Kausik Chakraborty

List of Publications by Year
in descending order

31	1,210	471509 17	454955 30
papers	citations	h-index	g-index

77	77	77	1960
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring Protein Conformation along the Pathway of Chaperonin-Assisted Folding. Cell, 2008, 133, 142-153.	28.9	158
2	Chaperonin-Catalyzed Rescue of Kinetically Trapped States in Protein Folding. Cell, 2010, 142, 112-122.	28.9	127
3	Chemical chaperones assist intracellular folding to buffer mutational variations. Nature Chemical Biology, 2012, 8, 238-245.	8.0	97
4	Interaction of Mycobacterium tuberculosis Elongation Factor Tu with GTP Is Regulated by Phosphorylation. Journal of Bacteriology, 2011, 193, 5347-5358.	2.2	86
5	Dietary restriction improves proteostasis and increases life span through endoplasmic reticulum hormesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17383-17392.	7.1	82
6	High Resolution Methylome Map of Rat Indicates Role of Intragenic DNA Methylation in Identification of Coding Region. PLoS ONE, 2012, 7, e31621.	2.5	80
7	Essential role of the chaperonin folding compartment in vivo. EMBO Journal, 2008, 27, 1458-68.	7.8	65
8	Oxidative Homeostasis Regulates the Response to Reductive Endoplasmic Reticulum Stress through Translation Control. Cell Reports, 2016, 16, 851-865.	6.4	57
9	Characterization of gp120 and Its Single-Chain Derivatives, gp120-CD4D12 and gp120-M9: Implications for Targeting the CD4i Epitope in Human Immunodeficiency Virus Vaccine Design. Journal of Virology, 2005, 79, 1713-1723.	3.4	51
10	Chemical Chaperones Mitigate Experimental Asthma by Attenuating Endoplasmic Reticulum Stress. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 923-931.	2.9	51
11	Classification of Chemical Chaperones Based on Their Effect on Protein Folding Landscapes. ACS Chemical Biology, 2015, 10, 813-820.	3.4	46
12	Selective inhibition of miR-21 by phage display screened peptide. Nucleic Acids Research, 2015, 43, 4342-4352.	14.5	40
13	Proteomic profile of 4-PBA treated human neuronal cells during ER stress. Molecular Omics, 2018, 14, 53-63.	2.8	33
14	Protein Minimization of the gp120 Binding Region of Human CD4â€. Biochemistry, 2005, 44, 16192-16202.	2.5	30
15	Protein Stabilization by Introduction of Cross-Strand Disulfidesâ€. Biochemistry, 2005, 44, 14638-14646.	2.5	28
16	Differential strengths of molecular determinants guide environment specific mutational fates. PLoS Genetics, 2018, 14, e1007419.	3.5	27
17	Accurate Detection of Protein:Ligand Binding Sites Using Molecular Dynamics Simulations. Structure, 2004, 12, 1989-1999.	3.3	25
18	Design of immunogens that present the crown of the HIV-1 V3 loop in a conformation competent to generate 447-52D-like antibodies. Biochemical Journal, 2006, 399, 483-491.	3.7	24

#	Article	IF	Citations
19	Converging Evidence of Mitochondrial Dysfunction in a Yeast Model of Homocysteine Metabolism Imbalance. Journal of Biological Chemistry, 2011, 286, 21779-21795.	3.4	18
20	Th9 cytokines curb cervical cancer progression and immune evasion. Human Immunology, 2019, 80, 1020-1025.	2.4	15
21	NMR structural analysis of a peptide mimic of the bridging sheet of HIV-1 gp120 in methanol and water. Biochemical Journal, 2005, 390, 573-581.	3.7	12
22	Crossâ€compartment proteostasis regulation during redox imbalance induced ER stress. Proteomics, 2014, 14, 1724-1736.	2.2	11
23	Distinct metabolic states of a cell guide alternate fates of mutational buffering through altered proteostasis. Nature Communications, 2020, 11, 2926.	12.8	10
24	Recent advances in understanding the role of proteostasis. Faculty Reviews, 2021, 10, 72.	3.9	8
25	GROEL/ES Buffers Entropic Traps in Folding Pathway during Evolution of a Model Substrate. Journal of Molecular Biology, 2020, 432, 5649-5664.	4.2	6
26	Cellular responses to proteostasis perturbations reveal non-optimal feedback in chaperone networks. Cellular and Molecular Life Sciences, 2019, 76, 1605-1621.	5.4	4
27	Conserved and divergent chaperoning effects of Hsp60/10 chaperonins on protein folding landscapes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118465119.	7.1	3
28	dms2dfe: Comprehensive Workflow for Analysis of Deep Mutational Scanning Data. Journal of Open Source Software, 2017, 2, 362.	4.6	2
29	Ncl1-mediated metabolic rewiring critical during metabolic stress. Life Science Alliance, 2019, 2, e201900360.	2.8	2
30	How do eubacterial organisms manage aggregation-prone proteome?. F1000Research, 2014, 3, 137.	1.6	1
31	Integrating an ER Reporter for Monitoring Genome-Wide UPR-ER in Budding. Methods in Molecular Biology, 2022, 2378, 189-201.	0.9	0