Ponni Rajagopal

List of Publications by Year in descending order

19 papers	2,011 citations	516561 16 h-index	839398 18 g-index
20 all docs	20 docs citations	20 times ranked	2266 citing authors

#	Article	IF	Citations
1	Structure of a BRCA1-BARD1 heterodimeric RING-RING complex. Nature Structural Biology, 2001, 8, 833-837.	9.7	446
2	Triple-strand formation in the homopurine:homopyrimidine DNA oligonucleotides d(G-A)4 and d(T-C)4. Nature, 1989, 339, 637-640.	13.7	263
3	Solid-state NMR and SAXS studies provide a structural basis for the activation of Î±B-crystallin oligomers. Nature Structural and Molecular Biology, 2010, 17, 1037-1042.	3.6	263
4	Pharmacological chaperone for Î±-crystallin partially restores transparency in cataract models. Science, 2015, 350, 674-677.	6.0	195
5	N-terminal domain of Î±B-crystallin provides a conformational switch for multimerization and structural heterogeneity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6409-6414.	3.3	185
6	NMR studies of triple-strand formation from the homopurine-homopyrimidine deoxyribonucleotides d(GA)4 and d(TC)4. Biochemistry, 1989, 28, 7859-7870.	1.2	176
7	Î±B-Crystallin: A Hybrid Solid-State/Solution-State NMR Investigation Reveals Structural Aspects of the Heterogeneous Oligomer. Journal of Molecular Biology, 2009, 385, 1481-1497.	2.0	106
8	Solution structure of the phosphocarrier protein HPr from Bacillus subtilis by twoâ€dimensional NMR spectroscopy. Protein Science, 1992, 1, 1363-1376.	3.1	65
9	Structural Consequences of Histidine Phosphorylation: NMR Characterization of the Phosphohistidine Form of Histidine-Containing Protein from Bacillus subtilis and Escherichia coli. Biochemistry, 1994, 33, 15271-15282.	1.2	54
10	A conserved histidine modulates HSPB5 structure to trigger chaperone activity in response to stress-related acidosis. ELife, 2015, 4, .	2.8	52
11	Phosphorylation of serineâ€46 in HPr, a key regulatory protein in bacteria, results in stabilization of its solution structure. Protein Science, 1995, 4, 2478-2486.	3.1	43
12	Structure of the Î±-crystallin domain from the redox-sensitive chaperone, HSPB1. Journal of Biomolecular NMR, 2015, 63, 223-228.	1.6	38
13	Demonstration of proteinâ€”protein interaction specificity by NMR chemical shift mapping. Protein Science, 1997, 6, 2624-2627.	3.1	32
14	Influence of N-Cap Mutations on the Structure and Stability of Escherichia coli HPr. Biochemistry, 1996, 35, 11268-11277.	1.2	30
15	Phosphorylation on histidine is accompanied by localized structural changes in the phosphocarrier protein, HPr from Bacillus subtilis. Protein Science, 1997, 6, 2107-2119.	3.1	29
16	NMR chemical shift perturbation mapping of dna binding by a zincâ€finger domain from the yeast transcription factor ADR1. Protein Science, 1997, 6, 1835-1848.	3.1	20
17	Observation of exchangeable proton resonances of DNA in two-dimensional NOE spectra using a presaturation pulse; application to d(CGCGAATTCGCG) and d(CGCGAm6ATTCGCG). Journal of Magnetic Resonance, 1988, 78, 526-537.	0.5	7
18	Solvent exchange rates of side-chain amide protons in proteins. Journal of Biomolecular NMR, 1998, 11, 205-212.	1.6	6

#	Article	IF	Citations
19	A pHâ€dependent Switch Regulates Chaperone Activity. FASEB Journal, 2011, 25, 907.4.	0.2	0