

# Sandip Kumar Nandi

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

256  
citations

933264

10  
h-index

996849

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acetylation of Lysine 92 Improves the Chaperone and Anti-apoptotic Activities of Human $\alpha$ -Crystallin. <i>Biochemistry</i> , 2013, 52, 8126-8138.	1.2	28
2	Glycation-mediated inter-protein cross-linking is promoted by chaperone-client complexes of $\alpha$ -crystallin: Implications for lens aging and presbyopia. <i>Journal of Biological Chemistry</i> , 2020, 295, 5701-5716.	1.6	28
3	Acetylation of Gly1 and Lys2 Promotes Aggregation of Human $\beta$ -Crystallin. <i>Biochemistry</i> , 2014, 53, 7269-7282.	1.2	26
4	Differential role of arginine mutations on the structure and functions of $\alpha$ -crystallin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 199-210.	1.1	21
5	A S52P mutation in the $\alpha$ -crystallin domain™ of <i>Mycobacterium leprae</i> HSP18 reduces its oligomeric size and chaperone function. <i>FEBS Journal</i> , 2013, 280, 5994-6009.	2.2	19
6	The C-terminal extension of <i>Mycobacterium tuberculosis</i> Hsp16.3 regulates its oligomerization, subunit exchange dynamics and chaperone function. <i>FEBS Journal</i> , 2017, 284, 277-300.	2.2	15
7	Identification of tear-based protein and non-protein biomarkers: Its application in diagnosis of human diseases using biosensors. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 838-846.	3.6	15
8	Succinylation Is a Gain-of-Function Modification in Human Lens $\alpha$ -Crystallin. <i>Biochemistry</i> , 2019, 58, 1260-1274.	1.2	14
9	Interaction of ATP with a Small Heat Shock Protein from <i>Mycobacterium leprae</i> : Effect on Its Structure and Function. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003661.	1.3	13
10	Conformational perturbation, hydrophobic interactions and oligomeric association are responsible for the enhanced chaperone function of <i>Mycobacterium leprae</i> HSP18 under pre-thermal condition. <i>RSC Advances</i> , 2016, 6, 62146-62156.	1.7	11
11	Transient elevation of temperature promotes cross-linking of $\alpha$ -crystallin-client proteins through formation of advanced glycation endproducts: A potential role in presbyopia and cataracts. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 1352-1358.	1.0	11
12	Role of Subunit Exchange and Electrostatic Interactions on the Chaperone Activity of <i>Mycobacterium leprae</i> HSP18. <i>PLoS ONE</i> , 2015, 10, e0129734.	1.1	11
13	Probing the structure-function relationship of <i>Mycobacterium leprae</i> HSP18 under different UV radiations. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 604-616.	3.6	10
14	The absence of SIRT3 and SIRT5 promotes the acetylation of lens proteins and improves the chaperone activity of $\alpha$ -crystallin in mouse lenses. <i>Experimental Eye Research</i> , 2019, 182, 1-9.	1.2	10
15	Lysine malonylation and propionylation are prevalent in human lens proteins. <i>Experimental Eye Research</i> , 2020, 190, 107864.	1.2	10
16	Evidences for zinc (II) and copper (II) ion interactions with <i>Mycobacterium leprae</i> HSP18: Effect on its structure and chaperone function. <i>Journal of Inorganic Biochemistry</i> , 2018, 188, 62-75.	1.5	6
17	Role of ATP-Small Heat Shock Protein Interaction in Human Diseases. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 844826.	1.6	4
18	Glycation-mediated protein crosslinking and stiffening in mouse lenses are inhibited by carboxitin in vitro. <i>Glycoconjugate Journal</i> , 2021, 38, 347-359.	1.4	3

#	ARTICLE	IF	CITATIONS
19	A monoclonal antibody targeted to the functional peptide of $\beta$ -crystallin inhibits the chaperone and anti-apoptotic activities. Journal of Immunological Methods, 2019, 467, 37-47.	0.6	1