

# Yuji Furutani

## List of Publications by Year in descending order

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121  
papers

2,887  
citations

136950

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214800

47  
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126  
docs citations

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times ranked

1926  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhodopsin-bestrophin fusion proteins from unicellular algae form gigantic pentameric ion channels. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 592-603.	8.2	23
2	Optogenetic Modulation of Ion Channels by Photoreceptive Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1293, 73-88.	1.6	6
3	Inverse Hydrogen-Bonding Change Between the Protonated Retinal Schiff Base and Water Molecules upon Photoisomerization in Heliorhodopsin 48C12. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8331-8341.	2.6	9
4	Zinc Binding to Heliorhodopsin. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8604-8609.	4.6	17
5	Infrared spectroscopic analysis on structural changes around the protonated Schiff base upon retinal isomerization in light-driven sodium pump KR2. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148190.	1.0	15
6	Regulation of Photocycle Kinetics of Photoactive Yellow Protein by Modulating Flexibility of the $\beta$ -Turn. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1452-1459.	2.6	0
7	Mechanism of Inward Proton Transport in an Antarctic Microbial Rhodopsin. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4851-4872.	2.6	29
8	Crystal structure of heliorhodopsin. <i>Nature</i> , 2019, 574, 132-136.	27.8	71
9	PDMS-Based Microfluidic Device for Infrared-Transmission Spectro-Electrochemistry. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 728-734.	3.2	3
10	In situ observation of the role of chloride ion binding to monkey green sensitive visual pigment by ATR-FTIR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3381-3387.	2.8	14
11	Structural properties determining low K <sup>+</sup> affinity of the selectivity filter in the TWIK1 K <sup>+</sup> channel. <i>Journal of Biological Chemistry</i> , 2018, 293, 6969-6984.	3.4	11
12	Ion-protein interactions of a potassium ion channel studied by attenuated total reflection Fourier transform infrared spectroscopy. <i>Biophysical Reviews</i> , 2018, 10, 235-239.	3.2	8
13	Vibrational and Molecular Properties of Mg <sup>2+</sup> Binding and Ion Selectivity in the Magnesium Channel MgtE. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9681-9696.	2.6	5
14	Structural insights into the nucleotide base specificity of P2X receptors. <i>Scientific Reports</i> , 2017, 7, 45208.	3.3	41
15	The Impact of the Polymer Chain Length on the Catalytic Activity of Poly(N-vinyl-2-pyrrolidone)-supported Gold Nanoclusters. <i>Scientific Reports</i> , 2017, 7, 9579.	3.3	37
16	A ciliary opsin in the brain of a marine annelid zooplankton is ultraviolet-sensitive, and the sensitivity is tuned by a single amino acid residue. <i>Journal of Biological Chemistry</i> , 2017, 292, 12971-12980.	3.4	27
17	Simple and Rapid Fabrication of PDMS Microfluidic Devices Compatible with FTIR Microspectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 195-202.	3.2	12
18	The Molecular Mechanisms of Ion Transportation in Microbial Rhodopsins Studied using Light-Induced Infrared Difference Spectroscopy. <i>Nippon Laser Igakkaishi</i> , 2016, 36, 460-465.	0.0	0

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19	Live-cell single-molecule imaging of the cytokine receptor MPL for analysis of dynamic dimerization. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 553-555.	3.3	10
20	Ion-Protein Interactions between a Potassium Channel and Alkali Metal Cations Studied by ATR-FTIR Spectroscopy. <i>Biophysical Journal</i> , 2016, 110, 373a-374a.	0.5	0
21	Molecular Mechanisms for Ion Transportation of Microbial Rhodopsins Studied by Light-Induced Difference FTIR Spectroscopy. , 2015, , 63-76.		0
22	Chimeras of Channelrhodopsin-1 and -2 from <i>Chlamydomonas reinhardtii</i> Exhibit Distinctive Light-induced Structural Changes from Channelrhodopsin-2. <i>Journal of Biological Chemistry</i> , 2015, 290, 11623-11634.	3.4	31
23	Retinal Attachment Instability Is Diversified among Mammalian Melanopsins. <i>Journal of Biological Chemistry</i> , 2015, 290, 27176-27187.	3.4	21
24	New insights into metal ion-crown ether complexes revealed by SEIRA spectroscopy. <i>New Journal of Chemistry</i> , 2015, 39, 8673-8680.	2.8	25
25	Infrared spectroscopic studies on the V-ATPase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 134-141.	1.0	8
26	Specific interactions between alkali metal cations and the KcsA channel studied using ATR-FTIR spectroscopy. <i>Biophysics and Physicobiology</i> , 2015, 12, 37-45.	1.0	11
27	Attenuated total reflectance infrared spectroscopy with chirped-pulse upconversion. , 2015, , .		0
28	Attenuated total reflectance spectroscopy with chirped-pulse upconversion. <i>Optics Express</i> , 2014, 22, 29611.	3.4	8
29	Hydrogen-bonding changes of internal water molecules upon the actions of microbial rhodopsins studied by FTIR spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 598-605.	1.0	29
30	Formation of host-guest complexes on gold surface investigated by surface-enhanced IR absorption spectroscopy. <i>Chemical Physics Letters</i> , 2014, 592, 90-95.	2.6	6
31	His166 Is the Schiff Base Proton Acceptor in Attractant Phototaxis Receptor Sensory Rhodopsin I. <i>Biochemistry</i> , 2014, 53, 5923-5929.	2.5	8
32	Ion-Protein Interaction in Channel and Pump Proteins Studied by FTIR Spectroscopy. <i>Biophysical Journal</i> , 2014, 106, 612a.	0.5	0
33	Self-assembly of the chaperonin GroEL nanocage induced at submicellar detergent. <i>Scientific Reports</i> , 2014, 4, 5614.	3.3	6
34	Distribution of Mammalian-Like Melanopsin in Cyclostome Retinas Exhibiting a Different Extent of Visual Functions. <i>PLoS ONE</i> , 2014, 9, e108209.	2.5	19
35	Molecular Mechanisms of Membrane Proteins Studied by Infrared Spectroscopy. <i>Molecular Science</i> , 2014, 8, A0067.	0.2	0
36	Development of Rapid-Buffer Exchange ATR-FTIR Spectroscopy for Membrane Proteins. <i>Seibutsu Butsuri</i> , 2014, 54, 272-275.	0.1	0

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37	Distortion of the amide-I and -II bands of an $\alpha$ -helical membrane protein, pharaonis halorhodopsin, depends on thickness of gold films utilized for surface-enhanced infrared absorption spectroscopy. <i>Chemical Physics</i> , 2013, 419, 8-16.	1.9	19
38	Large Spectral Change due to Amide Modes of a $\beta$ -Sheet upon the Formation of an Early Photointermediate of Middle Rhodopsin. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3449-3458.	2.6	7
39	Development of a rapid Buffer-exchange system for time-resolved ATR-FTIR spectroscopy with the step-scan mode. <i>Biophysics (Nagoya-shi, Japan)</i> , 2013, 9, 123-129.	0.4	11
40	Dynamics of Dangling Bonds of Water Molecules in <i>pharaonis</i> Halorhodopsin during Chloride Ion Transportation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2964-2969.	4.6	26
41	Comparative FTIR Study of a New Fungal Rhodopsin. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11881-11889.	2.6	10
42	ATR-FTIR Spectroscopy Revealing the Different Vibrational Modes of the Selectivity Filter Interacting with $K^{+}$ and $Na^{+}$ in the Open and Collapsed Conformations of the KcsA Potassium Channel. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3806-3810.	4.6	32
43	Protein-Bound Water Molecules in Primate Red- and Green-Sensitive Visual Pigments. <i>Biochemistry</i> , 2012, 51, 1126-1133.	2.5	33
44	Sodium or Lithium Ion-Binding-Induced Structural Changes in the K-Ring of V-ATPase from <i>Enterococcus hirae</i> Revealed by ATR-FTIR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 2860-2863.	13.7	32
45	Chimeric Microbial Rhodopsins Containing the Third Cytoplasmic Loop of Bovine Rhodopsin. <i>Biophysical Journal</i> , 2011, 100, 1874-1882.	0.5	15
46	Sensory Rhodopsin-I as a Bidirectional Switch: Opposite Conformational Changes from the Same Photoisomerization. <i>Biophysical Journal</i> , 2011, 100, 2178-2183.	0.5	8
47	An inward proton transport using anabaena sensory rhodopsin. <i>Journal of Microbiology</i> , 2011, 49, 1-6.	2.8	10
48	An FTIR Study of Monkey Green- and Red-Sensitive Visual Pigments. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 891-894.	13.8	33
49	Protein-Protein Interaction Changes in an Archaeal Light-Signal Transduction. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-14.	3.0	5
50	Molecular Insight into Intrinsic Heme Distortion in Ligand Binding in Hemoprotein. <i>Biochemistry</i> , 2010, 49, 5642-5650.	2.5	40
51	Protein Fluctuations as the Possible Origin of the Thermal Activation of Rod Photoreceptors in the Dark. <i>Journal of the American Chemical Society</i> , 2010, 132, 5693-5703.	13.7	37
52	Low-Temperature FTIR Study of Gloeobacter Rhodopsin: Presence of Strongly Hydrogen-Bonded Water and Long-Range Structural Protein Perturbation upon Retinal Photoisomerization. <i>Biochemistry</i> , 2010, 49, 3343-3350.	2.5	39
53	FTIR Study of the Photoreaction of Bovine Rhodopsin in the Presence of Hydroxylamine. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9039-9046.	2.6	10
54	Manipulation of protein-complex function by using an engineered heterotrimeric coiled-coil switch. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3102.	2.8	4

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55	Characterization of a Signaling Complex Composed of Sensory Rhodopsin I and Its Cognate Transducer Protein from the Eubacterium <i>Salinibacter ruber</i> . <i>Biochemistry</i> , 2009, 48, 10136-10145.	2.5	30
56	In Situ Spectroscopic, Electrochemical, and Theoretical Studies of the Photoinduced Host-Guest Electron Transfer that Precedes Unusual Host-Mediated Alkane Photooxidation. <i>Journal of the American Chemical Society</i> , 2009, 131, 4764-4768.	13.7	108
57	Proton Release Group of <i>pharaonis</i> Phoborhodopsin Revealed by ATR-FTIR Spectroscopy. <i>Biochemistry</i> , 2009, 48, 1595-1603.	2.5	28
58	Effects of Chloride Ion Binding on the Photochemical Properties of <i>Salinibacter</i> Sensory Rhodopsin I. <i>Journal of Molecular Biology</i> , 2009, 392, 48-62.	4.2	37
59	Engineering an Inward Proton Transport from a Bacterial Sensor Rhodopsin. <i>Journal of the American Chemical Society</i> , 2009, 131, 16439-16444.	13.7	60
60	Interaction between Na <sup>+</sup> Ion and Carboxylates of the PomA-PomB Stator Unit Studied by ATR-FTIR Spectroscopy. <i>Biochemistry</i> , 2009, 48, 11699-11705.	2.5	55
61	Color Change of Proteorhodopsin by a Single Amino Acid Replacement at a Distant Cytoplasmic Loop. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3923-3926.	13.8	35
62	Quantum yields for the light adaptations in <i>Anabaena</i> sensory rhodopsin and bacteriorhodopsin. <i>Chemical Physics Letters</i> , 2008, 453, 105-108.	2.6	19
63	Protein-Protein Interaction of a <i>Pharaonis</i> Halorhodopsin Mutant Forming a Complex with <i>Pharaonis</i> Halobacterial Transducer Protein II Detected by Fourier Transform Infrared Spectroscopy. <i>Photochemistry and Photobiology</i> , 2008, 84, 874-879.	2.5	3
64	Steric Constraint in the Primary Photoproduct of Sensory Rhodopsin II Is a Prerequisite for Light-Signal Transfer to HtrII. <i>Biochemistry</i> , 2008, 47, 6208-6215.	2.5	30
65	Active Internal Waters in the Bacteriorhodopsin Photocycle. A Comparative Study of the L and M Intermediates at Room and Cryogenic Temperatures by Infrared Spectroscopy. <i>Biochemistry</i> , 2008, 47, 4071-4081.	2.5	65
66	Structural Changes in the O-Delay Accelerated Mutants of <i>pharaonis</i> Phoborhodopsin. <i>Biochemistry</i> , 2008, 47, 2866-2874.	2.5	5
67	Structural Changes of <i>Salinibacter</i> Sensory Rhodopsin I upon Formation of the K and M Photointermediates. <i>Biochemistry</i> , 2008, 47, 12750-12759.	2.5	27
68	Structural Changes of Sensory Rhodopsin I and Its Transducer Protein Are Dependent on the Protonated State of Asp76. <i>Biochemistry</i> , 2008, 47, 2875-2883.	2.5	14
69	FTIR Study of the L Intermediate of <i>Anabaena</i> Sensory Rhodopsin: Structural Changes in the Cytoplasmic Region. <i>Biochemistry</i> , 2008, 47, 10033-10040.	2.5	21
70	Functional Evaluation of Iron Oxypyriporphyrin in Protein Heme Pocket. <i>Inorganic Chemistry</i> , 2008, 47, 10771-10778.	4.0	19
71	A photochromic photoreceptor from a eubacterium. <i>Communicative and Integrative Biology</i> , 2008, 1, 150-152.	1.4	0
72	<i>Salinibacter</i> Sensory Rhodopsin. <i>Journal of Biological Chemistry</i> , 2008, 283, 23533-23541.	3.4	61

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73	Electronic Properties in a Five-Coordinate Azido Complex of Nonplanar Iron(III) Porphyrin: Revisiting to Quantum Mechanical Spin Admixing. Bulletin of the Chemical Society of Japan, 2008, 81, 136-141.	3.2	13
74	2P-254 Hydration dependent thermal equilibrium of retinal configuration between all-trans and 13-cis forms in Gloeobacter Rhodopsin(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2008, 48, S114.	0.1	0
75	Creation of Rhodopsin-like Materials by Use of Clay. Seibutsu Butsuri, 2008, 48, 284-286.	0.1	0
76	Early Photocycle Structural Changes in a Bacteriorhodopsin Mutant Engineered to Transmit Photosensory Signals. Journal of Biological Chemistry, 2007, 282, 15550-15558.	3.4	35
77	2P336 Characteristics of the Rhodopsin Chromophore in Clay Interlayers(Photobiology-photosynthesis, and vision and photoreception,Oral Presentations). Seibutsu Butsuri, 2007, 47, S197.	0.1	0
78	3P229 Protein-protein interaction in the pharaonis phoborhodopsin-pHtrI1 complex under the aqueous environment studied by ATR-FTIR spectroscopy(Photobiology- vision and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 d (photor	0.1	0
79	2P337 Structural fluctuations affecting the retinal-binding pocket in bovine rhodopsin studied by hydrogen/deuterium exchange of Thr118(Photobiology-vision and photoreception,Poster) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.1	0
80	3P234 Structural changes in the cytoplasmic region of the L photointermediate of Anabaena sensory rhodopsin(Photobiology- vision and photoreception. Actinobiology,Oral Presentations). Seibutsu Butsuri, 2007, 47, S261.	0.1	0
81	3P242 A Proteorhodopsin mutant engineered like a "dry-battery"(Photobiology- vision and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.1	0
82	S0511 FT-IR Study of Protein-Protein Interaction : Rhodopsin as a Model System(Vibrational) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	0.1	0
83	3P235 Structural and Interaction Changes of Sensory Rhodopsin I with its Transducer Protein studied by FTIR Spectroscopy.(Photobiology- vision and photoreception,Poster Presentations). Seibutsu Butsuri, 2007, 47, S261.	0.1	0
84	3P236 Specific Protein-Chromophore Interaction Initiates Light Signal Transduction of pharaonis Sensory Rhodopsin II(Photobiology- vision and photoreception. Actinobiology,Oral Presentations). Seibutsu Butsuri, 2007, 47, S262.	0.1	0
85	3P240 The Proton Donor for the Schiff base is perturbed upon retinal photoisomerization in Gloeobacter rhodopsin(Photobiology- vision and photoreception. Actinobiology,Oral Presentations). Seibutsu Butsuri, 2007, 47, S263.	0.1	0
86	FTIR Study of the Retinal Schiff Base and Internal Water Molecules of Proteorhodopsin. Biochemistry, 2007, 46, 5365-5373.	2.5	73
87	Photochromism of Anabaena Sensory Rhodopsin. Journal of the American Chemical Society, 2007, 129, 8644-8649.	13.7	71
88	Clay Mimics Color Tuning in Visual Pigments. Angewandte Chemie - International Edition, 2007, 46, 8010-8012.	13.8	21
89	Magnetic and Infrared Properties of the Azide Complex of (2,7,12,17-Tetrapropylporphycenato)iron(III): A Novel Admixing Mechanism of the $S = 5/2$ and $S = 3/2$ States. European Journal of Inorganic Chemistry, 2007, 2007, 3188-3194.	2.0	27
90	FTIR Study of the Photoisomerization Processes in the 13-cis and All-trans Forms of Anabaena Sensory Rhodopsin at 77 K. Biochemistry, 2006, 45, 4362-4370.	2.5	57

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91	Structural Changes in the Schiff Base Region of Squid Rhodopsin upon Photoisomerization Studied by Low-Temperature FTIR Spectroscopy. <i>Biochemistry</i> , 2006, 45, 2845-2851.	2.5	38
92	Conformational Coupling between the Cytoplasmic Carboxylic Acid and the Retinal in a Fungal Light-Driven Proton Pump. <i>Biochemistry</i> , 2006, 45, 15349-15358.	2.5	19
93	Temperature-Dependent Interactions between Photoactivated Pharaonis Phoborhodopsin and Its Transducer. <i>Biochemistry</i> , 2006, 45, 4859-4866.	2.5	20
94	Assignment of the Hydrogen-Out-Of-Plane and -in-Plane Vibrations of the Retinal Chromophore in the K Intermediate of pharaonis Phoborhodopsin. <i>Biochemistry</i> , 2006, 45, 11836-11843.	2.5	26
95	1P418 FTIR study of Internal Water Molecules in the Schiff Base Region of Proteorhodopsin(17. Light driven system,Poster Session,Abstract,Meeting Program of EABS & BSJ) Tj ETQq1 1 0.784314 rgBT /Overlock 0.1 0	0.1	0
96	1P421 FTIR Study of the O Intermediate in the Complex between pharaonis Phoborhodopsin and Its Cognate Transducer(17. Light driven system,Poster Session,Abstract,Meeting Program of EABS & BSJ) Tj ETQq0 0 0 rgBT /Overlock 0.1 0	0.1	0
97	1P441 Color Tuning of the Rhodopsin Chromophore Using Clay(17. Light driven system,Poster) Tj ETQq1 1 0.784314 rgBT /Overlock 0.1 0	0.1	0
98	2P330 Photochromism of Anabaena sensory rhodopsin(42. Sensory signal transduction,Poster) Tj ETQq0 0 0 rgBT /Overlock 0.1 0 Tf 50 46	0.1	0
99	Strongly hydrogen-bonded water molecule is observed only in the alkaline form of proteorhodopsin. <i>Chemical Physics</i> , 2006, 324, 705-708.	1.9	35
100	Functional Importance of the Interhelical Hydrogen Bond between Thr204 and Tyr174 of Sensory Rhodopsin II and Its Alteration during the Signaling Process. <i>Journal of Biological Chemistry</i> , 2006, 281, 34239-34245.	3.4	54
101	Strongly hydrogen-bonded water molecules in the Schiff base region of rhodopsins. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 661.	2.9	51
102	Steric Constraint in the Primary Photoproduct of an Archaeal Rhodopsin from Regiospecific Perturbation of C $\alpha$ -D Stretching Vibration of the Retinyl Chromophore. <i>Journal of the American Chemical Society</i> , 2005, 127, 16036-16037.	13.7	42
103	Strongly Hydrogen-Bonded Water Molecule Present near the Retinal Chromophore of Leptosphaeria Rhodopsin, the Bacteriorhodopsin-like Proton Pump from a Eukaryote. <i>Biochemistry</i> , 2005, 44, 15159-15166.	2.5	41
104	FTIR Spectroscopy of the All-Trans Form of Anabaena Sensory Rhodopsin at 77 K: A Hydrogen Bond of a Water between the Schiff Base and Asp75. <i>Biochemistry</i> , 2005, 44, 12287-12296.	2.5	57
105	FTIR Studies of the Photoactivation Processes in Squid Retinochrome. <i>Biochemistry</i> , 2005, 44, 7988-7997.	2.5	18
106	Structural Changes of the Complex between pharaonis Phoborhodopsin and Its Cognate Transducer upon Formation of the M Photointermediate. <i>Biochemistry</i> , 2005, 44, 2909-2915.	2.5	52
107	FTIR Spectroscopy of the O Photointermediate in pharaonis Phoborhodopsin. <i>Biochemistry</i> , 2004, 43, 5204-5212.	2.5	27
108	FTIR Spectroscopy of the K Photointermediate of Neurospora Rhodopsin: Structural Changes of the Retinal, Protein, and Water Molecules after Photoisomerization. <i>Biochemistry</i> , 2004, 43, 9636-9646.	2.5	61

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109	Structural Changes of Water in the Schiff Base Region of Bacteriorhodopsin: Proposal of a Hydration Switch Model. <i>Biochemistry</i> , 2003, 42, 2300-2306.	2.5	84
110	Structural Changes of Water Molecules during the Photoactivation Processes in Bovine Rhodopsin. <i>Biochemistry</i> , 2003, 42, 9619-9625.	2.5	72
111	Hydrogen Bonding Alteration of Thr-204 in the Complex between pharaonis Phoborhodopsin and Its Transducer Protein. <i>Biochemistry</i> , 2003, 42, 14166-14172.	2.5	56
112	Vibrational Modes of the Protonated Schiff Base in pharaonis Phoborhodopsin. <i>Biochemistry</i> , 2003, 42, 7801-7806.	2.5	26
113	Proton Transfer Reactions in the F86D and F86E Mutants of pharaonis Phoborhodopsin (Sensory) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	14
114	Structural Changes in Lumirhodopsin and Metarhodopsin I Studied by Their Photoreactions at 77 K. <i>Biochemistry</i> , 2003, 42, 8494-8500.	2.5	18
115	FTIR Spectroscopy of the Complex between pharaonis Phoborhodopsin and Its Transducer Protein. <i>Biochemistry</i> , 2003, 42, 4837-4842.	2.5	30
116	A pharaonis Phoborhodopsin Mutant with the Same Retinal Binding Site Residues As in Bacteriorhodopsin. <i>Biochemistry</i> , 2002, 41, 6504-6509.	2.5	18
117	Internal water molecules of archaeal rhodopsins (Review). <i>Molecular Membrane Biology</i> , 2002, 19, 257-265.	2.0	12
118	Role of Asp193 in Chromophore-Protein Interaction of pharaonis Phoborhodopsin (Sensory Rhodopsin) Tj ETQq0 0 0 rgBT /Overlock 10	0.5	16
119	FTIR Spectroscopy of the M Photointermediate in pharaonis Phoborhodopsin. <i>Biophysical Journal</i> , 2002, 83, 3482-3489.	0.5	43
120	Internal Water Molecules of pharaonis Phoborhodopsin Studied by Low-Temperature Infrared Spectroscopy. <i>Biochemistry</i> , 2001, 40, 15693-15698.	2.5	64
121	Excited-state dynamics of rhodopsin probed by femtosecond fluorescence spectroscopy. <i>Chemical Physics Letters</i> , 2001, 334, 271-276.	2.6	94