

Guang Zhu

List of Publications by Year in descending order

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59
papers

16,370
citations

257101

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58
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61
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docs citations

61
times ranked

18563
citing authors

#	ARTICLE	IF	CITATIONS
1	NMRPipe: A multidimensional spectral processing system based on UNIX pipes. <i>Journal of Biomolecular NMR</i> , 1995, 6, 277-93.	1.6	14,090
2	[2] Measurement of homo- and heteronuclear J couplings from quantitative J correlation. <i>Methods in Enzymology</i> , 1994, 239, 79-105.	0.4	373
3	Protein flexibility and intrinsic disorder. <i>Protein Science</i> , 2004, 13, 71-80.	3.1	306
4	Protein Dynamics Measurements by TROSY-Based NMR Experiments. <i>Journal of Magnetic Resonance</i> , 2000, 143, 423-426.	1.2	186
5	Improved amino acid flexibility parameters. <i>Protein Science</i> , 2003, 12, 1060-1072.	3.1	158
6	Myocyte Enhancer Factor 2 Acetylation by p300 Enhances Its DNA Binding Activity, Transcriptional Activity, and Myogenic Differentiation. <i>Molecular and Cellular Biology</i> , 2005, 25, 3575-3582.	1.1	142
7	Gradient and sensitivity enhancement of 2D TROSY with water flip-back, 3D NOESY-TROSY and TOCSY-TROSY experiments. <i>Journal of Biomolecular NMR</i> , 1999, 13, 77-81.	1.6	77
8	Interaction between trichosanthin, a ribosome-inactivating protein, and the ribosomal stalk protein P2 by chemical shift perturbation and mutagenesis analyses. <i>Nucleic Acids Research</i> , 2007, 35, 1660-1672.	6.5	67
9	Functional Characterization of an Amino-terminal Region of HDAC4 That Possesses MEF2 Binding and Transcriptional Repressive Activity. <i>Journal of Biological Chemistry</i> , 2003, 278, 23515-23521.	1.6	65
10	The C-terminal fragment of the ribosomal P protein complexed to trichosanthin reveals the interaction between the ribosome-inactivating protein and the ribosome. <i>Nucleic Acids Research</i> , 2009, 37, 602-610.	6.5	61
11	Topology of a G-quadruplex DNA formed by C9orf72 hexanucleotide repeats associated with ALS and FTD. <i>Scientific Reports</i> , 2015, 5, 16673.	1.6	59
12	Characterization and Structure Determination of the Cdt1 Binding Domain of Human Minichromosome Maintenance (Mcm) 6. <i>Journal of Biological Chemistry</i> , 2010, 285, 12469-12473.	1.6	51
13	Analysis of Sugar Puckers and Glycosidic Torsion Angles in a DNA G-Tetrad Structure by Heteronuclear Three-Bond J Couplings. <i>Journal of the American Chemical Society</i> , 1994, 116, 8370-8371.	6.6	41
14	A chair-type G-quadruplex structure formed by a human telomeric variant DNA in K ⁺ solution. <i>Chemical Science</i> , 2019, 10, 218-226.	3.7	40
15	Characterizations of distinct parallel and antiparallel G-quadruplexes formed by two-repeat ALS and FTD related GGGGCC sequence. <i>Scientific Reports</i> , 2018, 8, 2366.	1.6	38
16	The interacting domains of hCdt1 and hMcm6 involved in the chromatin loading of the MCM complex in human cells. <i>Cell Cycle</i> , 2010, 9, 4848-4857.	1.3	34
17	Structural insights into the Cdt1-mediated MCM2-7 chromatin loading. <i>Nucleic Acids Research</i> , 2012, 40, 3208-3217.	6.5	34
18	Solution structure of the dimerization domain of ribosomal protein P2 provides insights for the structural organization of eukaryotic stalk. <i>Nucleic Acids Research</i> , 2010, 38, 5206-5216.	6.5	33

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19	Sensitivity Enhancement in Transverse Relaxation Optimized NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2859-2861.	7.2	31
20	Accessible and distinct decoquinone derivatives active against <i>Mycobacterium tuberculosis</i> and apicomplexan parasites. <i>Communications Chemistry</i> , 2018, 1, .	2.0	30
21	Interaction between calcium-free calmodulin and IQ motif of neurogranin studied by nuclear magnetic resonance spectroscopy. <i>Analytical Biochemistry</i> , 2003, 315, 175-182.	1.1	28
22	Transverse relaxation optimized 3D and 4D ¹⁵ N/ ¹⁵ N separated NOESY experiments of ¹⁵ N labeled proteins. <i>Journal of Biomolecular NMR</i> , 2000, 18, 261-268.	1.6	27
23	The crystal structure of an antiparallel chair-type G-quadruplex formed by Bromo-substituted human telomeric DNA. <i>Nucleic Acids Research</i> , 2019, 47, 5395-5404.	6.5	27
24	Responsive upconversion nanoprobe for monitoring and inhibition of EBV-associated cancers via targeting EBNA1. <i>Nanoscale</i> , 2018, 10, 15632-15640.	2.8	25
25	2D and 3D TROSY-enhanced NOESY of ¹⁵ N labeled proteins. <i>Journal of Biomolecular NMR</i> , 1999, 14, 377-381.	1.6	23
26	Clean SEA-HSQC: a method to map solvent exposed amides in large non-deuterated proteins with gradient-enhanced HSQC. <i>Journal of Biomolecular NMR</i> , 2002, 23, 317-322.	1.6	22
27	Molecular Basis of the General Base Catalysis of an $\hat{\imath}\pm/\hat{\imath}^2$ -Hydrolase Catalytic Triad. <i>Journal of Biological Chemistry</i> , 2014, 289, 15867-15879.	1.6	21
28	(3,2)D GFT-NMR experiments for fast data collection from proteins. <i>Journal of Biomolecular NMR</i> , 2004, 29, 467-476.	1.6	20
29	Solution Structure of the C-terminal Domain of the Ciliary Neurotrophic Factor (CNTF) Receptor and Ligand Free Associations among Components of the CNTF Receptor Complex. <i>Journal of Biological Chemistry</i> , 2003, 278, 23285-23294.	1.6	19
30	TROSY-based NMR experiments for NMR studies of large biomolecules. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2008, 52, 49-68.	3.9	19
31	Structural basis of DNA replication origin recognition by human Orc6 protein binding with DNA. <i>Nucleic Acids Research</i> , 2020, 48, 11146-11161.	6.5	16
32	The dual effects of ethylene on the negative gravicurvature of arabidopsis inflorescence, an intriguing action model for the plant hormone ethylene. <i>Science Bulletin</i> , 2001, 46, 279-283.	1.7	15
33	Crystal structure of parallel G-quadruplex formed by the two-repeat ALS- and FTD-related GGGGCC sequence. <i>Nucleic Acids Research</i> , 2021, 49, 5881-5890.	6.5	15
34	Solution Structure of the Phosphotyrosine Binding (PTB) Domain of Human Tensin2 Protein in Complex with Deleted in Liver Cancer 1 (DLC1) Peptide Reveals a Novel Peptide Binding Mode. <i>Journal of Biological Chemistry</i> , 2012, 287, 26104-26114.	1.6	14
35	Cernuosides A and B, Two Sucrase Inhibitors from <i>Pulsatilla cernua</i> . <i>Journal of Natural Products</i> , 2000, 63, 276-278.	1.5	13
36	3D H(aro)-NOESY-CH ₃ NH and C(aro)-NOESY-CH ₃ NH experiments for double labeled proteins. <i>Journal of Biomolecular NMR</i> , 2001, 19, 355-360.	1.6	13

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37	MH1 domain of SMAD4 binds N-terminal residues of the homeodomain of Hoxc9. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 747-752.	1.1	11
38	Gradient- and Sensitivity-Enhanced Heteronuclear Multiple-Quantum Correlation Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1998, 135, 232-235.	1.2	10
39	Sensitivity Enhancement of HCACO by Using an HMQC Magnetization Transfer Scheme. <i>Journal of Magnetic Resonance</i> , 2000, 143, 407-410.	1.2	10
40	NMR Studies of Bacillus subtilis tRNA ^{Trp} Hyperexpressed in Escherichia coli. <i>Journal of Biological Chemistry</i> , 2000, 275, 6712-6716.	1.6	10
41	G-quadruplex structures formed by human telomeric DNA and C9orf72 hexanucleotide repeats. <i>Biophysical Reviews</i> , 2019, 11, 389-393.	1.5	10
42	TROSY-Based Correlation and NOE Spectroscopy for NMR Structural Studies of Large Proteins. , 2004, 278, 057-078.		9
43	Phase sensitive 3D J-resolved HMBC experiment for spectral assignment and measurement of long-range heteronuclear coupling constants. <i>Tetrahedron Letters</i> , 1999, 40, 5587-5591.	0.7	8
44	An Essential and Cell-Cycle-Dependent ORC Dimerization Cycle Regulates Eukaryotic Chromosomal DNA Replication. <i>Cell Reports</i> , 2020, 30, 3323-3338.e6.	2.9	8
45	Gradient and sensitivity enhanced multiple-quantum coherence in heteronuclear multidimensional NMR experiments. <i>Journal of Biomolecular NMR</i> , 1999, 14, 133-140.	1.6	7
46	A J-Multiplied HMQC (MJ-HMQC) Experiment for Measuring $^3J_{\text{HNH}'} \pm$ Coupling Constants. <i>Journal of Magnetic Resonance</i> , 2000, 146, 228-231.	1.2	6
47	Protein Dynamics Measurements by 3D HNC0 Based NMR Experiments. <i>Spectroscopy</i> , 2002, 16, 1-13.	0.8	6
48	TROSY-Based NMR Experiments for the Study of Macromolecular Dynamics and Hydrogen Bonding. , 2004, 278, 161-184.		4
49	Elucidation of the Solution Conformations of Loloatin C by NMR Spectroscopy and Molecular Simulation. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 31-37.	1.2	4
50	Development of stapled helical peptides to perturb the Cdt1-Mcm6 interaction. <i>Journal of Peptide Science</i> , 2015, 21, 593-598.	0.8	4
51	Simultaneous Real-Time Three-Dimensional Localization and FRET Measurement of Two Distinct Particles. <i>Nano Letters</i> , 2021, 21, 7479-7485.	4.5	4
52	¹ H, ¹⁵ N and ¹³ C chemical shift assignments of the SH2 domain of human tensin2 (TENC1). <i>Biomolecular NMR Assignments</i> , 2011, 5, 211-214.	0.4	3
53	Complete ¹ H, ¹⁵ N and ¹³ C assignments of the carboxyl terminal domain of the ciliary neurotrophic factor receptor (CNTFR). <i>Journal of Biomolecular NMR</i> , 2002, 22, 95-96.	1.6	2
54	Studying base pair open-close kinetics of tRNA ^{Leu} by TROSY-based proton exchange NMR spectroscopy. <i>FEBS Letters</i> , 2010, 584, 4449-4452.	1.3	2

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55	¹ H, ¹⁵ N chemical shift assignments of the imino groups in the base pairs of Escherichia coli tRNA ^{Leu} (CAG). <i>Biomolecular NMR Assignments</i> , 2011, 5, 71-74.	0.4	2
56	¹ H, ¹⁵ N and ¹³ C chemical shift assignments of the homeodomain of Hoxc9 in complex with the cell cycle regulator Geminin. <i>Biomolecular NMR Assignments</i> , 2015, 9, 165-168.	0.4	2
57	The Biophysical Society of Hong Kong (BPHK): past, present, and future. <i>Biophysical Reviews</i> , 2019, 11, 259-261.	1.5	2
58	¹ H, ¹⁵ N and ¹³ C chemical shift assignments of the Cdt1 binding domain of human Mcm6. <i>Biomolecular NMR Assignments</i> , 2010, 4, 231-233.	0.4	1
59	Multidimensional NMR Spectroscopic Signal Processing. , 2002, , 509-543.		0