Ponni Rajagopal

List of Publications by Citations

19 papers	1,763 citations	16 h-index	20 g-index
20 ext. papers	1,890 ext. citations	10 avg, IF	3.99 L-index

#	Paper	IF	Citations
19	Structure of a BRCA1-BARD1 heterodimeric RING-RING complex. *Nature Structural Biology*, **2001**, 8, 833-7		381
18	Triple-strand formation in the homopurine:homopyrimidine DNA oligonucleotides d(G-A)4 and d(T-C)4. *Nature*, **1989**, 339, 637-40	50.4	247
17	Solid-state NMR and SAXS studies provide a structural basis for the activation of alphaB-crystallin oligomers. *Nature Structural and Molecular Biology*, **2010**, 17, 1037-42	17.6	228
16	NMR studies of triple-strand formation from the homopurine-homopyrimidine deoxyribonucleotides d(GA)4 and d(TC)4. *Biochemistry*, **1989**, 28, 7859-70	3.2	168
15	N-terminal domain of alphaB-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, 6409-14	11.5	159
14	Pharmacological chaperone for Ecrystallin partially restores transparency in cataract models. *Science*, **2015**, 350, 674-7	33.3	145
13	alphaB-crystallin: a hybrid solid-state/solution-state NMR investigation reveals structural aspects of the heterogeneous oligomer. *Journal of Molecular Biology*, **2009**, 385, 1481-97	6.5	97
12	Solution structure of the phosphocarrier protein HPr from Bacillus subtilis by two-dimensional NMR spectroscopy. *Protein Science*, **1992**, 1, 1363-76	6.3	59
11	Structural consequences of histidine phosphorylation: NMR characterization of the phosphohistidine form of histidine-containing protein from Bacillus subtilis and Escherichia coli. *Biochemistry*, **1994**, 33, 15271-82	3.2	52
10	Phosphorylation of serine-46 in HPr, a key regulatory protein in bacteria, results in stabilization of its solution structure. *Protein Science*, **1995**, 4, 2478-86	6.3	41
9	A conserved histidine modulates HSPB5 structure to trigger chaperone activity in response to stress-related acidosis. *ELife*, **2015**, 4,	8.9	40
8	Structure of the Ecrystallin domain from the redox-sensitive chaperone, HSPB1. *Journal of Biomolecular NMR*, **2015**, 63, 223-8	3	30
7	Demonstration of protein-protein interaction specificity by NMR chemical shift mapping. *Protein Science*, **1997**, 6, 2624-7	6.3	30
6	Phosphorylation on histidine is accompanied by localized structural changes in the phosphocarrier protein, HPr from Bacillus subtilis. *Protein Science*, **1997**, 6, 2107-19	6.3	29
5	Influence of N-cap mutations on the structure and stability of Escherichia coli HPr. *Biochemistry*, **1996**, 35, 11268-77	3.2	27
4	NMR chemical shift perturbation mapping of DNA binding by a zinc-finger domain from the yeast transcription factor ADR1. *Protein Science*, **1997**, 6, 1835-48	6.3	20
3	Solvent exchange rates of side-chain amide protons in proteins. *Journal of Biomolecular NMR*, **1998**, 11, 205-12	3	6

List of Publications

2	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	3
1	A pH-dependent Switch Regulates Chaperone Activity. *FASEB Journal*, **2011**, 25, 907.4	0.9