

Sandip Kumar Nandi

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

256
citations

933447
10
h-index

996975
15
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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 α -Crystallin. <i>Biochemistry</i> , 2013, 52, 8126-8138. | 2.5 | 28 |
| 2 | Glycation-mediated inter-protein cross-linking is promoted by chaperone-client complexes of α -crystallin: Implications for lens aging and presbyopia. <i>Journal of Biological Chemistry</i> , 2020, 295, 5701-5716. | 3.4 | 28 |
| 3 | Acetylation of Gly1 and Lys2 Promotes Aggregation of Human β -Crystallin. <i>Biochemistry</i> , 2014, 53, 7269-7282. | 2.5 | 26 |
| 4 | Differential role of arginine mutations on the structure and functions of α -crystallin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 199-210. | 2.4 | 21 |
| 5 | A S52P mutation in the α -crystallin domain of <i>Mycobacterium leprae</i> HSP18 reduces its oligomeric size and chaperone function. <i>FEBS Journal</i> , 2013, 280, 5994-6009. | 4.7 | 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. | 4.7 | 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. | 7.5 | 15 |
| 8 | Succinylation Is a Gain-of-Function Modification in Human Lens α -Crystallin. <i>Biochemistry</i> , 2019, 58, 1260-1274. | 2.5 | 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. | 3.0 | 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. | 3.6 | 11 |
| 11 | Transient elevation of temperature promotes cross-linking of α -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. | 2.1 | 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. | 2.5 | 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. | 7.5 | 10 |
| 14 | The absence of SIRT3 and SIRT5 promotes the acetylation of lens proteins and improves the chaperone activity of α -crystallin in mouse lenses. <i>Experimental Eye Research</i> , 2019, 182, 1-9. | 2.6 | 10 |
| 15 | Lysine malonylation and propionylation are prevalent in human lens proteins. <i>Experimental Eye Research</i> , 2020, 190, 107864. | 2.6 | 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. | 3.5 | 6 |
| 17 | Role of ATP-Small Heat Shock Protein Interaction in Human Diseases. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 844826. | 3.5 | 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. | 2.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A monoclonal antibody targeted to the functional peptide of β -crystallin inhibits the chaperone and anti-apoptotic activities. Journal of Immunological Methods, 2019, 467, 37-47. | 1.4 | 1 |