

Toshihiko Sugiki

List of Publications by Year in descending order

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37
papers

891
citations

430874

18
h-index

501196

28
g-index

39
all docs

39
docs citations

39
times ranked

1386
citing authors

#	ARTICLE	IF	CITATIONS
1	Current NMR Techniques for Structure-Based Drug Discovery. <i>Molecules</i> , 2018, 23, 148.	3.8	92
2	Impact of membrane curvature on amyloid aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1741-1764.	2.6	88
3	Modern Technologies of Solution Nuclear Magnetic Resonance Spectroscopy for Three-dimensional Structure Determination of Proteins Open Avenues for Life Scientists. <i>Computational and Structural Biotechnology Journal</i> , 2017, 15, 328-339.	4.1	57
4	Structural Basis for the Golgi Association by the Pleckstrin Homology Domain of the Ceramide Trafficking Protein (CERT)*. <i>Journal of Biological Chemistry</i> , 2012, 287, 33706-33718.	3.4	51
5	Identification of NDRG1 as an early inducible gene during in vitro maturation of cultured mast cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 339-346.	2.1	47
6	Model membrane size-dependent amyloidogenesis of Alzheimer's amyloid- β peptides. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16257-16266.	2.8	42
7	The Crystal Structure of the Plant Small GTPase OsRac1 Reveals Its Mode of Binding to NADPH Oxidase. <i>Journal of Biological Chemistry</i> , 2014, 289, 28569-28578.	3.4	35
8	N-Myc Downregulated Gene 1 Is a Phosphorylated Protein in Mast Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 624-627.	1.4	34
9	Membrane-induced initial structure of β -synuclein control its amyloidogenesis on model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 757-766.	2.6	33
10	Diverse Structural Conversion and Aggregation Pathways of Alzheimer's Amyloid- β (1-40). <i>ACS Nano</i> , 2019, 13, 8766-8783.	14.6	33
11	Association of <i>N-myc</i> Downregulated Gene 1 with Heat-Shock Cognate Protein 70 in Mast Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 628-633.	1.4	30
12	Isotopic Labeling of Heterologous Proteins in the Yeast <i>Pichia pastoris</i> and <i>Kluyveromyces lactis</i> . <i>Methods in Molecular Biology</i> , 2012, 831, 19-36.	0.9	25
13	Perdeuteration and methyl-selective ^1H , ^{13}C -labeling by using a <i>Kluyveromyces lactis</i> expression system. <i>Journal of Biomolecular NMR</i> , 2013, 57, 297-304.	2.8	25
14	Latest approaches for efficient protein production in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2014, 9, 1189-1204.	5.0	24
15	Stable isotope labeling of protein by <i>Kluyveromyces lactis</i> for NMR study. <i>Journal of Biomolecular NMR</i> , 2008, 42, 159-162.	2.8	23
16	Robust folding of a de novo designed ideal protein even with most of the core mutated to valine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31149-31156.	7.1	23
17	Amorphous Aggregation of Cytochrome <i>c</i> with Inherently Low Amyloidogenicity Is Characterized by the Metastability of Supersaturation and the Phase Diagram. <i>Langmuir</i> , 2016, 32, 2010-2022.	3.5	22
18	Phosphoinositide binding by the PH domain in ceramide transfer protein (CERT) is inhibited by hyperphosphorylation of an adjacent serine-repeat motif. <i>Journal of Biological Chemistry</i> , 2018, 293, 11206-11217.	3.4	21

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19	Real-time assay method of lipid extraction activity. <i>Analytical Biochemistry</i> , 2010, 399, 162-167.	2.4	18
20	Induction of PYPAF1 during In Vitro Maturation of Mouse Mast Cells. <i>Journal of Biochemistry</i> , 2003, 134, 699-709.	1.7	16
21	Utilization of paramagnetic relaxation enhancements for high-resolution NMR structure determination of a soluble loop-rich protein with sparse NOE distance restraints. <i>Journal of Biomolecular NMR</i> , 2015, 61, 55-64.	2.8	16
22	High-throughput screening of optimal solution conditions for structural biological studies by fluorescence correlation spectroscopy. <i>Protein Science</i> , 2009, 18, 1115-1120.	7.6	15
23	Physicochemical nature of interfaces controlling ferredoxin NADP+ reductase activity through its interprotein interactions with ferredoxin. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1200-1211.	1.0	15
24	Solution NMR structure and inhibitory effect against amyloid- β^2 fibrillation of Humanin containing a d-isomerized serine residue. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 647-653.	2.1	14
25	Protein 19F-labeling using transglutaminase for the NMR study of intermolecular interactions. <i>Journal of Biomolecular NMR</i> , 2017, 68, 271-279.	2.8	14
26	Polyphenol solubility alters amyloid fibril formation of β -synuclein. <i>Protein Science</i> , 2021, 30, 1701-1713.	7.6	14
27	Non-covalent forces tune the electron transfer complex between ferredoxin and sulfite reductase to optimize enzymatic activity. <i>Biochemical Journal</i> , 2016, 473, 3837-3854.	3.7	12
28	Site-specific aspartic acid isomerization regulates self-assembly and neurotoxicity of amyloid- β^2 . <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 493-8.	2.1	11
29	In-cell NMR as a sensitive tool to monitor physiological condition of Escherichia coli. <i>Scientific Reports</i> , 2020, 10, 2466.	3.3	9
30	Transient antibody-antigen interactions mediate the strain-specific recognition of a conserved malaria epitope. <i>Communications Biology</i> , 2018, 1, 58.	4.4	6
31	Structural instability of lamin A tail domain modulates its assembly and higher order function in Emery-Dreifuss muscular dystrophy. <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 22-28.	2.1	6
32	Peptide Cyclization Mediated by Metal-Free Arylation: Protected Cysteine Sulfoxide as an Umpolung of the Cysteine Nucleophile. <i>Chemistry - A European Journal</i> , 2021, 27, 14092-14099.	3.3	6
33	A hybrid strategy combining solution NMR spectroscopy and isothermal titration calorimetry to characterize protein-nanodisc interaction. <i>Analytical Biochemistry</i> , 2022, 639, 114521.	2.4	5
34	Sensitivity enhancement by sequential data acquisition for 13C-direct detection NMR. <i>Journal of Magnetic Resonance</i> , 2021, 322, 106878.	2.1	4
35	3PT002 Electron microscopy of oligomerization function of nuclear lamin A and the laminopathic mutants(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S155.	0.1	0
36	Exploration of Novel Alpha-Beta Protein Folds by De Novo Design. <i>Biophysical Journal</i> , 2020, 118, 43a.	0.5	0

#	ARTICLE	IF	CITATIONS
37	1P044 Molecular basis of conformational dynamics and enzymatical maturation process of nuclear lamin A related to onset of laminopathies(01B. Protein : Structure & Function,Poster,The 52nd) Tj ETQq1 1 0.784314 rgBT /Over		