Rahul Das

List of Publications by Year
in descending order

32 papers	2,563 citations	361296 20 h-index	434063 31 g-index
34 all docs	34 docs citations	34 times ranked	3064 citing authors

#	Article	IF	Citations
1	Regulating the discriminatory response to antigen by T-cell receptor. Bioscience Reports, 2022, 42, .	1.1	5
2	Arginine-Modified Fluorescent Gold Nanoclusters for FÃ¶rster Resonance Energy Transfer with a Hemicyanine Dye: A Biofriendly Approach. ACS Applied Nano Materials, 2021, 4, 305-312.	2.4	14
3	Selective targeting of the inactive state of hematopoietic cell kinase (Hck) with a stable curcumin derivative. Journal of Biological Chemistry, 2021, 296, 100449.	1.6	3
4	Backbone resonance assignment of the cAMP-binding domains of the protein kinase A regulatory subunit Iî±. Biomolecular NMR Assignments, 2021, 15, 379-382.	0.4	0
5	Cytotoxic Ruthenium(II) Complexes of Pyrazolylbenzimidazole Ligands That Inhibit VEGFR2 Phosphorylation. Inorganic Chemistry, 2021, 60, 18379-18394.	1.9	6
6	Development of Non-ionic Surfactant and Protein-Coated Ultrasmall Silver Nanoparticles: Increased Viscoelasticity Enables Potency in Biological Applications. ACS Omega, 2020, 5, 8999-9006.	1.6	8
7	Elucidating the regulation of glucose tolerance in a Î²-glucosidase from Halothermothrix orenii by active site pocket engineering and computational analysis. International Journal of Biological Macromolecules, 2020, 156, 621-632.	3.6	19
8	An allosteric hot spot in the tandem-SH2 domain of ZAP-70 regulates T-cell signaling. Biochemical Journal, 2020, 477, 1287-1308.	1.7	13
9	A novel protein tyrosine phosphatase like phytase from Lactobacillus fermentum NKN51: Cloning, characterization and application in mineral release for food technology applications. Bioresource Technology, 2018, 249, 1000-1008.	4.8	21
10	Analysis of the Role of the C-Terminal Tail in the Regulation of the Epidermal Growth Factor Receptor. Molecular and Cellular Biology, 2015, 35, 3083-3102.	1.1	74
11	Architecture and Membrane Interactions of the EGF Receptor. Cell, 2013, 152, 557-569.	13.5	417
12	Conformational Coupling across the Plasma Membrane in Activation of the EGF Receptor. Cell, 2013, 152, 543-556.	13.5	423
13	Degradation of MAC13243 and studies of the interaction of resulting thiourea compounds with the lipoprotein targeting chaperone LolA. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2426-2431.	1.0	39
14	Structural analysis of autoinhibition in the Ras-specific exchange factor RasGRP1. ELife, 2013, 2, e00813.	2.8	78
15	The Projection Analysis of NMR Chemical Shifts Reveals Extended EPAC Autoinhibition Determinants. Biophysical Journal, 2012, 102, 630-639.	0.2	83
16	The Auto-Inhibitory Role of the EPAC Hinge Helix as Mapped by NMR. PLoS ONE, 2012, 7, e48707.	1.1	63
17	Regulation of the catalytic activity of the EGF receptor. Current Opinion in Structural Biology, 2011, 21, 777-784.	2.6	87
18	Communication between Tandem cAMP Binding Domains in the Regulatory Subunit of Protein Kinase A-Iî± as Revealed by Domain-silencing Mutations. Journal of Biological Chemistry, 2010, 285, 15523-15537.	1.6	46

#	Article	IF	Citations
19	Dynamically Driven Ligand Selectivity in Cyclic Nucleotide Binding Domains. Journal of Biological Chemistry, 2009, 284, 23682-23696.	1.6	71
20	Chemical genomics in Escherichia coli identifies an inhibitor of bacterial lipoprotein targeting. Nature Chemical Biology, 2009, 5, 849-856.	3.9	111
21	Mechanism for Activation of the EGF Receptor Catalytic Domain by the Juxtamembrane Segment. Cell, 2009, 137, 1293-1307.	13.5	506
22	Entropy-driven cAMP-dependent Allosteric Control of Inhibitory Interactions in Exchange Proteins Directly Activated by cAMP. Journal of Biological Chemistry, 2008, 283, 19691-19703.	1.6	59
23	A Model for Agonism and Antagonism in an Ancient and Ubiquitous cAMP-binding Domain. Journal of Biological Chemistry, 2007, 282, 581-593.	1.6	41
24	cAMP activation of PKA defines an ancient signaling mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 93-98.	3.3	113
25	Understanding cAMP-Dependent Allostery by NMR Spectroscopy:Â Comparative Analysis of the EPAC1 cAMP-Binding Domain in Its Apo and cAMP-Bound States. Journal of the American Chemical Society, 2007, 129, 14482-14492.	6.6	41
26	Understanding the Molecular Basis for the Inhibition of the Alzheimer's AÎ²-Peptide Oligomerization by Human Serum Albumin Using Saturation Transfer Difference and Off-Resonance Relaxation NMR Spectroscopy. Journal of the American Chemical Society, 2007, 129, 4282-4290.	6.6	109
27	Definition of an electrostatic relay switch critical for the cAMP-dependent activation of protein kinase A as revealed by the D170A mutant of RIÎ±. Proteins: Structure, Function and Bioinformatics, 2007, 69, 112-124.	1.5	37
28	Mapping Allostery through Equilibrium Perturbation NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 8406-8407.	6.6	34
29	Analysis and Parametric Optimization of1H Off-Resonance Relaxation NMR Experiments Designed to Map Polypeptide Self-Recognition and Other Noncovalent Interactions. Journal of Physical Chemistry B, 2006, 110, 20664-20670.	1.2	7
30	NMR assignment of the cAMP-binding domain A of the PKA regulatory subunit. Journal of Biomolecular NMR, 2006, 36, 64-64.	1.6	8
31	Dynamic unfolding of a regulatory subunit of cAMP-dependent protein kinase by capillary electrophoresis: Impact of cAMP dissociation on protein stability. Electrophoresis, 2006, 27, 4196-4204.	1.3	8
32	Mapping Polypeptide Self-Recognition through1H Off-Resonance Relaxation. Journal of the American Chemical Society, 2005, 127, 9358-9359.	6.6	18