Tapas K Mal

List of Publications by Year
in descending order

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35 papers	2,082 citations	361413 20 h-index	414414 32 g-index
35 all docs	35 docs citations	35 times ranked	2637 citing authors

#	Article	IF	Citations
1	Structure of the inositol 1,4,5-trisphosphate receptor binding core in complex with its ligand. Nature, 2002, 420, 696-700.	27.8	309
2	Cold-shock induced high-yield protein production in Escherichia coli. Nature Biotechnology, 2004, 22, 877-882.	17.5	307
3	Photo-Induced Peptide Cleavage in the Green-to-Red Conversion of a Fluorescent Protein. Molecular Cell, 2003, 12, 1051-1058.	9.7	276
4	FRET-based in vivo Ca2+ imaging by a new calmodulin-GFP fusion molecule. Nature Structural Biology, 2001, 8, 1069-1073.	9.7	196
5	Light-dependent regulation of structural flexibility in a photochromic fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9227-9232.	7.1	150
6	Structural Basis for the Activation of Microtubule Assembly by the EB1 and p150Glued Complex. Molecular Cell, 2005, 19, 449-460.	9.7	121
7	Structural Basis for Simultaneous Binding of Two Carboxy-terminal Peptides of Plant Glutamate Decarboxylase to Calmodulin. Journal of Molecular Biology, 2003, 328, 193-204.	4.2	100
8	Characterization of Dual Substrate Binding Sites in the Homodimeric Structure of Escherichia coli mRNA Interferase MazF. Journal of Molecular Biology, 2006, 357, 139-150.	4.2	54
9	Structural Studies of Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 2010, 285, 36092-36099.	3.4	48
10	Ligand-induced Conformational Changes via Flexible Linkers in the Amino-terminal region of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Molecular Biology, 2007, 373, 1269-1280.	4.2	46
11	NMR Spectroscopy Analysis of Asphaltenes. Energy & Fuels, 2019, 33, 10391-10414.	5.1	41
12	Structural and Functional Characterization on the Interaction of Yeast TFIID Subunit TAF1 with TATA-binding Protein. Journal of Molecular Biology, 2004, 339, 681-693.	4.2	37
13	Synthesis, and crystal and molecular structure of the 310-helical ?,?-dehydro pentapeptide Boc-Leu-Phe-Ala-?Phe-Leu-Ome. Biopolymers, 1995, 35, 141-147.	2.4	36
14	The ATCUN Domain as a Probe of Intermolecular Interactions:Â Application to Calmodulinâ^'Peptide Complexes. Journal of the American Chemical Society, 2002, 124, 14002-14003.	13.7	36
15	Some NMR experiments and a structure determination employing a [15N,2H] enriched protein. Journal of Biomolecular NMR, 1998, 12, 259-276.	2.8	34
16	TFIIA-TAF regulatory interplay: NMR evidence for overlapping binding sites on TBP. FEBS Letters, 2000, 468, 149-154.	2.8	34
17	Characterization of the ATP-Binding Domain of the Sarco(endo)plasmic Reticulum Ca2+-ATPase:â€‰ Probing Nucleotide Binding by Multidimensional NMR. Biochemistry, 2002, 41, 1156-1164.	2.5	32
18	Detecting Protein Kinase Recognition Modes of Calmodulin by Residual Dipolar Couplings in Solution NMR. Biochemistry, 2002, 41, 12899-12906.	2.5	32

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19	Synthesis, Crystal and Molecular Structure of Boc-Pro-Î"Phe-Ala-Î"Phe- Ala-OMe; A Pentapeptide with a NovelÎ²-Bend Ribbon Structure. Angewandte Chemie International Edition in English, 1994, 33, 970-973.	4.4	29
20	Assignment of Disulfide Bonds in the X Protein (HBx) of Hepatitis B Virus. Biochemical and Biophysical Research Communications, 1995, 212, 919-924.	2.1	27
21	The Influence of a Scalar-Coupled Deuterium upon the Relaxation of a15N Nucleus and Its Possible Exploitation as a Probe for Side-Chain Interactions in Proteins. Journal of Magnetic Resonance, 1997, 124, 61-71.	2.1	17
22	Calexcitin B Is a New Member of the Sarcoplasmic Calcium-binding Protein Family. Journal of Biological Chemistry, 2001, 276, 22529-22536.	3.4	17
23	Nuclear Magnetic Resonance-Based Dissection of a Glycosyltransferase Specificity for the Mucin MUC1 Tandem Repeat. Biochemistry, 2003, 42, 13817-13825.	2.5	17
24	Pathogen-specific antimicrobials engineered de novo through membrane-protein biomimicry. Nature Biomedical Engineering, 2021, 5, 467-480.	22.5	17
25	Probing Zn2+-binding effects on the zinc-ribbon domain of human general transcription factor TFIIB. Biochemical Journal, 2004, 378, 317-324.	3.7	16
26	Molecular basis of photochromism of a fluorescent protein revealed by direct 13C detection under laser illumination. Journal of Biomolecular NMR, 2010, 48, 237-246.	2.8	15
27	Functional Silencing of TATA-binding Protein (TBP) by a Covalent Linkage of the N-terminal Domain of TBP-associated Factor 1. Journal of Biological Chemistry, 2007, 282, 22228-22238.	3.4	11
28	Sample Preparation and Data Analysis for NMR-Based Metabolomics. Methods in Molecular Biology, 2021, 2194, 301-313.	0.9	7
29	Structural characterization of NRAS isoform 5. Protein Science, 2016, 25, 1069-1074.	7.6	5
30	T3P-promoted synthesis of a series of novel 2-aryl-3-phenyl-2,3,5,6-tetrahydro-4H-1,3-thiazin-4-ones. Tetrahedron Letters, 2020, 61, 151836.	1.4	5
31	NMR Investigation of Calmodulin. , 2008, , 503-516.		3
32	T3P-Promoted Synthesis of a Series of 2-Aryl-3-phenyl-2,3-dihydro-4H-pyrido[3,2-e][1,3]thiazin-4-ones and Their Activity against the Kinetoplastid Parasite Trypanosoma brucei. Molecules, 2021, 26, 6099.	3.8	3
33	Protein Structure Calculation from NMR 267. , 2002, 173, 267-283.		2
34	Resonance Assignments of 30ÂkDa Complexes of TFIID Subunit TAF1 with TATA-binding Protein. Journal of Biomolecular NMR, 2005, 33, 76-76.	2.8	2
35	Abstract 3093: 3D structural report of NRAS isoform 5. , 2016, , .		0