of a diphtheria toxin B fragment peptide into the lipid membrane: A conformational analysis. <i>Biochemical and Biophysical Research Communications</i> , 1986, 136, 160-168.	2.1	19

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145	Enzymatic hydrolysis of reconstituted dimyristoylphosphatidylcholine-apo A-I complexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1151, 137-142.	2.6	18
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