Claudia Cornilescu

List of Publications by Year
in descending order

21	785	687363 13	713466 21
papers	citations	h-index	g-index

21	21	21	1020
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression platforms for producing eukaryotic proteins: a comparison of E. coli cell-based and wheat germ cell-free synthesis, affinity and solubility tags, and cloning strategies. Journal of Structural and Functional Genomics, 2015, 16, 67-80.	1.2	12
2	Dynamic Structural Changes Underpin Photoconversion of a Blue/Green Cyanobacteriochrome between Its Dark and Photoactivated States. Journal of Biological Chemistry, 2014, 289, 3055-3065.	3.4	55
3	Solution structures of Mengovirus Leader protein, its phosphorylated derivatives, and in complex with nuclear transport regulatory protein, RanGTPase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15792-15797.	7.1	12
4	Temperatureâ€dependent conformational change affecting Tyr11 and sweetness loops of brazzein. Proteins: Structure, Function and Bioinformatics, 2013, 81, 919-925.	2.6	15
5	Structural Characterization of Native Autoinducing Peptides and Abiotic Analogues Reveals Key Features Essential for Activation and Inhibition of an AgrC Quorum Sensing Receptor in Staphylococcus aureus. Journal of the American Chemical Society, 2013, 135, 18436-18444.	13.7	49
6	Structural basis for the photoconversion of a phytochrome to the activated Pfr form. Nature, 2010, 463, 250-254.	27.8	118
7	Cyanochromes Are Blue/Green Light Photoreversible Photoreceptors Defined by a Stable Double Cysteine Linkage to a Phycoviolobilin-type Chromophore. Journal of Biological Chemistry, 2009, 284, 29757-29772.	3.4	75
8	NMR structure of the mengovirus Leader protein zincâ€finger domain. FEBS Letters, 2008, 582, 896-900.	2.8	23
9	Solution Structure of a Cyanobacterial Phytochrome GAF Domain in the Red-Light-Absorbing Ground State. Journal of Molecular Biology, 2008, 383, 403-413.	4.2	53
10	Solution structure of a single-domain thiosulfate sulfurtransferase fromArabidopsis thaliana. Protein Science, 2006, 15, 2836-2841.	7.6	9
11	Solution structure of a small protein containing a fluorinated side chain in the core. Protein Science, 2006, 16, 14-19.	7.6	20
12	Resonance assignments for the two N-terminal RNA recognition motifs (RRM) of the S. cerevisiae Pre-mRNA Processing Protein Prp24. Journal of Biomolecular NMR, 2006, 36, 58-58.	2.8	5
13	Solution structure of a late embryogenesis abundant protein (LEA14) fromArabidopsis thaliana, a cellular stress-related protein. Protein Science, 2005, 14, 2601-2609.	7.6	104
14	Comparison of cell-based and cell-free protocols for producing target proteins from the Arabidopsis thaliana genome for structural studies. Proteins: Structure, Function and Bioinformatics, 2005, 59, 633-643.	2.6	56
15	X-ray structure of Arabidopsis At1g77680, 12-oxophytodienoate reductase isoform 1. Proteins: Structure, Function and Bioinformatics, 2005, 61, 206-208.	2.6	9
16	Structural and Dynamics Studies of the D54A Mutant of Human T Cell Leukemia Virus-1 Capsid Protein. Journal of Biological Chemistry, 2005, 280, 6792-6801.	3.4	12
17	Brazzein, a Small, Sweet Protein: Effects of Mutations on its Structure, Dynamics and Functional Properties. Chemical Senses, 2005, 30, i90-i91.	2.0	19
18	Letter to the Editor: Solution Structure of a Homodimeric Hypothetical Protein, At5g22580, a Structural Genomics Target from Arabidopsis Thaliana. Journal of Biomolecular NMR, 2004, 29, 387-390.	2.8	13

#	Article	IF	Citations
19	Backbone15N relaxation analysis of the N-terminal domain of the HTLV-I capsid protein and comparison with the capsid protein of HIV-1. Protein Science, 2003, 12, 973-981.	7.6	7
20	Solution Structure of the Phosphoryl Transfer Complex between the Cytoplasmic A Domain of the Mannitol Transporter IIMannitol and HPr of the Escherichia coliPhosphotransferase System. Journal of Biological Chemistry, 2002, 277, 42289-42298.	3.4	61
21	Structural analysis of the N-terminal domain of the human T-cell leukemia virus capsid protein. Journal of Molecular Biology, 2001, 306, 783-797.	4.2	58