Kenneth J Rothschild

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139 papers	6,830 citations	47 h-index	78 g-index
144 ext. papers	7,159 ext. citations	5.3 avg, IF	5.27 L-index

#	Paper	IF	Citations
139	The crystal structure of bromide-bound ACR1 reveals a pre-activated state in the transmembrane anion tunnel. *ELife*, **2021**, 10,	8.9	4
138	Optical Switching Between Long-lived States of Opsin Transmembrane Voltage Sensors. *Photochemistry and Photobiology*, **2021**, 97, 1001-1015	3.6	0
137	Highly Multiplexed Immunohistochemical MALDI-MS Imaging of Biomarkers in Tissues. *Journal of the American Society for Mass Spectrometry*, **2021**, 32, 977-988	3.5	8
136	Analog Retinal Redshifts Visible Absorption of QuasAr Transmembrane Voltage Sensors into Near-infrared. *Photochemistry and Photobiology*, **2020**, 96, 55-66	3.6	2
135	Redshifted and Near-infrared Active Analog Pigments Based upon Archaerhodopsin-3. *Photochemistry and Photobiology*, **2019**, 95, 959-968	3.6	8
134	Electronic Preresonance Stimulated Raman Scattering Imaging of Red-Shifted Proteorhodopsins: Toward Quantitation of the Membrane Potential. *Journal of Physical Chemistry Letters*, **2019**, 10, 4374-4381	6.4	5
133	Resolution extension by image summing in serial femtosecond crystallography of two-dimensional membrane-protein crystals. *IUCrJ*, **2018**, 5, 103-117	4.7	7
132	Photocleavage-based affinity purification of biomarkers from serum: Application to multiplex allergy testing. *PLoS ONE*, **2018**, 13, e0191987	3.7	0
131	Raman spectroscopy of a near infrared absorbing proteorhodopsin: Similarities to the bacteriorhodopsin O photointermediate. *PLoS ONE*, **2018**, 13, e0209506	3.7	8
130	Structural Changes in an Anion Channelrhodopsin: Formation of the K and L Intermediates at 80 K. *Biochemistry*, **2017**, 56, 2197-2208	3.2	9
129	The early development and application of FTIR difference spectroscopy to membrane proteins: A personal perspective. *Biomedical Spectroscopy and Imaging*, **2016**, 5, 231-267	1.3	12
128	Proteome-wide drug screening using mass spectrometric imaging of bead-arrays. *Scientific Reports*, **2016**, 6, 26125	4.9	9
127	Resonance Raman Study of an Anion Channelrhodopsin: Effects of Mutations near the Retinylidene Schiff Base. *Biochemistry*, **2016**, 55, 2371-80	3.2	20
126	Anti-kelch-like 12 and anti-hexokinase 1: novel autoantibodies in primary biliary cirrhosis. *Liver International*, **2015**, 35, 642-51	7.9	48
125	Proton transfers in a channelrhodopsin-1 studied by Fourier transform infrared (FTIR) difference spectroscopy and site-directed mutagenesis. *Journal of Biological Chemistry*, **2015**, 290, 12719-30	5.4	18
124	Comparison of the structural changes occurring during the primary phototransition of two different channelrhodopsins from Chlamydomonas algae. *Biochemistry*, **2015**, 54, 377-88	3.2	14
123	Correlated matrix-assisted laser desorption/ionization mass spectrometry and fluorescent imaging of photocleavable peptide-coded random bead-arrays. *Rapid Communications in Mass Spectrometry*, **2014**, 28, 49-62	2.2	7

122	Retinal chromophore structure and Schiff base interactions in red-shifted channelrhodopsin-1 from Chlamydomonas augustae. *Biochemistry*, **2014**, 53, 3961-70	3.2	26
121	Multiplexed VeraCode bead-based serological immunoassay for colorectal cancer. *Journal of Immunological Methods*, **2013**, 400-401, 58-69	2.5	13
120	Conformational changes in the archaerhodopsin-3 proton pump: detection of conserved strongly hydrogen bonded water networks. *Journal of Biological Physics*, **2012**, 38, 153-68	1.6	14
119	Ultrasensitive measurements of microbial rhodopsin photocycles using photochromic FRET. *Photochemistry and Photobiology*, **2012**, 88, 90-7	3.6	23
118	Near-IR resonance Raman spectroscopy of archaerhodopsin 3: effects of transmembrane potential. *Journal of Physical Chemistry B*, **2012**, 116, 14592-601	3.4	25
117	An ELISA-based high throughput protein truncation test for inherited breast cancer. *Breast Cancer Research*, **2010**, 12, R78	8.3	13
116	His-75 in proteorhodopsin, a novel component in light-driven proton translocation by primary pumps. *Journal of Biological Chemistry*, **2009**, 284, 2836-2843	5.4	64
115	Active water in protein-protein communication within the membrane: the case of SRII-HtrII signal relay. *Biochemistry*, **2009**, 48, 811-3	3.2	6
114	Different structural changes occur in blue- and green-proteorhodopsins during the primary photoreaction. *Biochemistry*, **2008**, 47, 11490-8	3.2	12
113	Raman spectroscopy reveals direct chromophore interactions in the Leu/Gln105 spectral tuning switch of proteorhodopsins. *Journal of Physical Chemistry B*, **2008**, 112, 11770-6	3.4	33
112	Protonation state of Glu142 differs in the green- and blue-absorbing variants of proteorhodopsin. *Biochemistry*, **2008**, 47, 3447-53	3.2	26
111	Cell-free co-expression of functional membrane proteins and apolipoprotein, forming soluble nanolipoprotein particles. *Molecular and Cellular Proteomics*, **2008**, 7, 2246-53	7.6	93
110	Photocleavage-based affinity purification and printing of cell-free expressed proteins: application to proteome microarrays. *Analytical Biochemistry*, **2008**, 383, 103-15	3.1	9
109	Subpicosecond protein backbone changes detected during the green-absorbing proteorhodopsin primary photoreaction. *Journal of Physical Chemistry B*, **2007**, 111, 11824-31	3.4	25
108	A Fourier Transform Infrared Study of Neurospora Rhodopsin: Similarities with Archaeal Rhodopsins *Photochemistry and Photobiology*, **2007**, 76, 341-349	3.6	4
107	Conformational changes in the photocycle of Anabaena sensory rhodopsin: absence of the Schiff base counterion protonation signal. *Journal of Biological Chemistry*, **2006**, 281, 15208-14	5.4	40
106	Cell-free protein synthesis systems: biotechnological applications. *Biotechnology and Genetic Engineering Reviews*, **2006**, 22, 151-69	4.1	2
105	Conformational dynamics of amyloid beta-protein assembly probed using intrinsic fluorescence. *Biochemistry*, **2005**, 44, 13365-76	3.2	58

104	N-terminal labeling of proteins using initiator tRNA. *Methods*, **2005**, 36, 252-60	4.6	21
103	Photoactivation perturbs the membrane-embedded contacts between sensory rhodopsin II and its transducer. *Journal of Biological Chemistry*, **2005**, 280, 28365-9	5.4	35
102	Cell-free N-terminal protein labeling using initiator suppressor tRNA. *Analytical Biochemistry*, **2004**, 326, 25-32	3.1	42
101	Structural changes in the photoactive site of proteorhodopsin during the primary photoreaction. *Biochemistry*, **2004**, 43, 9075-83	3.2	55
100	Protein Truncation Test (PTT) **2004**, 1089-1094		
99	A high-throughput nonisotopic protein truncation test. *Nature Biotechnology*, **2003**, 21, 194-7	44.5	48
98	Methionine changes in bacteriorhodopsin detected by FTIR and cell-free selenomethionine substitution. *Biophysical Journal*, **2003**, 84, 960-6	2.9	17
97	Conformational changes detected in a sensory rhodopsin II-transducer complex. *Journal of Biological Chemistry*, **2003**, 278, 36556-62	5.4	43
96	Photochemical control of the infectivity of adenoviral vectors using a novel photocleavable biotinylation reagent. *Chemistry and Biology*, **2002**, 9, 567-73		16
95	A Fourier transform infrared study of Neurospora rhodopsin: similarities with archaeal rhodopsins. *Photochemistry and Photobiology*, **2002**, 76, 341-9	3.6	33
94	Ultrasensitive fluorescence-based detection of nascent proteins in gels. *Analytical Biochemistry*, **2000**, 279, 218-25	3.1	56
93	FTIR analysis of the SII540 intermediate of sensory rhodopsin II: Asp73 is the Schiff base proton acceptor. *Biochemistry*, **2000**, 39, 2823-30	3.2	37
92	Photocleavable peptide-DNA conjugates: synthesis and applications to DNA analysis using MALDI-MS. *Nucleic Acids Research*, **1999**, 27, 4626-31	20.1	32
91	Matrix-assisted laser desorption/ionization mass spectrometry of DNA using photocleavable biotin. *New Biotechnology*, **1999**, 16, 127-33		11
90	tRNA-mediated protein engineering. *Current Opinion in Biotechnology*, **1999**, 10, 64-70	11.4	22
89	Probing intramolecular orientations in rhodopsin and metarhodopsin II by polarized infrared difference spectroscopy. *Biochemistry*, **1999**, 38, 13200-9	3.2	16
88	Photoactivation of rhodopsin: interplay between protein and chromophore. *Novartis Foundation Symposium*, **1999**, 224, 102-18; discussion 118-23		2
87	Detection of threonine structural changes upon formation of the M-intermediate of bacteriorhodopsin: evidence for assignment to Thr-89. *Biochimica Et Biophysica Acta - Bioenergetics*, **1998**, 1365, 363-72	4.6	6

86	Conformational changes in the core structure of bacteriorhodopsin. *Biochemistry*, **1998**, 37, 10279-85	3.2	23
85	Photoactivation of rhodopsin causes an increased hydrogen-deuterium exchange of buried peptide groups. *Biophysical Journal*, **1998**, 74, 192-8	2.9	41
84	Photocleavable aminotag phosphoramidites for 5Stermini DNA/RNA labeling. *Nucleic Acids Research*, **1998**, 26, 3572-6	20.1	20
83	Photocleavable affinity tags for isolation and detection of biomolecules. *Methods in Enzymology*, **1998**, 291, 135-54	1.7	19
82	Tyrosine structural changes detected during the photoactivation of rhodopsin. *Journal of Biological Chemistry*, **1998**, 273, 23735-9	5.4	36
81	Threonine-89 participates in the active site of bacteriorhodopsin: evidence for a role in color regulation and Schiff base proton transfer. *Biochemistry*, **1997**, 36, 7490-7	3.2	16
80	A biophysical study of integral membrane protein folding. *Biochemistry*, **1997**, 36, 15156-76	3.2	163
79	Spontaneous, pH-dependent membrane insertion of a transbilayer alpha-helix. *Biochemistry*, **1997**, 36, 15177-92	3.2	204
78	Similarity of bacteriorhodopsin structural changes triggered by chromophore removal and light-driven proton transport. *FEBS Letters*, **1997**, 407, 285-8	3.8	12
77	Fourier transform infrared spectroscopy and site-directed isotope labeling as a probe of local secondary structure in the transmembrane domain of phospholamban. *Biophysical Journal*, **1996**, 70, 1728-36	2.9	77
76	Asp76 is the Schiff base counterion and proton acceptor in the proton-translocating form of sensory rhodopsin I. *Biochemistry*, **1996**, 35, 6690-6	3.2	42
75	Site-directed isotope labeling of membrane proteins: A new tool for spectroscopists. *Techniques in Protein Chemistry*, **1996**, 7, 151-159		1
74	Photocleavable biotin phosphoramidite for 5Send-labeling, affinity purification and phosphorylation of synthetic oligonucleotides. *Nucleic Acids Research*, **1996**, 24, 361-6	20.1	51
73	Protein conformational changes during the bacteriorhodopsin photocycle. A Fourier transform infrared/resonance Raman study of the alkaline form of the mutant Asp-85-->Asn. *Journal of Biological Chemistry*, **1995**, 270, 29746-51	5.4	10
72	Site-Directed Isotope Labeling and FT-IR Spectroscopy: The Tyr 185/Pro 186 Peptide Bond of Bacteriorhodopsin Is Perturbed during the Primary Photoreaction. *Journal of the American Chemical Society*, **1995**, 117, 11614-11615	16.4	15
71	Site-directed isotope labeling and ATR-FTIR difference spectroscopy of bacteriorhodopsin: the peptide carbonyl group of Tyr 185 is structurally active during the bR-->N transition. *Biochemistry*, **1995**, 34, 2-6	3.2	82
70	Asp 46 can substitute Asp 96 as the Schiff base proton donor in bacteriorhodopsin. *Biochemistry*, **1995**, 34, 15599-606	3.2	6
69	Structural model of the phospholamban ion channel complex in phospholipid membranes. *Journal of Molecular Biology*, **1995**, 248, 824-34	6.5	118

68	Site-directed isotope labeling and FTIR spectroscopy: assignment of tyrosine bands in the bR-->M difference spectrum of bacteriorhodopsin. *Biophysical Chemistry*, **1995**, 56, 63-70	3.5	21
67	Effect of carboxyl mutations on functional properties of bovine rhodopsin. *Biophysical Chemistry*, **1995**, 56, 79-87	3.5	42
66	Site-directed isotope labelling and FTIR spectroscopy of bacteriorhodopsin. *Nature Structural Biology*, **1994**, 1, 512-7		59
65	Photoactivation of rhodopsin involves alterations in cysteine side chains: detection of an S-H band in the Meta I-->Meta II FTIR difference spectrum. *Biophysical Journal*, **1994**, 66, 2085-91	2.9	40
64	The Schiff base counterion of bacteriorhodopsin is protonated in sensory rhodopsin I: spectroscopic and functional characterization of the mutated proteins D76N and D76A. *Biochemistry*, **1994**, 33, 5600-6	3.2	42
63	Detection of a water molecule in the active-site of bacteriorhodopsin: hydrogen bonding changes during the primary photoreaction. *Biochemistry*, **1994**, 33, 12757-62	3.2	99
62	Water molecules are active during the primary photoreaction of bacteriorhodopsin **1994**, 2089, 118		1
61	Cell-free synthesis, functional refolding, and spectroscopic characterization of bacteriorhodopsin, an integral membrane protein. *Biochemistry*, **1993**, 32, 13777-81	3.2	33
60	Fourier transform infrared difference spectroscopy of the nicotinic acetylcholine receptor: evidence for specific protein structural changes upon desensitization. *Biochemistry*, **1993**, 32, 5448-54	3.2	65
59	FTIR difference spectroscopy of the bacteriorhodopsin mutant Tyr-185-->Phe: detection of a stable O-like species and characterization of its photocycle at low temperature. *Biochemistry*, **1993**, 32, 2282-90	3.2	31
58	Fourier transform infrared difference spectroscopy of rhodopsin mutants: light activation of rhodopsin causes hydrogen-bonding change in residue aspartic acid-83 during meta II formation. *Biochemistry*, **1993**, 32, 10277-82	3.2	86
57	Static and time-resolved absorption spectroscopy of the bacteriorhodopsin mutant Tyr-185-->Phe: evidence for an equilibrium between bR570 and an O-like species. *Biochemistry*, **1993**, 32, 2263-71	3.2	35
56	Fourier transform Raman spectroscopy of the bacteriorhodopsin mutant Tyr-185-->Phe: formation of a stable O-like species during light adaptation and detection of its transient N-like photoproduct. *Biochemistry*, **1993**, 32, 2272-81	3.2	38
55	Stabilization of the membrane protein bacteriorhodopsin to 140 °C in two-dimensional films. *Nature*, **1993**, 366, 48-50	50.4	139
54	FTIR spectroscopy, site-directed mutagenesis, and isotope labeling: a new approach for studying membrane proteins **1992**, 1575, 109		2
53	Incorporation of the nicotinic acetylcholine receptor into planar multilamellar films: characterization by fluorescence and Fourier transform infrared difference spectroscopy. *Biophysical Journal*, **1992**, 61, 983-92	2.9	60
52	Probing conformational changes in the nicotinic acetylcholine receptor by Fourier transform infrared difference spectroscopy. *Biophysical Journal*, **1992**, 62, 64-6	2.9	36
51	FTIR difference spectroscopy of bacteriorhodopsin: toward a molecular model. *Journal of Bioenergetics and Biomembranes*, **1992**, 24, 147-67	3.7	278

50	Time-resolved Fourier transform infrared spectroscopy of the bacteriorhodopsin mutant Tyr-185-->Phe: Asp-96 reprotonates during O formation; Asp-85 and Asp-212 deprotonate during O decay. *Photochemistry and Photobiology*, **1992**, 56, 1085-95	3.6	80
49	Protein dynamics in the bacteriorhodopsin photocycle: submillisecond Fourier transform infrared spectra of the L, M, and N photointermediates. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 2388-92	11.5	168
48	Conformational changes in sensory rhodopsin I: similarities and differences with bacteriorhodopsin, halorhodopsin, and rhodopsin. *Biochemistry*, **1991**, 30, 5395-400	3.2	33
47	Fourier transform infrared evidence for a predominantly alpha-helical structure of the membrane bound channel forming COOH-terminal peptide of colicin E1. *Biophysical Journal*, **1991**, 59, 516-22	2.9	56
46	Biomolecular/solid-state nanoheterostructures. *Applied Physics Letters*, **1990**, 56, 692-694	3.4	39
45	Vibrational spectroscopy of bacteriorhodopsin mutants: evidence for the interaction of proline-186 with the retinylidene chromophore. *Biochemistry*, **1990**, 29, 5954-60	3.2	39
44	Polarized Fourier transform infrared spectroscopy of bacteriorhodopsin. Transmembrane alpha helices are resistant to hydrogen/deuterium exchange. *Biophysical Journal*, **1990**, 58, 1539-46	2.9	92
43	Substitution of membrane-embedded aspartic acids in bacteriorhodopsin causes specific changes in different steps of the photochemical cycle. *Biochemistry*, **1989**, 28, 10035-42	3.2	72
42	Substitution of amino acids in helix F of bacteriorhodopsin: effects on the photochemical cycle. *Biochemistry*, **1989**, 28, 10028-34	3.2	27
41	Vibrational spectroscopy of bacteriorhodopsin mutants: chromophore isomerization perturbs tryptophan-86. *Biochemistry*, **1989**, 28, 7052-9	3.2	47
40	Ftir Spectroscopy: The Detection Of Individual Chemical Groups In Complex Biomolecules **1989**, 1057, 44		
39	Composite Biomolecular/Solid State Nanostructures. *Materials Research Society Symposia Proceedings*, **1989**, 174, 151		2
38	INFRARED STUDIES OF BACTERIORHODOPSIN. *Photochemistry and Photobiology*, **1988**, 47, 883-887	3.6	26
37	Photoexcitation of rhodopsin: conformation changes in the chromophore, protein and associated lipids as determined by FTIR difference spectroscopy. *Photochemistry and Photobiology*, **1988**, 48, 497-504	3.6	66
36	Vibrational spectroscopy of bacteriorhodopsin mutants: I. Tyrosine-185 protonates and deprotonates during the photocycle. *Proteins: Structure, Function and Bioinformatics*, **1988**, 3, 219-29	4.2	93
35	Fourier transform infrared study of the halorhodopsin chloride pump. *Biochemistry*, **1988**, 27, 2420-4	3.2	57
34	Vibrational spectroscopy of bacteriorhodopsin mutants: light-driven proton transport involves protonation changes of aspartic acid residues 85, 96, and 212. *Biochemistry*, **1988**, 27, 8516-20	3.2	499
33	FTIR evidence for tryptophan perturbations during the bacteriorhodopsin photocycle. *Journal of the American Chemical Society*, **1988**, 110, 7223-7224	16.4	39

32	Fourier transform infrared techniques for probing membrane protein structure. *Annual Review of Biophysics and Biophysical Chemistry*, **1988**, 17, 541-70		235
31	Millisecond Fourier-transform infrared difference spectra of bacteriorhodopsin's M412 photoproduct. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 5221-5	11.5	127
30	Bacteriorhodopsin's M412 and BR605 protein conformations are similar Significance for proton transport. *FEBS Letters*, **1987**, 223, 289-293	3.8	17
29	Conformational changes in bacteriorhodopsin studied by infrared attenuated total reflection. *Biophysical Journal*, **1987**, 52, 629-35	2.9	47
28	Evidence for rhodopsin refolding during the decay of Meta II. *Biophysical Journal*, **1987**, 51, 345-50	2.9	52
27	Tyrosine and carboxyl protonation changes in the bacteriorhodopsin photocycle. 2. Tyrosines-26 and -64. *Biochemistry*, **1987**, 26, 6708-17	3.2	33
26	Tyrosine and carboxyl protonation changes in the bacteriorhodopsin photocycle. 1. M412 and L550 intermediates. *Biochemistry*, **1987**, 26, 6696-707	3.2	98
25	Evidence for a tyrosine protonation change during the primary phototransition of bacteriorhodopsin at low temperature. *Proceedings of the National Academy of Sciences of the United States of America*, **1986**, 83, 347-51	11.5	117
24	Orientation of the bacteriorhodopsin chromophore probed by polarized Fourier transform infrared difference spectroscopy. *Biochemistry*, **1986**, 25, 7793-8	3.2	101
23	Nanometer molecular lithography. *Applied Physics Letters*, **1986**, 48, 676-678	3.4	70
22	Fourier transform infrared studies of an active proton transport pump. *Methods in Enzymology*, **1986**, 127, 343-53	1.7	8
21	Fourier transform infrared spectroscopic evidence for the existence of two conformations of the bacteriorhodopsin primary photoproduct at low temperature. *Biochimica Et Biophysica Acta - Bioenergetics*, **1985**, 808, 140-8	4.6	38
20	Primary photochemistry of bacteriorhodopsin: comparison of Fourier transform infrared difference spectra with resonance Raman spectra. *Photochemistry and Photobiology*, **1984**, 40, 675-9	3.6	52
19	Fourier transform infrared evidence for Schiff base alteration in the first step of the bacteriorhodopsin photocycle. *Biochemistry*, **1984**, 23, 6103-9	3.2	86
18	Quantitative analysis of resonance Raman spectra of purple membrane from Halobacterium halobium: L550 intermediate. *Biochemistry*, **1983**, 22, 3460-3466	3.2	29
17	Infrared evidence that the Schiff base of bacteriorhodopsin is protonated: bR570 and K intermediates. *Proceedings of the National Academy of Sciences of the United States of America*, **1982**, 79, 4045-9	11.5	116
16	[76] Kinetic resonance raman spectroscopy of purple membrane using rotating sample. *Methods in Enzymology*, **1982**, 88, 643-648	1.7	4
15	X-ray diffraction and electron microscope study of phase separation in rod outer segment photoreceptor membrane multilayers. *Biophysical Journal*, **1982**, 39, 241-51	2.9	44

14	Conformational changes of bacteriorhodopsin detected by Fourier transform infrared difference spectroscopy. *Biochemical and Biophysical Research Communications*, **1981**, 103, 483-9	3.4	143
13	Incorporation of photoreceptor membrane into a multilamellar film. *Biophysical Journal*, **1980**, 31, 45-52	2.9	26
12	A spectroscopic study of rhodopsin alpha-helix orientation. *Biophysical Journal*, **1980**, 31, 53-64	2.9	84
11	Surface-induced lamellar orientation of multilayer membrane arrays. Theoretical analysis and a new method with application to purple membrane fragments. *Biophysical Journal*, **1980**, 31, 65-96	2.9	144
10	Nonequilibrium linear behavior of biological systems. Existence of enzyme-mediated multidimensional inflection points. *Biophysical Journal*, **1980**, 30, 209-30	2.9	44
9	Circular dichroism of oriented photoreceptor membrane film. *Biochemical and Biophysical Research Communications*, **1980**, 94, 618-24	3.4	3
8	Polarized infrared spectroscopy of oriented purple membrane. *Biophysical Journal*, **1979**, 25, 473-87	2.9	231
7	Anomalous amide I infrared absorption of purple membrane. *Science*, **1979**, 204, 311-2	33.3	100
6	Raman spectroscopy of uncomplexed valinomycin. 2. Nonpolar and polar solution. *Journal of the American Chemical Society*, **1977**, 99, 2032-9	16.4	26
5	Raman spectroscopy of uncomplexed valinomycin. I. The solid state. *Journal of the American Chemical Society*, **1977**, 99, 2024-32	16.4	15
4	Opsin structure probed by raman spectroscopy of photoreceptor membranes. *Science*, **1976**, 191, 1176-8	33.3	58
3	Models of ionic transport in biological membranes. Raman spectroscopy as a probe of valinomycin, gramicidin AŞ and rhodopsin conformations. *American Journal of Clinical Pathology*, **1975**, 63, 695-713	1.9	13
2	Raman spectroscopic study of the valinomycin--KSCN complex. *Journal of Molecular Biology*, **1974**, 89, 205-22	6.5	33
1	THE MOLECULAR ORGANIZATION AND FUNCTION OF BIOLOGICAL MEMBRANES: A POSSIBLE MICROSCOPIC PICTURE OF IONIC PERMEATION **1972**, 49-79		