Natalie K Goto

List of Publications by Year
in descending order

40 papers	2,567 citations	430874 18 h-index	302126 39 g-index
45 all docs	45 docs citations	45 times ranked	2899 citing authors

#	Article	IF	Citations
1	A robust and cost-effective method for the production of Val, Leu, Ile (delta 1) methyl-protonated 15N-, 13C-, 2H-labeled proteins. Journal of Biomolecular NMR, 1999, 13, 369-374.	2.8	461
2	Alpha-helical, but not beta-sheet, propensity of proline is determined by peptide environment.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 6676-6681.	7.1	278
3	New developments in isotope labeling strategies for protein solution NMR spectroscopy. Current Opinion in Structural Biology, 2000, 10, 585-592.	5.7	222
4	Orienting domains in proteins using dipolar couplings measured by liquid-state NMR: differences in solution and crystal forms of maltodextrin binding protein loaded with Î²-cyclodextrin. Journal of Molecular Biology, 2000, 295, 1265-1273.	4.2	197
5	Cooperativity in Transcription Factor Binding to the Coactivator CREB-binding Protein (CBP). Journal of Biological Chemistry, 2002, 277, 43168-43174.	3.4	166
6	Structural Basis for Cooperative Transcription Factor Binding to the CBP Coactivator. Journal of Molecular Biology, 2006, 355, 1005-1013.	4.2	166
7	Structural Characterization of Unfolded States of Apomyoglobin using Residual Dipolar Couplings. Journal of Molecular Biology, 2004, 340, 1131-1142.	4.2	165
8	Ligand-induced structural changes to maltodextrin-binding protein as studied by solution NMR spectroscopy. Journal of Molecular Biology, 2001, 309, 961-974.	4.2	126
9	What is the average conformation of bacteriophage T4 lysozyme in solution? a domain orientation study using dipolar couplings measured by solution NMR 1 1Edited by P. E. Wright. Journal of Molecular Biology, 2001, 308, 745-764.	4.2	90
10	Polar residue tagging of transmembrane peptides. Biopolymers, 2003, 71, 675-685.	2.4	86
11	Rational design of proteins that exchange on functional timescales. Nature Chemical Biology, 2017, 13, 1280-1285.	8.0	76
12	Threshold hydrophobicity dictates helical conformations of peptides in membrane environments. , 1998, 39, 465-470.		68
13	Folding proteins into membranes. Nature Structural and Molecular Biology, 1996, 3, 815-818.	8.2	56
14	An HNCO-based Pulse Scheme for the Measurement of 13CÎ±-1HÎ± One-bond Dipolar couplings in 15N, 13C Labeled Proteins. Journal of Biomolecular NMR, 1998, 12, 325-332.	2.8	54
15	Activity-Based Protein Profiling of the Escherichia coli GlpG Rhomboid Protein Delineates the Catalytic Core. Biochemistry, 2012, 51, 7794-7803.	2.5	43
16	Appropriation of the MinD protein-interaction motif by the dimeric interface of the bacterial cell division regulator MinE. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18416-18421.	7.1	40
17	A New Chemical Probe for Phosphatidylinositol Kinase Activity. ChemBioChem, 2014, 15, 1253-1256.	2.6	25
18	Prediction of Stable Globular Proteins Using Negative Design with Non-native Backbone Ensembles. Structure, 2015, 23, 2011-2021.	3.3	21

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19	Inhibition of siRNA Binding to a p19 Viral Suppressor of RNA Silencing by Cysteine Alkylation. Angewandte Chemie - International Edition, 2007, 46, 2005-2009.	13.8	19
20	Contemporary Methods in Structure Determination of Membrane Proteins by Solution NMR. Topics in Current Chemistry, 2011, 326, 123-185.	4.0	19
21	Conformation of the Cell Division Regulator MinE:â€‰ Evidence for Interactions between the Topological Specificity and Anti-MinCD Domains. Biochemistry, 2006, 45, 4593-4601.	2.5	18
22	Insights into the effect of detergents on the full-length rhomboid protease from Pseudomonas aeruginosa and its cytosolic domain. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2444-2453.	2.6	18
23	Dissecting the role of conformational change and membrane binding by the bacterial cell division regulator MinE in the stimulation of MinD ATPase activity. Journal of Biological Chemistry, 2017, 292, 20732-20743.	3.4	17
24	Influence of hydrophobic mismatch on the catalytic activity of <scp>E</scp>scherichia coli<scp>G</scp>lp<scp>G</scp> rhomboid protease. Protein Science, 2015, 24, 464-473.	7.6	15
25	A transient amphipathic helix in the prodomain of PCSK9 facilitates binding to low-density lipoprotein particles. Journal of Biological Chemistry, 2020, 295, 2285-2298.	3.4	15
26	Stabilized recombinant suppressors of RNA silencing: Functional effects of linking monomers of Carnation Italian Ringspot virus p19. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1528-1535.	2.3	14
27	Antimicrobial peptide LL-37 and its truncated forms, GI-20 and GF-17, exert spermicidal effects and microbicidal activity against Neisseria gonorrhoeae. Human Reproduction, 2018, 33, 2175-2183.	0.9	14
28	Origin of conformational dynamics in a globular protein. Communications Biology, 2019, 2, 433.	4.4	11
29	Probing the structure of the Ff bacteriophage major coat protein transmembrane helix dimer by solution NMR. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 3206-3215.	2.6	10
30	The hydrophobicity threshold for peptide insertion into membranes. Current Topics in Membranes, 2002, 52, 465-479.	0.9	9
31	Micelle-Catalyzed Domain Swapping in the GlpG Rhomboid Protease Cytoplasmic Domain. Biochemistry, 2014, 53, 5907-5915.	2.5	8
32	Investigation of the utility of selective methyl protonation for determination of membrane protein structures. Journal of Biomolecular NMR, 2008, 42, 49-58.	2.8	7
33	Regulation of symmetric bacterial cell division by MinE. Communicative and Integrative Biology, 2011, 4, 101-103.	1.4	7
34	Profiling Kinase Activity during Hepatitis C Virus Replication Using a Wortmannin Probe. ACS Infectious Diseases, 2015, 1, 443-452.	3.8	7
35	Activityâ€based profiling of the proteasome pathway during hepatitis C virus infection. Proteomics, 2015, 15, 3815-3825.	2.2	6
36	Regulation of symmetric bacterial cell division by MinE: What is the role of conformational dynamics?. Communicative and Integrative Biology, 2011, 4, 101-3.	1.4	4

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37	The Importance of Intrinsic Order in a Disordered Protein Ligand. Biophysical Journal, 2014, 106, 1557-1558.	0.5	3
38	Subtilisin Kexin Isozyme-1 (SKI-1): Production, purification, inhibitor design and biochemical applications. Advances in Experimental Medicine and Biology, 2009, 611, 83-84.	1.6	3
39	1H, 13C, 15N chemical shift assignments for the Neisseria gonorrhoeae MinE regulator of cell division septum placement. Biomolecular NMR Assignments, 2010, 4, 227-229.	0.8	2
40	Impact of Differential Detergent Interactions on Transmembrane Helix Dimerization Affinities. ACS Omega, 2016, 1, 277-285.	3.5	0