

Erik Goormaghtigh

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248
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254
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ext. citations

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L-index

#	Paper	IF	Citations
248	Attenuated total reflection infrared spectroscopy of proteins and lipids in biological membranes. <i>BBA - Biomembranes</i> , 1999 , 1422, 105-85		472
247	Secondary structure and dosage of soluble and membrane proteins by attenuated total reflection Fourier-transform infrared spectroscopy on hydrated films. <i>FEBS Journal</i> , 1990 , 193, 409-20		422
246	Antiparallel beta-sheet: a signature structure of the oligomeric amyloid beta-peptide. <i>Biochemical Journal</i> , 2009 , 421, 415-23	3.8	354
245	Evaluation of the information content in infrared spectra for protein secondary structure determination. <i>Biophysical Journal</i> , 2006 , 90, 2946-57	2.9	286
244	Determination of soluble and membrane protein structure by Fourier transform infrared spectroscopy. III. Secondary structures. <i>Sub-Cellular Biochemistry</i> , 1994 , 23, 405-50	5.5	285
243	Evidence of a specific complex between adriamycin and negatively-charged phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980 , 597, 1-14	3.8	252
242	ATR-FTIR: a "rejuvenated" tool to investigate amyloid proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 2328-38	3.8	239
241	Determination of soluble and membrane protein structure by Fourier transform infrared spectroscopy. I. Assignments and model compounds. <i>Sub-Cellular Biochemistry</i> , 1994 , 23, 329-62	5.5	222
240	Amphipols from A to Z. <i>Annual Review of Biophysics</i> , 2011 , 40, 379-408	21.1	200
239	Toxic prefibrillar β -synuclein amyloid oligomers adopt a distinctive antiparallel β -sheet structure. <i>Biochemical Journal</i> , 2012 , 443, 719-26	3.8	166
238	Sensitivity of single membrane-spanning alpha-helical peptides to hydrophobic mismatch with a lipid bilayer: effects on backbone structure, orientation, and extent of membrane incorporation. <i>Biochemistry</i> , 2001 , 40, 5000-10	3.2	162
237	Structure of the adriamycin-cardiolipin complex. Role in mitochondrial toxicity. <i>Biophysical Chemistry</i> , 1990 , 35, 247-57	3.5	154
236	Anthracycline glycoside-membrane interactions. <i>BBA - Biomembranes</i> , 1984 , 779, 271-88		139
235	The optimization of protein secondary structure determination with infrared and circular dichroism spectra. <i>FEBS Journal</i> , 2004 , 271, 2937-48		137
234	Membrane helix orientation from linear dichroism of infrared attenuated total reflection spectra. <i>Biophysical Journal</i> , 1999 , 76, 552-63	2.9	133
233	Adriamycin inactivates cytochrome c oxidase by exclusion of the enzyme from its cardiolipin essential environment. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 104, 314-20	3.4	132
232	Evidence of a complex between adriamycin derivatives and cardiolipin: possible role in cardiotoxicity. <i>Biochemical Pharmacology</i> , 1980 , 29, 3003-10	6	129

231	Secondary and tertiary structure changes of reconstituted P-glycoprotein. A Fourier transform attenuated total reflection infrared spectroscopy analysis. <i>Journal of Biological Chemistry</i> , 1996 , 271, 24617-24	5.4	116
230	Differentiation of Anatolian honey samples from different botanical origins by ATR-FTIR spectroscopy using multivariate analysis. <i>Food Chemistry</i> , 2015 , 170, 234-40	8.5	112
229	Secondary Structure of Diphtheria Toxin and Its Fragments Interacting with acidic Liposomes Studied by Polarized Infrared Spectroscopy. <i>Journal of Biological Chemistry</i> , 1989 , 264, 4928-4938	5.4	112
228	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, 114-21	3.1	108
227	Determination of soluble and membrane protein structure by Fourier transform infrared spectroscopy. II. Experimental aspects, side chain structure, and H/D exchange. <i>Sub-Cellular Biochemistry</i> , 1994 , 23, 363-403	5.5	108
226	Transformation of amyloid α (1-40) oligomers into fibrils is characterized by a major change in secondary structure. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 1429-38	10.3	106
225	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	3.1	105
224	Secondary structure of diphtheria toxin and its fragments interacting with acidic liposomes studied by polarized infrared spectroscopy. <i>Journal of Biological Chemistry</i> , 1989 , 264, 4928-38	5.4	99
223	Mode of assembly of amphipathic helical segments in model high-density lipoproteins. <i>Lipids and Lipid Metabolism</i> , 1990 , 1043, 245-52		96
222	Analysis of circular dichroism spectra of oriented protein-lipid complexes: toward a general application. <i>Biochemistry</i> , 1994 , 33, 14521-8	3.2	94
221	Protein secondary structure content in solution, films and tissues: redundancy and complementarity of the information content in circular dichroism, transmission and ATR FTIR spectra. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 1332-43	4	93
220	Secondary structure and membrane interaction of PR-39, a Pro+Arg-rich antibacterial peptide. <i>FEBS Journal</i> , 1994 , 224, 1019-27		87
219	IR spectroscopy as a new tool for evidencing antitumor drug signatures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 1263-70	3.8	85
218	Intraspecific variability of cadmium tolerance and accumulation, and cadmium-induced cell wall modifications in the metal hyperaccumulator <i>Arabidopsis halleri</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 3215-27	7	83
217	Attenuated total reflection IR spectroscopy as a tool to investigate the structure, orientation and tertiary structure changes in peptides and membrane proteins. <i>Biopolymers</i> , 2000 , 55, 373-80	2.2	82
216	The low density lipoprotein receptor active conformation of apolipoprotein E. Helix organization in n-terminal domain-phospholipid disc particles. <i>Journal of Biological Chemistry</i> , 1998 , 273, 25825-30	5.4	81
215	Interactions of ciprofloxacin with DPPC and DPPG: fluorescence anisotropy, ATR-FTIR and ³¹ P NMR spectroscopies and conformational analysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 2535-43	3.8	73
214	Tertiary stability of native and methionine-80 modified cytochrome c detected by proton-deuterium exchange using on-line Fourier transform infrared spectroscopy. <i>Biochemistry</i> , 1995 , 34, 172-9	3.2	70

213	Study of the adriamycin-cardiolipin complex structure using attenuated total reflection infrared spectroscopy. <i>Biochemistry</i> , 1987 , 26, 1789-94	3.2	68
212	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, 1585-95	0.9	67
211	Mitochondrial membrane modifications induced by adriamycin-mediated electron transport. <i>Biochemical Pharmacology</i> , 1983 , 32, 889-93	6	67
210	Change in the microenvironment of breast cancer studied by FTIR imaging. <i>Analyst, The</i> , 2013 , 138, 4058-65		65
209	Monomers of the Neurospora plasma membrane H ⁺ -ATPase catalyze efficient proton translocation.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 7466-7471	5.4	65
208	Tertiary conformational changes of the Neurospora crassa plasma membrane H ⁽⁺⁾ -ATPase monitored by hydrogen/deuterium exchange kinetics. A Fourier transformed infrared spectroscopy approach.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 27409-27413	5.4	65
207	A hexameric form of the Neurospora crassa plasma membrane H ⁺ -ATPase. <i>Archives of Biochemistry and Biophysics</i> , 1987 , 252, 348-56	4.1	61
206	The FTIR spectrum of prostate cancer cells allows the classification of anticancer drugs according to their mode of action. <i>Analyst, The</i> , 2011 , 136, 1134-41	5	59
205	Secondary structure and orientation of the amphipathic peptide GALA in lipid structures. An infrared-spectroscopic approach. <i>FEBS Journal</i> , 1991 , 195, 421-9		59
204	Monomers of the Neurospora plasma membrane H ⁺ -ATPase catalyze efficient proton translocation. <i>Journal of Biological Chemistry</i> , 1986 , 261, 7466-71	5.4	58
203	Amide-proton exchange of water-soluble proteins of different structural classes studied at the submolecular level by infrared spectroscopy. <i>Biochemistry</i> , 1997 , 36, 13603-10	3.2	57
202	The papaya Kunitz-type trypsin inhibitor is a highly stable beta-sheet glycoprotein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 1063-72	4	56
201	Infrared imaging in breast cancer: automated tissue component recognition and spectral characterization of breast cancer cells as well as the tumor microenvironment. <i>Analyst, The</i> , 2014 , 139, 1044-56	5	55
200	Hydrogen/deuterium exchange kinetics of apolipoprotein III in lipid-free and phospholipid-bound states. An analysis by Fourier transform infrared spectroscopy. <i>Journal of Biological Chemistry</i> , 1996 , 271, 23089-95	5.4	55
199	Theoretical conformational analysis of phospholipids bilayers. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 103, 301-10	3.4	55
198	Tertiary conformational changes of the Neurospora crassa plasma membrane H ⁽⁺⁾ -ATPase monitored by hydrogen/deuterium exchange kinetics. A Fourier transformed infrared spectroscopy approach. <i>Journal of Biological Chemistry</i> , 1994 , 269, 27409-13	5.4	55
197	Sensor applications of attenuated total reflection infrared spectroscopy. <i>Talanta</i> , 2005 , 65, 1132-42	6.2	54
196	Lipid and peptide specificities in signal peptide-lipid interactions in model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1027, 155-62	3.8	54

195	Mechanism of inhibition of mitochondrial enzymatic complex III by adriamycin derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986 , 861, 83-94	3.8	53
194	Lipid quantification method using FTIR spectroscopy applied on cancer cell extracts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 1200-9	5	52
193	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, 147-50		52
192	Lipid membrane binding of NK-lysin. <i>FEBS Letters</i> , 1998 , 425, 341-4	3.8	51
191	Adriamycin inhibits the formation of non-bilayer lipid structures in cardiolipin-containing model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982 , 685, 137-43	3.8	51
190	Alignment of the apolipoprotein III alpha-helices in complex with dimyristoylphosphatidylcholine. A unique spatial orientation. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12542-7	5.4	50
189	Secondary structure of the particle associating domain of apolipoprotein B-100 in low-density lipoprotein by attenuated total reflection infrared spectroscopy. <i>Biochemistry</i> , 1993 , 32, 6104-10	3.2	49
188	Pulmonary surfactant protein SP-C counteracts the deleterious effects of cholesterol on the activity of surfactant films under physiologically relevant compression-expansion dynamics. <i>Biophysical Journal</i> , 2009 , 97, 2736-45	2.9	48
187	Chemometric tools for classification and elucidation of protein secondary structure from infrared and circular dichroism spectroscopic measurements. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 63, 527-41	4.2	48
186	The integrin binding site 2 (IBS2) in the talin rod domain is essential for linking integrin beta subunits to the cytoskeleton. <i>Journal of Biological Chemistry</i> , 2007 , 282, 17280-8	5.4	47
185	Simultaneous Fitting of Absorption Spectra and Their Second Derivatives for an Improved Analysis of Protein Infrared Spectra. <i>Molecules</i> , 2015 , 20, 12599-622	4.8	46
184	The effect of anticancer drugs on seven cell lines monitored by FTIR spectroscopy. <i>Analyst, The</i> , 2012 , 137, 3255-64	5	46
183	Effect of the antibiotic azithromycin on thermotropic behavior of DOPC or DPPC bilayers. <i>Chemistry and Physics of Lipids</i> , 2006 , 144, 108-16	3.7	46
182	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	16.4	46
181	Characterization of human breast cancer tissues by infrared imaging. <i>Analyst, The</i> , 2016 , 141, 606-19	5	45
180	Hydrogen-deuterium exchange in membrane proteins monitored by IR spectroscopy: a new tool to resolve protein structure and dynamics. <i>Biopolymers</i> , 2004 , 74, 19-26	2.2	45
179	Sequence and structure of the membrane-associated peptide of glycophorin A. <i>Biochemistry</i> , 1994 , 33, 6902-10	3.2	45
178	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, 1299-305		45

177	FTIR spectroscopy: a new valuable tool to classify the effects of polyphenolic compounds on cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 46-56	6.9	44
176	Surface functionalization of germanium ATR devices for use in FTIR-biosensors. <i>Journal of Colloid and Interface Science</i> , 2009 , 332, 408-15	9.3	44
175	Infrared spectroscopy as a tool for discrimination between sensitive and multiresistant K562 cells. <i>FEBS Journal</i> , 2002 , 269, 1968-73		44
174	Monitoring structural stability of trypsin inhibitor at the submolecular level by amide-proton exchange using Fourier transform infrared spectroscopy: a test case for more general application. <i>Biochemistry</i> , 1997 , 36, 13593-602	3.2	43
173	Energetics and partition of two cecropin-melittin hybrid peptides to model membranes of different composition. <i>Biophysical Journal</i> , 2008 , 94, 2128-41	2.9	41
172	Structure and orientation of two voltage-dependent anion-selective channel isoforms. An attenuated total reflection fourier-transform infrared spectroscopy study. <i>Journal of Biological Chemistry</i> , 2000 , 275, 40992-9	5.4	41
171	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	3.1	41
170	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, 262-70	5.4	40
169	Rationally selected basis proteins: a new approach to selecting proteins for spectroscopic secondary structure analysis. <i>Protein Science</i> , 2003 , 12, 2015-31	6.3	40
168	Secondary structure and orientation of a chemically synthesized mitochondrial signal sequence in phospholipid bilayers. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 158, 610-6	3.4	40
167	Breast cancer and melanoma cell line identification by FTIR imaging after formalin-fixation and paraffin-embedding. <i>Analyst, The</i> , 2013 , 138, 4083-91	5	39
166	Analysis of 1H/2H exchange kinetics using model infrared spectra. <i>Applied Spectroscopy</i> , 2004 , 58, 68-82	3.1	39
165	Structures of intermediate transport states of ZneA, a Zn(II)/proton antiporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 18484-9	11.5	38
164	Acid phospholipid vesicles produce conformational changes on the antitumour protein alpha-sarcin. <i>BBA - Proteins and Proteomics</i> , 1991 , 1080, 51-8		38
163	Structure and dynamics of the membrane-embedded domain of LmrA investigated by coupling polarized ATR-FTIR spectroscopy and (1)H/(2)H exchange. <i>Biochemistry</i> , 2001 , 40, 11876-86	3.2	36
162	Role of the quinone structure in the mitochondrial damage induced by antitumor anthracyclines. Comparison of adriamycin and 5-iminodaunorubicin. <i>FEBS Letters</i> , 1983 , 155, 267-72	3.8	36
161	FTIR spectral signature of anticancer drugs. Can drug mode of action be identified?. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016 , 1864, 85-101	4	35
160	Interactions involved in the realignment of membrane-associated helices. An investigation using oriented solid-state NMR and attenuated total reflection Fourier transform infrared spectroscopies. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7708-16	5.4	35

159	Mode of insertion of praziquantel and derivatives into lipid membranes. <i>Biochemical Pharmacology</i> , 1988 , 37, 1615-23	6	35
158	Biochemical interaction analysis on ATR devices: a wet chemistry approach for surface functionalization. <i>Langmuir</i> , 2007 , 23, 949-55	4	34
157	Infrared spectroscopy study on the conformational changes leading to pore formation of the toxin sticholysin II. <i>Biophysical Journal</i> , 2007 , 93, 3191-201	2.9	34
156	FTIR spectral signature of the effect of cardiotonic steroids with antitumoral properties on a prostate cancer cell line. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 1087-94	6.9	33
155	Characterization of the interactions between fluoroquinolone antibiotics and lipids: a multitechnique approach. <i>Biophysical Journal</i> , 2008 , 94, 3035-46	2.9	33
154	The basic helix-loop-helix region of human neurogenin 1 is a monomeric natively unfolded protein which forms a "fuzzy" complex upon DNA binding. <i>Biochemistry</i> , 2010 , 49, 1577-89	3.2	32
153	Acido-basic properties of lipophilic substances: A surface potential approach. <i>Journal of Colloid and Interface Science</i> , 1983 , 91, 546-551	9.3	32
152	A FTIR imaging characterization of fibroblasts stimulated by various breast cancer cell lines. <i>PLoS ONE</i> , 2014 , 9, e111137	3.7	32
151	Characteristics of fibers formed by cytochrome c and induced by anionic phospholipids. <i>Biochemistry</i> , 2006 , 45, 13447-53	3.2	31
150	Second-generation octarellins: two new de novo (beta/alpha) ₈ polypeptides designed for investigating the influence of beta-residue packing on the alpha/beta-barrel structure stability. <i>Protein Engineering, Design and Selection</i> , 1995 , 8, 249-59	1.9	31
149	The infrared spectrum of human glioma cells is related to their in vitro and in vivo behavior. <i>Experimental Cell Research</i> , 2004 , 297, 294-301	4.2	30
148	Membrane molecule reorientation in an electric field recorded by attenuated total reflection Fourier-transform infrared spectroscopy. <i>Biophysical Journal</i> , 2001 , 80, 324-30	2.9	30
147	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, 17685-96	5.4	30
146	Spectroscopic investigation of structure in octarellin (a de novo protein designed to adopt the alpha/beta-barrel packing). <i>Protein Engineering, Design and Selection</i> , 1991 , 4, 745-9	1.9	30
145	Infrared imaging of primary melanomas reveals hints of regional and distant metastases. <i>Analyst, The</i> , 2015 , 140, 2144-55	5	28
144	Lipid phase separation mediates binding of porcine pancreatic phospholipase A2 to its substrate. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 101, 1410-8	3.4	28
143	Attenuated total reflection IR spectroscopy as a tool to investigate the orientation and tertiary structure changes in fusion proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1614, 97-103	3.8	27
142	Cell discrimination by attenuated total reflection-Fourier transform infrared spectroscopy: the impact of preprocessing of spectra. <i>Applied Spectroscopy</i> , 2006 , 60, 1022-8	3.1	26

141	Evidence of an intramolecular interaction between the two domains of the BlaR1 penicillin receptor during the signal transduction. <i>Journal of Biological Chemistry</i> , 2004 , 279, 14264-72	5.4	26
140	Orientation and mode of lipid-binding interaction of human apolipoprotein E C-terminal domain. <i>Biochemical Journal</i> , 2005 , 387, 747-54	3.8	26
139	Conformational changes in gastric H ⁺ /K ⁺ -ATPase monitored by difference Fourier-transform infrared spectroscopy and hydrogen/deuterium exchange. <i>Biochemical Journal</i> , 2004 , 382, 121-9	3.8	25
138	Damages of the mitochondrial membrane in Adriamycin treated mice. <i>Cancer Letters</i> , 1984 , 25, 89-96	9.9	25
137	In vivo and in vitro modifications of the mitochondrial membrane induced by 4REpi-adriamycin. <i>Biochemical Pharmacology</i> , 1986 , 35, 2923-8	6	25
136	HER2 biosensing through SPR-envelope tracking in plasmonic optical fiber gratings. <i>Biomedical Optics Express</i> , 2020 , 11, 4862-4871	3.5	25
135	Discrimination of breast cancer from benign tumours using Raman spectroscopy. <i>PLoS ONE</i> , 2019 , 14, e0212376	3.7	25
134	Characterization of a potent human interleukin-11 agonist. <i>Biochemical Journal</i> , 2003 , 375, 23-32	3.8	24
133	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, 5528-36	5.4	24
132	Spectral and enzymatic properties of human recombinant myeloperoxidase: comparison with the mature enzyme. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 291, 132-8	4.1	24
131	Monitoring of secondary and tertiary structure changes in the gastric H ⁺ /K ⁺ -ATPase by infrared spectroscopy. <i>FEBS Journal</i> , 2001 , 268, 3644-53		23
130	Transmembrane helix stability: the effect of helix-helix interactions studied by Fourier transform infrared spectroscopy. <i>Biophysical Journal</i> , 1998 , 74, 988-94	2.9	23
129	The mode of insertion of the paramyxovirus F1 N-terminus into lipid matrix, an initial step in host cell/virus fusion. <i>Virus Genes</i> , 1988 , 1, 325-32	2.3	23
128	Organization and dynamics of Fas transmembrane domain in raft membranes and modulation by ceramide. <i>Biophysical Journal</i> , 2011 , 101, 1632-41	2.9	22
127	Identification of melanoma cells and lymphocyte subpopulations in lymph node metastases by FTIR imaging histopathology. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 202-12	6.9	21
126	Ouabain-induced modifications of prostate cancer cell lipidome investigated with mass spectrometry and FTIR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 597-605 ^{3.8}		21
125	Effects of the confluence rate on the FTIR spectrum of PC-3 prostate cancer cells in culture. <i>Analyst, The</i> , 2010 , 135, 3048-51	5	21
124	Cholesterol modulates the exposure and orientation of pulmonary surfactant protein SP-C in model surfactant membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 1907-15	3.8	21

123	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, 363-74	3.4	21
122	Filipin orientation revealed by linear dichroism. Implication for a model of action. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5396-402	16.4	21
121	Density-based separation of liposomes by glycerol gradient centrifugation. <i>Analytical Biochemistry</i> , 1986 , 159, 122-31	3.1	21
120	Evaluation of the anesthetic-lipid association constant. A monolayer approach. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982 , 685, 169-76	3.8	21
119	Multimodal plasmonic optical fiber grating aptasensor. <i>Optics Express</i> , 2020 , 28, 7539-7551	3.3	21
118	Infrared imaging of MDA-MB-231 breast cancer cell line phenotypes in 2D and 3D cultures. <i>Analyst, The</i> , 2015 , 140, 2336-43	5	20
117	Discrimination between healthy and tumor tissues on formalin-fixed paraffin-embedded breast cancer samples using IR imaging. <i>Spectroscopy</i> , 2010 , 24, 67-72		20
116	Lipid-drug electrostatic interactions in model membranes. <i>Journal of Colloid and Interface Science</i> , 1981 , 80, 163-170	9.3	20
115	The topology of the S protein in the yeast-derived hepatitis B surface antigen particles.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 25637-25645	5.4	20
114	A new dimension for cell identification by FTIR spectroscopy: depth profiling in attenuated total reflection. <i>Analyst, The</i> , 2013 , 138, 4070-5	5	19
113	A semi-empirical conformational analysis of the interaction of n-alkanols with dipalmitoylphosphatidylcholine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985 , 814, 227-236	3.8	19
112	Aptamer-based molecular recognition of lysergamine, metergoline and small ergot alkaloids. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 17138-59	6.3	18
111	FTIR spectral signature of anticancer drug effects on PC-3 cancer cells: is there any influence of the cell cycle?. <i>Analyst, The</i> , 2013 , 138, 3998-4005	5	18
110	Infrared imaging of high density protein arrays. <i>Analyst, The</i> , 2017 , 142, 1371-1380	5	17
109	Palmitoylation as a key factor to modulate SP-C-lipid interactions in lung surfactant membrane multilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 184-91	3.8	17
108	FTIR spectroscopy as an analytical tool to compare glycosylation in therapeutic monoclonal antibodies. <i>Analytica Chimica Acta</i> , 2020 , 1112, 62-71	6.6	17
107	Deciphering the biochemical similarities and differences among mouse embryonic stem cells, somatic and cancer cells using ATR-FTIR spectroscopy. <i>Analyst, The</i> , 2018 , 143, 1624-1634	5	17
106	Fourier transform infrared spectroscopy study of the secondary and tertiary structure of the reconstituted Na ⁺ /Ca ²⁺ exchanger 70-kDa polypeptide. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15510-8	5.4	17

105	The topology of the S protein in the yeast-derived hepatitis B surface antigen particles. <i>Journal of Biological Chemistry</i> , 1994 , 269, 25637-45	5.4	17
104	Analysis of protein microarrays by FTIR imaging. <i>Biomedical Spectroscopy and Imaging</i> , 2016 , 5, 145-154	1.3	16
103	Infrared imaging in histopathology: Is a unified approach possible?. <i>Biomedical Spectroscopy and Imaging</i> , 2017 , 5, 325-346	1.3	16
102	Time dependence of cellular chemical changes induced in prostate PC-3 cancer cells by two structurally related cardenolides monitored by Fourier transform infrared (FT-IR) spectroscopy. <i>Applied Spectroscopy</i> , 2011 , 65, 584-94	3.1	16
101	Ligand-receptor interactions in complex media: a new type of biosensors for the detection of coagulation factor VIII. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1831-6	11.8	16
100	Secondary structure changes of diphtheria toxin interacting with asolectin liposomes: an infrared spectroscopy study. <i>Biochimie</i> , 1989 , 71, 153-8	4.6	16
99	Atmospheric Pressure Plasma Deposition of Hydrophilic/Phobic Patterns and Thin Film Laminates on Any Surface. <i>Langmuir</i> , 2019 , 35, 9677-9683	4	15
98	Influence of Solubilizing Group Removal Rate on the Morphology and Crystallinity of a Diketopyrrolopyrrole-Based Compound. <i>Crystal Growth and Design</i> , 2014 , 14, 339-349	3.5	15
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