

Kenji Sugase

List of Publications by Citations

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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.

69
papers

1,935
citations

17
h-index

43
g-index

72
ext. papers

2,226
ext. citations

5.9
avg, IF

4.84
L-index

#	Paper	IF	Citations
69	Mechanism of coupled folding and binding of an intrinsically disordered protein. <i>Nature</i> , 2007 , 447, 1021-5	5.4	852
68	Conformational propensities of intrinsically disordered proteins influence the mechanism of binding and folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9614-9	11.5	161
67	Haem-dependent dimerization of PGRMC1/Sigma-2 receptor facilitates cancer proliferation and chemoresistance. <i>Nature Communications</i> , 2016 , 7, 11030	17.4	112
66	Fast and accurate fitting of relaxation dispersion data using the flexible software package GLOVE. <i>Journal of Biomolecular NMR</i> , 2013 , 56, 275-83	3	61
65	Quantitative analysis of protein-ligand interactions by NMR. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2016 , 96, 47-57	10.4	60
64	Tailoring relaxation dispersion experiments for fast-associating protein complexes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13406-7	16.4	49
63	Solution structure of the ubiquitin-associated (UBA) domain of human autophagy receptor NBR1 and its interaction with ubiquitin and polyubiquitin. <i>Journal of Biological Chemistry</i> , 2014 , 289, 13890-902	5.4	46
62	¹³ C- ¹³ C and ¹³ C- ¹⁵ N Dipolar Correlation NMR of Uniformly Labeled Organic Solids for the Complete Assignment of Their ¹³ C and ¹⁵ N Signals: An Application to Adenosine. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11351-11352	16.4	45
61	Calcitonin in a protochordate, <i>Ciona intestinalis</i> —the prototype of the vertebrate calcitonin/calcitonin gene-related peptide superfamily. <i>FEBS Journal</i> , 2009 , 276, 4437-47	5.7	43
60	Dynamic changes in CCAN organization through CENP-C during cell-cycle progression. <i>Molecular Biology of the Cell</i> , 2015 , 26, 3768-76	3.5	42
59	Structural element responsible for the Fe(III)-phytosiderophore specific transport by HvYS1 transporter in barley. <i>FEBS Letters</i> , 2007 , 581, 4298-302	3.8	39
58	The monomer-seed interaction mechanism in the formation of the β -microglobulin amyloid fibril clarified by solution NMR techniques. <i>Journal of Molecular Biology</i> , 2012 , 422, 390-402	6.5	30
57	Overexpression of post-translationally modified peptides in <i>Escherichia coli</i> by co-expression with modifying enzymes. <i>Protein Expression and Purification</i> , 2008 , 57, 108-15	2	28
56	Peptide-dependent conformational fluctuation determines the stability of the human leukocyte antigen class I complex. <i>Journal of Biological Chemistry</i> , 2014 , 289, 24680-90	5.4	27
55	Boosting protein dynamics studies using quantitative nonuniform sampling NMR spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 13740-5	3.4	25
54	Solution structure of the Q41N variant of ubiquitin as a model for the alternatively folded N2 state of ubiquitin. <i>Biochemistry</i> , 2013 , 52, 1874-85	3.2	23
53	Solution structure of IsTX. A male scorpion toxin from <i>Opisthacanthus madagascariensis</i> (Ischnuridae). <i>FEBS Journal</i> , 2004 , 271, 3855-64		17

52	Ubiquitylation Directly Induces Fold Destabilization of Proteins. <i>Scientific Reports</i> , 2016 , 6, 39453	4.9	17
51	Distal regulation of heme binding of heme oxygenase-1 mediated by conformational fluctuations. <i>Biochemistry</i> , 2015 , 54, 340-8	3.2	14
50	Specific transporter for iron(III): Phytosiderophore complex involved in iron uptake by barley roots. <i>Pure and Applied Chemistry</i> , 2008 , 80, 2689-2697	2.1	14
49	Structural and thermodynamic basis for the recognition of the substrate-binding cleft on hen egg lysozyme by a single-domain antibody. <i>Scientific Reports</i> , 2019 , 9, 15481	4.9	14
48	Restriction of a peptide turn conformation and conformational analysis of guanidino group using arginine-proline fused amino acids: application to mini atrial natriuretic peptide on binding to the receptor. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 489-92	8.3	13
47	Quantitative analysis of location- and sequence-dependent deamination by APOBEC3G using real-time NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2349-52	16.4	12
46	Elucidation of potential sites for antibody engineering by fluctuation editing. <i>Scientific Reports</i> , 2017 , 7, 9597	4.9	12
45	Lipopolysaccharide induces raft domain expansion in membrane composed of a phospholipid-cholesterol-sphingomyelin ternary system. <i>Innate Immunity</i> , 2011 , 17, 256-68	2.7	12
44	Dual Function of Phosphoubiquitin in E3 Activation of Parkin. <i>Journal of Biological Chemistry</i> , 2016 , 291, 16879-91	5.4	11
43	F F -selective NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2017 , 68, 41-52	3	10
42	Use of glass capillaries to suppress thermal convection in NMR tubes in diffusion measurements. <i>Magnetic Resonance in Chemistry</i> , 2016 , 54, 729-733	2.1	10
41	High-Sensitivity Rheo-NMR Spectroscopy for Protein Studies. <i>Analytical Chemistry</i> , 2017 , 89, 7286-7290	7.8	9
40	Resolving biomolecular motion and interactions by R and R relaxation dispersion NMR. <i>Methods</i> , 2018 , 148, 28-38	4.6	8
39	Solid-state NMR spectra of lipid-anchored proteins under magic angle spinning. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 2405-13	3.4	8
38	Solution structure of agelenin, an insecticidal peptide isolated from the spider <i>Agelena opulenta</i> , and its structural similarities to insect-specific calcium channel inhibitors. <i>FEBS Letters</i> , 2007 , 581, 3789-94	3.8	8
37	Structure-activity relationships for mini atrial natriuretic peptide by proline-scanning mutagenesis and shortening of peptide backbone. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 1245-7	2.9	8
36	Overview of Relaxation Dispersion NMR Spectroscopy to Study Protein Dynamics and Protein-Ligand Interactions. <i>Current Protocols in Protein Science</i> , 2018 , 92, e57	3.1	7
35	Dynamics of the Extended String-Like Interaction of TFIIE with the p62 Subunit of TFIIF. <i>Biophysical Journal</i> , 2016 , 111, 950-62	2.9	7

34	Real-Time Observation of the Interaction between Thioflavin T and an Amyloid Protein by Using High-Sensitivity Rheo-NMR. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	7
33	Exploration of the Conformational Dynamics of Major Histocompatibility Complex Molecules. <i>Frontiers in Immunology</i> , 2017 , 8, 632	8.4	7
32	The helical propensity of the extracellular loop is responsible for the substrate specificity of Fe(III)-phytosiderophore transporters. <i>FEBS Letters</i> , 2016 , 590, 4617-4627	3.8	6
31	Effects of Weak Nonspecific Interactions with ATP on Proteins. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11982-11993	16.4	6
30	Backbone resonance assignments of monomeric SOD1 in dilute and crowded environments. <i>Biomolecular NMR Assignments</i> , 2017 , 11, 81-84	0.7	5
29	Efficient identification and analysis of chemical exchange in biomolecules by R1 ρ relaxation dispersion with Amaterasu. <i>Bioinformatics</i> , 2016 , 32, 2539-41	7.2	5
28	Practical considerations for investigation of protein conformational dynamics by N R relaxation dispersion. <i>Journal of Biomolecular NMR</i> , 2017 , 67, 201-209	3	4
27	Extracting protein dynamics information from overlapped NMR signals using relaxation dispersion difference NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2015 , 63, 367-373	3	4
26	Backbone assignments of the apo and Zn(II) protoporphyrin IX-bound states of the soluble form of rat heme oxygenase-1. <i>Biomolecular NMR Assignments</i> , 2015 , 9, 197-200	0.7	4
25	Visualizing protein motion in Couette flow by all-atom molecular dynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129383	4	4
24	Biological and Physicochemical Functions of Ubiquitylation Revealed by Synthetic Chemistry Approaches. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	3
23	Elucidating slow binding kinetics of a protein without observable bound resonances by longitudinal relaxation NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2011 , 50, 219-27	3	3
22	Designing analogues of mini atrial natriuretic peptide based on structural analysis by NMR and restrained molecular dynamics. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 881-7	8.3	3
21	Synthesis of the cyclic heptapeptide Substance P antagonist, dihydro-WIN67689 and determination of the stereochemistry of the modified tyrosine moiety. <i>Tetrahedron Letters</i> , 1999 , 40, 9097-9100	2	3
20	Glycyrrhizin Derivatives Suppress Cancer Chemoresistance by Inhibiting Progesterone Receptor Membrane Component 1. <i>Cancers</i> , 2021 , 13,	6.6	3
19	Pinpoint analysis of a protein in slow exchange using FF-selective ZZ-exchange spectroscopy: assignment and kinetic analysis. <i>Journal of Biomolecular NMR</i> , 2020 , 74, 205-211	3	2
18	Structural dynamics of double-stranded DNA with epigenome modification. <i>Nucleic Acids Research</i> , 2021 , 49, 1152-1162	20.1	2
17	Multiple-State Monitoring of SOD1 Amyloid Formation at Single-Residue Resolution by Rheo-NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10604-10613	16.4	2

16	Quantitative Analysis of Location- and Sequence-Dependent Deamination by APOBEC3G Using Real-Time NMR Spectroscopy. <i>Angewandte Chemie</i> , 2014 , 126, 2381-2384	3.6	1
15	Structural Insights into Methylated DNA Recognition by the Methyl-CpG Binding Domain of MBD6 from .. <i>ACS Omega</i> , 2022 , 7, 3212-3221	3.9	1
14	Conformational exchange in the potassium channel blocker ShK. <i>Scientific Reports</i> , 2019 , 9, 19307	4.9	1
13	NMR resonance assignments of the NZF domain of mouse HOIL-1L free and bound to linear di-ubiquitin. <i>Biomolecular NMR Assignments</i> , 2019 , 13, 149-153	0.7	1
12	Backbone and side-chain resonance assignments of the methyl-CpG-binding domain of MBD6 from <i>Arabidopsis thaliana</i> . <i>Biomolecular NMR Assignments</i> , 2019 , 13, 59-62	0.7	1
11	Structural Dynamic Heterogeneity of Polyubiquitin Subunits Affects Phosphorylation Susceptibility. <i>Biochemistry</i> , 2021 , 60, 573-583	3.2	1
10	Expression, solubility monitoring, and purification of the co-folded LUBAC LTM domain by structure-guided tandem folding in autoinducing cultures. <i>Protein Expression and Purification</i> , 2021 , 187, 105953	2	1
9	Transient Diffusive Interactions with a Protein Crowder Affect Aggregation Processes of Superoxide Dismutase 1 β Barrel. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 2521-2532	3.4	0
8	Rigorous analysis of the interaction between proteins and low water-solubility drugs by qNMR-aided NMR titration experiments. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 21484-21488	3.6	0
7	Quantitative monitoring of ubiquitination/deubiquitination reaction cycles by O-incorporation. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 529, 418-424	3.4	
6	Isolation and characterization of a minimal building block of polyubiquitin fibrils. <i>Scientific Reports</i> , 2018 , 8, 2711	4.9	
5	Elucidating Functional Dynamics by R1 and R2 Relaxation Dispersion NMR Spectroscopy 2018 , 197-225		
4	Revealing the peptide presenting process of human leukocyte antigen through the analysis of fluctuation. <i>Biophysics (Nagoya-shi, Japan)</i> , 2015 , 11, 103-6		
3	S03A3 Metastable structure detected by relaxation dispersion NMR spectroscopy(Visualising Dynamical Aspects of A Protein Molecule). <i>Seibutsu Butsuri</i> , 2007 , 47, S4	0	
2	Backbone resonance assignments of the A2 domain of mouse von Willebrand factor. <i>Biomolecular NMR Assignments</i> , 2021 , 15, 427-431	0.7	
1	Molecular recognition and deubiquitination of cyclic K48-linked ubiquitin chains by OTUB1. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 562, 94-99	3.4	