

Claudia Cornilescu

List of Publications by Year in descending order

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21
papers

785
citations

687363

13
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for the photoconversion of a phytochrome to the activated Pfr form. <i>Nature</i> , 2010, 463, 250-254.	27.8	118
2	Solution structure of a late embryogenesis abundant protein (LEA14) from <i>Arabidopsis thaliana</i> , a cellular stress-related protein. <i>Protein Science</i> , 2005, 14, 2601-2609.	7.6	104
3	Cyanochromes Are Blue/Green Light Photoreversible Photoreceptors Defined by a Stable Double Cysteine Linkage to a Phycoviolobin-type Chromophore. <i>Journal of Biological Chemistry</i> , 2009, 284, 29757-29772.	3.4	75
4	Solution Structure of the Phosphoryl Transfer Complex between the Cytoplasmic A Domain of the Mannitol Transporter IIMannitol and HPr of the <i>Escherichia coli</i> Phosphotransferase System. <i>Journal of Biological Chemistry</i> , 2002, 277, 42289-42298.	3.4	61
5	Structural analysis of the N-terminal domain of the human T-cell leukemia virus capsid protein. <i>Journal of Molecular Biology</i> , 2001, 306, 783-797.	4.2	58
6	Comparison of cell-based and cell-free protocols for producing target proteins from the <i>Arabidopsis thaliana</i> genome for structural studies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 633-643.	2.6	56
7	Dynamic Structural Changes Underpin Photoconversion of a Blue/Green Cyanobacteriochrome between Its Dark and Photoactivated States. <i>Journal of Biological Chemistry</i> , 2014, 289, 3055-3065.	3.4	55
8	Solution Structure of a Cyanobacterial Phytochrome GAF Domain in the Red-Light-Absorbing Ground State. <i>Journal of Molecular Biology</i> , 2008, 383, 403-413.	4.2	53
9	Structural Characterization of Native Autoinducing Peptides and Abiotic Analogues Reveals Key Features Essential for Activation and Inhibition of an AgrC Quorum Sensing Receptor in <i>Staphylococcus aureus</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 18436-18444.	13.7	49
10	NMR structure of the mengovirus Leader protein zinc finger domain. <i>FEBS Letters</i> , 2008, 582, 896-900.	2.8	23
11	Solution structure of a small protein containing a fluorinated side chain in the core. <i>Protein Science</i> , 2006, 16, 14-19.	7.6	20
12	Brazzein, a Small, Sweet Protein: Effects of Mutations on its Structure, Dynamics and Functional Properties. <i>Chemical Senses</i> , 2005, 30, i90-i91.	2.0	19
13	Temperature-dependent conformational change affecting Tyr11 and sweetness loops of brazzein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 919-925.	2.6	15
14	Letter to the Editor: Solution Structure of a Homodimeric Hypothetical Protein, At5g22580, a Structural Genomics Target from <i>Arabidopsis Thaliana</i> . <i>Journal of Biomolecular NMR</i> , 2004, 29, 387-390.	2.8	13
15	Structural and Dynamics Studies of the D54A Mutant of Human T Cell Leukemia Virus-1 Capsid Protein. <i>Journal of Biological Chemistry</i> , 2005, 280, 6792-6801.	3.4	12
16	Solution structures of Mengovirus Leader protein, its phosphorylated derivatives, and in complex with nuclear transport regulatory protein, RanGTPase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15792-15797.	7.1	12
17	Expression platforms for producing eukaryotic proteins: a comparison of <i>E. coli</i> cell-based and wheat germ cell-free synthesis, affinity and solubility tags, and cloning strategies. <i>Journal of Structural and Functional Genomics</i> , 2015, 16, 67-80.	1.2	12
18	X-ray structure of <i>Arabidopsis At1g77680</i> , 12-oxophytodienoate reductase isoform 1. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 206-208.	2.6	9

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19	Solution structure of a single-domain thiosulfate sulfurtransferase from <i>Arabidopsis thaliana</i> . <i>Protein Science</i> , 2006, 15, 2836-2841.	7.6	9
20	Backbone ¹⁵ N relaxation analysis of the N-terminal domain of the HTLV-I capsid protein and comparison with the capsid protein of HIV-1. <i>Protein Science</i> , 2003, 12, 973-981.	7.6	7
21	Resonance assignments for the two N-terminal RNA recognition motifs (RRM) of the <i>S. cerevisiae</i> Pre-mRNA Processing Protein Prp24. <i>Journal of Biomolecular NMR</i> , 2006, 36, 58-58.	2.8	5