

# Guang Zhu

## List of Publications by Year in descending order

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59  
papers

16,370  
citations

257450  
24  
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138484  
58  
g-index

61  
all docs

61  
docs citations

61  
times ranked

18563  
citing authors

#	ARTICLE	IF	CITATIONS
1	NMRPipe: A multidimensional spectral processing system based on UNIX pipes. Journal of Biomolecular NMR, 1995, 6, 277-93.	2.8	14,090
2	[2] Measurement of homo- and heteronuclear J couplings from quantitative J correlation. Methods in Enzymology, 1994, 239, 79-105.	1.0	373
3	Protein flexibility and intrinsic disorder. Protein Science, 2004, 13, 71-80.	7.6	306
4	Protein Dynamics Measurements by TROSY-Based NMR Experiments. Journal of Magnetic Resonance, 2000, 143, 423-426.	2.1	186
5	Improved amino acid flexibility parameters. Protein Science, 2003, 12, 1060-1072.	7.6	158
6	Myocyte Enhancer Factor 2 Acetylation by p300 Enhances Its DNA Binding Activity, Transcriptional Activity, and Myogenic Differentiation. Molecular and Cellular Biology, 2005, 25, 3575-3582.	2.3	142
7	Gradient and sensitivity enhancement of 2D TROSY with water flip-back, 3D NOESY-TROSY and TOCSY-TROSY experiments. Journal of Biomolecular NMR, 1999, 13, 77-81.	2.8	77
8	Interaction between trichosanthin, a ribosome-inactivating protein, and the ribosomal stalk protein P2 by chemical shift perturbation and mutagenesis analyses. Nucleic Acids Research, 2007, 35, 1660-1672.	14.5	67
9	Functional Characterization of an Amino-terminal Region of HDAC4 That Possesses MEF2 Binding and Transcriptional Repressive Activity. Journal of Biological Chemistry, 2003, 278, 23515-23521.	3.4	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. Nucleic Acids Research, 2009, 37, 602-610.	14.5	61
11	Topology of a G-quadruplex DNA formed by C9orf72 hexanucleotide repeats associated with ALS and FTD. Scientific Reports, 2015, 5, 16673.	3.3	59
12	Characterization and Structure Determination of the Cdt1 Binding Domain of Human Minichromosome Maintenance (Mcm) 6. Journal of Biological Chemistry, 2010, 285, 12469-12473.	3.4	51
13	Analysis of Sugar Puckers and Glycosidic Torsion Angles in a DNA G-Tetrad Structure by Heteronuclear Three-Bond J Couplings. Journal of the American Chemical Society, 1994, 116, 8370-8371.	13.7	41
14	A chair-type G-quadruplex structure formed by a human telomeric variant DNA in K <sup>+</sup> solution. Chemical Science, 2019, 10, 218-226.	7.4	40
15	Characterizations of distinct parallel and antiparallel G-quadruplexes formed by two-repeat ALS and FTD related GGGGCC sequence. Scientific Reports, 2018, 8, 2366.	3.3	38
16	The interacting domains of hCdt1 and hMcm6 involved in the chromatin loading of the MCM complex in human cells. Cell Cycle, 2010, 9, 4848-4857.	2.6	34
17	Structural insights into the Cdt1-mediated MCM2-7 chromatin loading. Nucleic Acids Research, 2012, 40, 3208-3217.	14.5	34
18	Solution structure of the dimerization domain of ribosomal protein P2 provides insights for the structural organization of eukaryotic stalk. Nucleic Acids Research, 2010, 38, 5206-5216.	14.5	33

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19	Sensitivity Enhancement in Transverse Relaxation Optimized NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2859-2861.	13.8	31
20	Accessible and distinct decoquinone derivatives active against <i>Mycobacterium tuberculosis</i> and apicomplexan parasites. <i>Communications Chemistry</i> , 2018, 1, .	4.5	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.	2.4	28
22	Transverse relaxation optimized 3D and 4D $^{15}\text{N}/^{15}\text{N}$ separated NOESY experiments of $^{15}\text{N}$ labeled proteins. <i>Journal of Biomolecular NMR</i> , 2000, 18, 261-268.	2.8	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.	14.5	27
24	Responsive upconversion nanoprobe for monitoring and inhibition of EBV-associated cancers via targeting EBNA1. <i>Nanoscale</i> , 2018, 10, 15632-15640.	5.6	25
25	2D and 3D TROSY-enhanced NOESY of $^{15}\text{N}$ labeled proteins. <i>Journal of Biomolecular NMR</i> , 1999, 14, 377-381.	2.8	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.	2.8	22
27	Molecular Basis of the General Base Catalysis of an $\hat{\alpha}/\hat{\beta}$ -Hydrolase Catalytic Triad. <i>Journal of Biological Chemistry</i> , 2014, 289, 15867-15879.	3.4	21
28	(3,2)D GFT-NMR experiments for fast data collection from proteins. <i>Journal of Biomolecular NMR</i> , 2004, 29, 467-476.	2.8	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.	3.4	19
30	TROSY-based NMR experiments for NMR studies of large biomolecules. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2008, 52, 49-68.	7.5	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.	14.5	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.	14.5	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.	3.4	14
35	Cernuosides A and B, Two Sucrase Inhibitors from <i>Pulsatilla nuttalliana</i> . <i>Journal of Natural Products</i> , 2000, 63, 276-278.	3.0	13
36	3D H(aro)-NOESY-CH <sub>3</sub> NH and C(aro)-NOESY-CH <sub>3</sub> NH experiments for double labeled proteins. <i>Journal of Biomolecular NMR</i> , 2001, 19, 355-360.	2.8	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.	2.3	11
38	Gradient- and Sensitivity-Enhanced Heteronuclear Multiple-Quantum Correlation Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1998, 135, 232-235.	2.1	10
39	Sensitivity Enhancement of HCACO by Using an HMQC Magnetization Transfer Scheme. <i>Journal of Magnetic Resonance</i> , 2000, 143, 407-410.	2.1	10
40	NMR Studies of <i>Bacillus subtilis</i> tRNA <sup>Trp</sup> Hyperexpressed in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 6712-6716.	3.4	10
41	G-quadruplex structures formed by human telomeric DNA and C9orf72 hexanucleotide repeats. <i>Biophysical Reviews</i> , 2019, 11, 389-393.	3.2	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.	1.4	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.	6.4	8
45	Gradient and sensitivity enhanced multiple-quantum coherence in heteronuclear multidimensional NMR experiments. <i>Journal of Biomolecular NMR</i> , 1999, 14, 133-140.	2.8	7
46	A J-Multiplied HMQC (MJ-HMQC) Experiment for Measuring $^3J_{\text{HNH}}$ Coupling Constants. <i>Journal of Magnetic Resonance</i> , 2000, 146, 228-231.	2.1	6
47	Protein Dynamics Measurements by 3D HNCO 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.	2.4	4
50	Development of stapled helical peptides to perturb the Cdt1-Mcm6 interaction. <i>Journal of Peptide Science</i> , 2015, 21, 593-598.	1.4	4
51	Simultaneous Real-Time Three-Dimensional Localization and FRET Measurement of Two Distinct Particles. <i>Nano Letters</i> , 2021, 21, 7479-7485.	9.1	4
52	$^1\text{H}$ , $^{15}\text{N}$ and $^{13}\text{C}$ chemical shift assignments of the SH2 domain of human tensin2 (TENC1). <i>Biomolecular NMR Assignments</i> , 2011, 5, 211-214.	0.8	3
53	Complete $^1\text{H}$ , $^{15}\text{N}$ and $^{13}\text{C}$ assignments of the carboxyl terminal domain of the ciliary neurotrophic factor receptor (CNTFR). <i>Journal of Biomolecular NMR</i> , 2002, 22, 95-96.	2.8	2
54	Studying base pair open-close kinetics of tRNA <sup>Leu</sup> by TROSY-based proton exchange NMR spectroscopy. <i>FEBS Letters</i> , 2010, 584, 4449-4452.	2.8	2

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55	<sup>1</sup> H, <sup>15</sup> N chemical shift assignments of the imino groups in the base pairs of Escherichia coli tRNA <sup>Leu</sup> (CAG). Biomolecular NMR Assignments, 2011, 5, 71-74.	0.8	2
56	<sup>1</sup> H, <sup>15</sup> N and <sup>13</sup> C chemical shift assignments of the homeodomain of Hoxc9 in complex with the cell cycle regulator Geminin. Biomolecular NMR Assignments, 2015, 9, 165-168.	0.8	2
57	The Biophysical Society of Hong Kong (BPHK): past, present, and future. Biophysical Reviews, 2019, 11, 259-261.	3.2	2
58	<sup>1</sup> H, <sup>15</sup> N and <sup>13</sup> C chemical shift assignments of the Cdt1 binding domain of human Mcm6. Biomolecular NMR Assignments, 2010, 4, 231-233.	0.8	1
59	Multidimensional NMR Spectroscopic Signal Processing. , 2002, , 509-543.		0