

Ponni Rajagopal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 the β -crystallin domain from the redox-sensitive chaperone, HSPB1. <i>Journal of Biomolecular NMR</i> , 2015 , 63, 223-8	3	30
18	Pharmacological chaperone for β -crystallin partially restores transparency in cataract models. <i>Science</i> , 2015 , 350, 674-7	33.3	145
17	A conserved histidine modulates HSPB5 structure to trigger chaperone activity in response to stress-related acidosis. <i>ELife</i> , 2015 , 4,	8.9	40
16	N-terminal domain of alphaB-crystallin provides a conformational switch for multimerization and structural heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6409-14	11.5	159
15	A pH-dependent Switch Regulates Chaperone Activity. <i>FASEB Journal</i> , 2011 , 25, 907.4	0.9	
14	Solid-state NMR and SAXS studies provide a structural basis for the activation of alphaB-crystallin oligomers. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 1037-42	17.6	228
13	alphaB-crystallin: a hybrid solid-state/solution-state NMR investigation reveals structural aspects of the heterogeneous oligomer. <i>Journal of Molecular Biology</i> , 2009 , 385, 1481-97	6.5	97
12	Structure of a BRCA1-BARD1 heterodimeric RING-RING complex. <i>Nature Structural Biology</i> , 2001 , 8, 833-7		381
11	Solvent exchange rates of side-chain amide protons in proteins. <i>Journal of Biomolecular NMR</i> , 1998 , 11, 205-12	3	6
10	NMR chemical shift perturbation mapping of DNA binding by a zinc-finger domain from the yeast transcription factor ADR1. <i>Protein Science</i> , 1997 , 6, 1835-48	6.3	20
9	Phosphorylation on histidine is accompanied by localized structural changes in the phosphocarrier protein, HPr from <i>Bacillus subtilis</i> . <i>Protein Science</i> , 1997 , 6, 2107-19	6.3	29
8	Demonstration of protein-protein interaction specificity by NMR chemical shift mapping. <i>Protein Science</i> , 1997 , 6, 2624-7	6.3	30
7	Influence of N-cap mutations on the structure and stability of <i>Escherichia coli</i> HPr. <i>Biochemistry</i> , 1996 , 35, 11268-77	3.2	27
6	Phosphorylation of serine-46 in HPr, a key regulatory protein in bacteria, results in stabilization of its solution structure. <i>Protein Science</i> , 1995 , 4, 2478-86	6.3	41
5	Structural consequences of histidine phosphorylation: NMR characterization of the phosphohistidine form of histidine-containing protein from <i>Bacillus subtilis</i> and <i>Escherichia coli</i> . <i>Biochemistry</i> , 1994 , 33, 15271-82	3.2	52
4	Solution structure of the phosphocarrier protein HPr from <i>Bacillus subtilis</i> by two-dimensional NMR spectroscopy. <i>Protein Science</i> , 1992 , 1, 1363-76	6.3	59
3	Triple-strand formation in the homopurine:homopyrimidine DNA oligonucleotides d(G-A) ₄ and d(T-C) ₄ . <i>Nature</i> , 1989 , 339, 637-40	50.4	247

- 2 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
- 1 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