

Alok Kumar Panda

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

733
citations

623699

14
h-index

580810

25
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28
all docs

28
docs citations

28
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, X-ray structure and in vitro cytotoxicity studies of Cu(<i>acac</i>) ₂ complexes of thiosemicarbazone: special emphasis on their interactions with DNA. Dalton Transactions, 2015, 44, 6140-6157.	3.3	94
2	Exploring sustainable technique on natural dye extraction from native plants for textile: identification of colourants, colourimetric analysis of dyed yarns and their antimicrobial evaluation. Journal of Cleaner Production, 2012, 37, 257-264.	9.3	83
3	A study of DNA/BSA interaction and catalytic potential of oxidovanadium(V) complexes with ONO donor ligands. Dalton Transactions, 2016, 45, 18292-18307.	3.3	63
4	Syntheses and structural investigation of some alkali metal ion-mediated LVO2 ²⁻ (L2 ²⁻ = tridentate) Tj ETQq0 0 0 rgBT /Overlock 10 T Transactions, 2014, 43, 10139.	3.3	58
5	Acetylation of α -crystallin in the human lens: Effects on structure and chaperone function. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 120-129.	3.8	55
6	Monomeric and Dimeric Oxidomolybdenum(V and VI) Complexes, Cytotoxicity, and DNA Interaction Studies: Molybdenum Assisted C-N Bond Cleavage of Salophen Ligands. Inorganic Chemistry, 2017, 56, 11190-11210.	4.0	52
7	Oxidovanadium(V) complexes of aroylhydrazones incorporating heterocycles: synthesis, characterization and study of DNA binding, photo-induced DNA cleavage and cytotoxic activities. RSC Advances, 2015, 5, 51852-51867.	3.6	45
8	Evaluation of the cell cytotoxicity and DNA/BSA binding and cleavage activity of some dioxidovanadium(V) complexes containing aroylhydrazones. Journal of Inorganic Biochemistry, 2015, 144, 1-12.	3.5	41
9	Hydroimidazolone Modification of the Conserved Arg12 in Small Heat Shock Proteins: Studies on the Structure and Chaperone Function Using Mutant Mimics. PLoS ONE, 2012, 7, e30257.	2.5	39
10	DNA minor groove binding of a well known anti-mycobacterial drug dapson: A spectroscopic, viscometric and molecular docking study. Archives of Biochemistry and Biophysics, 2019, 665, 107-113.	3.0	33
11	Differential role of arginine mutations on the structure and functions of α -crystallin. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 199-210.	2.4	21
12	Depicting the DNA binding and photo-nuclease ability of anti-mycobacterial drug rifampicin: A biophysical and molecular docking perspective. International Journal of Biological Macromolecules, 2019, 127, 187-196.	7.5	20
13	A S52P mutation in the α -crystallin domain of <i>Mycobacterium leprae</i> HSP18 reduces its oligomeric size and chaperone function. FEBS Journal, 2013, 280, 5994-6009.	4.7	19
14	Mercury based drug in ancient India: The red sulfide of mercury in nanoscale. Journal of Ayurveda and Integrative Medicine, 2017, 8, 93-98.	1.7	15
15	The C-terminal extension of Mycobacterium tuberculosis Hsp16.3 regulates its oligomerization, subunit exchange dynamics and chaperone function. FEBS Journal, 2017, 284, 277-300.	4.7	15
16	Development of Submergence-Tolerant, Bacterial Blight-Resistant, and High-Yielding Near Isogenic Lines of Popular Variety, <i>Swarna</i> Through Marker-Assisted Breeding Approach. Frontiers in Plant Science, 2021, 12, 672618.	3.6	15
17	Interaction of ATP with a Small Heat Shock Protein from Mycobacterium leprae: Effect on Its Structure and Function. PLoS Neglected Tropical Diseases, 2015, 9, e0003661.	3.0	13
18	Conformational perturbation, hydrophobic interactions and oligomeric association are responsible for the enhanced chaperone function of Mycobacterium leprae HSP18 under pre-thermal condition. RSC Advances, 2016, 6, 62146-62156.	3.6	11

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19	Role of Subunit Exchange and Electrostatic Interactions on the Chaperone Activity of Mycobacterium leprae HSP18. PLoS ONE, 2015, 10, e0129734.	2.5	11
20	Probing the structure-function relationship of Mycobacterium leprae HSP18 under different UV radiations. International Journal of Biological Macromolecules, 2018, 119, 604-616.	7.5	10
21	Evidences for zinc (II) and copper (II) ion interactions with Mycobacterium leprae HSP18: Effect on its structure and chaperone function. Journal of Inorganic Biochemistry, 2018, 188, 62-75.	3.5	6
22	M. leprae HSP18 suppresses copper (II) mediated ROS generation: Effect of redox stress on its structure and function. International Journal of Biological Macromolecules, 2020, 146, 648-660.	7.5	4
23	Marker-assisted selection for transfer of submergence tolerance, bacterial blight resistance and yield enhancement in the rice backcross derivatives. Australian Journal of Crop Science, 2020, , 1288-1294.	0.3	4
24	Role of ATP-Small Heat Shock Protein Interaction in Human Diseases. Frontiers in Molecular Biosciences, 2022, 9, 844826.	3.5	4
25	The impact of different mutations at arginine141 on the structure, subunit exchange dynamics and chaperone activity of Hsp16.3. Proteins: Structure, Function and Bioinformatics, 2020, 88, 759-774.	2.6	1
26	Ethnomedicinal and Ethnobotanical Investigations and Documentation of Plants Used by Traditional Healers of Eastern India. Current Traditional Medicine, 2022, 08, .	0.4	1
27	Cover Image, Volume 88, Issue 6. Proteins: Structure, Function and Bioinformatics, 2020, 88, C1.	2.6	0