Michikazu Tanio

List of Publications by Year
in descending order

34	915	516215 16	454577 30
papers	citations	h-index	g-index

34	34	34	616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Existence of a Proton Transfer Chain in Bacteriorhodopsin:Â Participation of Glu-194 in the Release of Protons to the Extracellular Surfaceâ€. Biochemistry, 1998, 37, 2496-2506.	1.2	173
2	Location of a Cation-Binding Site in the Loop between Helices F and G of Bacteriorhodopsin as Studied by 13C NMR. Biophysical Journal, 1999, 76, 1523-1531.	0.2	72
3	Direct Evidence of Interaction of a Green Tea Polyphenol, Epigallocatechin Gallate, with Lipid Bilayers by Solid-state Nuclear Magnetic Resonance. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1743-1747.	0.6	67
4	Conformation and backbone dynamics of bacteriorhodopsin revealed by 13C-NMR. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1460, 39-48.	0.5	64
5	Trivalent Recognition Unit of Innate Immunity System. Journal of Biological Chemistry, 2007, 282, 3889-3895.	1.6	60
6	A structure-based mechanism for benzalacetone synthase from Rheum palmatum. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 669-673.	3.3	48
7	Dynamic aspects of membrane proteins and membrane-associated peptides as revealed by 13C NMR: Lessons from bacteriorhodopsin as an intact protein. Annual Reports on NMR Spectroscopy, 2002, 47, 39-108.	0.7	38
8	Irreversible Conformational Change of Bacterio-opsin Induced by Binding of Retinal during Its Reconstitution to Bacteriorhodopsin, as Studied by 13NMR. Journal of Biochemistry, 2000, 127, 861-869.	0.9	36
9	Expression, purification and crystallization of a human tau-tubulin kinase 2 that phosphorylates tau protein. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 602-604.	0.7	35
10	Long-Distance Effects of Site-Directed Mutations on Backbone Conformation in Bacteriorhodopsin from Solid State NMR of [1-13C]Val-Labeled Proteins. Biophysical Journal, 1999, 77, 431-442.	0.2	34
11	Alteration of Conformation and Dynamics of Bacteriorhodopsin Induced by Protonation of Asp 85 and Deprotonation of Schiff Base as Studied by 13C NMR. Biochemistry, 2000, 39, 14472-14480.	1.2	34
12	Conformational Changes of Bacteriorhodopsin along the Proton-Conduction Chain as Studied with 13C NMR of [3-13C]Ala-Labeled Protein: Arg82 May Function as an Information Mediator. Biophysical Journal, 1999, 77, 1577-1584.	0.2	31
13	Binding site of C-reactive protein on M-ficolin. Molecular Immunology, 2009, 47, 215-221.	1.0	31
14	Site-directed13C solid-state NMR studies on membrane proteins: strategy and goals toward revealing conformation and dynamics as illustrated for bacteriorhodopsin labeled with[1-13C]amino acid residues. Magnetic Resonance in Chemistry, 2004, 42, 218-230.	1.1	28
15	Evidence of local conformational fluctuations and changes in bacteriorhodopsin, dependent on lipids, detergents and trimeric structure, as studied by 13C NMR. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1375, 84-92.	1.4	26
16	Histidine-regulated activity of M-ficolin. Biochemical Journal, 2009, 417, 485-491.	1.7	17
17	Significance of low-frequency local fluctuation motions in the transmembrane B and C ?-helices of bacteriorhodopsin, to facilitate efficient proton uptake from the cytoplasmic surface, as revealed by site-directed solid-state 13C NMR. European Biophysics Journal, 2004, 33, 580-588.	1.2	15
18	Surface and Dynamic Structures of Bacteriorhodopsin in a 2D Crystal, a Distorted or Disrupted Lattice, as Revealed by Site-directed Solid-state 13C NMRâ€. Photochemistry and Photobiology, 2007, 83, 253-262.	1.3	15

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19	Conformation and dynamics of membrane proteins and biologically active peptides as studied by high-resolution solid-state 13C NMR. Journal of Molecular Structure, 1998, 441, 137-148.	1.8	12
20	Amino acid-selective isotope labeling of proteins for nuclear magnetic resonance study: Proteins secreted by Brevibacillus choshinensis. Analytical Biochemistry, 2009, 386, 156-160.	1.1	12
21	Trimeric structure and conformational equilibrium of M-ficolin fibrinogen-like domain. Journal of Synchrotron Radiation, 2008, 15, 243-245.	1.0	11
22	Overexpression, purification and preliminary crystallographic analysis of human M-ficolin fibrinogen-like domain. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 652-655.	0.7	9
23	15N isotope labeling of a protein secreted by Brevibacillus choshinensis for NMR study. Analytical Biochemistry, 2008, 373, 164-166.	1.1	9
24	Intramolecular allosteric interaction in the phospholipase C-Î´1 pleckstrin homology domain. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1034-1043.	1.1	9
25	Dynamic aspect of bacteriorhodopsin as viewed from¹³C NMR: Conformational elucidation, surface dynamics and information transfer from the surface to inner residues. Spectroscopy, 2002, 16, 107-120.	0.8	8
26	Analysis of the phospholipase C-Î´1 pleckstrin homology domain using native polyacrylamide gel electrophoresis. Analytical Biochemistry, 2012, 431, 106-114.	1.1	7
27	Crystallization and preliminary crystallographic analysis of a plant type III polyketide synthase that produces benzalacetone. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 304-306.	0.7	6
28	Suppressed or recovered intensities analysis in site-directed 13C NMR: Assessment of low-frequency fluctuations in bacteriorhodopsin and D85N mutants revisited. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 167-176.	1.4	5
29	Validation of HPLC Method for Determination of Histamine in Human Immunoglobulin Formulations. Journal of AOAC INTERNATIONAL, 2020, 103, 1223-1229.	0.7	2
30	1H, 13C and 15N backbone resonance assignments of the monomeric human M-ficolin fibrinogen-like domain secreted by Brevibacillus choshinensis. Biomolecular NMR Assignments, 2014, 8, 207-211.	0.4	1
31	Structure and Dynamics of Membrane-Bound Proteins. , 2018, , 669-681.		0
32	Structure and Dynamics of Membrane-Bound Proteins. , 2016, , 1-13.		0
33	Functional and structural characterization of membrane-binding proteins using NMR. Annual Reports on NMR Spectroscopy, 2022, , 47-131.	0.7	0
34	Calcium-dependent reversible coaggregation activity of C-reactive protein and M-ficolin. Molecular Immunology, 2022, 149, 157-164.	1.0	0