

Gajendra Kumar Azad

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,497
citations

331670

21
h-index

361022

35
g-index

57
all docs

57
docs citations

57
times ranked

2436
citing authors

#	ARTICLE	IF	CITATIONS
1	Ebselen, a promising antioxidant drug: mechanisms of action and targets of biological pathways. <i>Molecular Biology Reports</i> , 2014, 41, 4865-4879.	2.3	266
2	The structural basis of accelerated host cell entry by SARS-CoV-2. <i>FEBS Journal</i> , 2021, 288, 5010-5020.	4.7	129
3	Ebselen induces reactive oxygen species (ROS)-mediated cytotoxicity in <i>Saccharomyces cerevisiae</i> with inhibition of glutamate dehydrogenase being a target. <i>FEBS Open Bio</i> , 2014, 4, 77-89.	2.3	78
4	An ebselen like catalyst with enhanced GPx activity via a selenol intermediate. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1215-1219.	2.8	58
5	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , 2021, 93, 1204-1206.	5.0	56
6	Identification of novel mutations in RNA-dependent RNA polymerases of SARS-CoV-2 and their implications on its protein structure. <i>PeerJ</i> , 2020, 8, e9492.	2.0	54
7	A unique view of SARS-CoV-2 through the lens of ORF8 protein. <i>Computers in Biology and Medicine</i> , 2021, 133, 104380.	7.0	48
8	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , 2021, 20, 102941.	5.8	39
9	Proteolytic clipping of histone tails: the emerging role of histone proteases in regulation of various biological processes. <i>Molecular Biology Reports</i> , 2014, 41, 2717-2730.	2.3	38
10	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 801-809.	7.5	36
11	Modifying Chromatin by Histone Tail Clipping. <i>Journal of Molecular Biology</i> , 2018, 430, 3051-3067.	4.2	33
12	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , 2020, 25, 5906.	3.8	33
13	Identification of a novel histone H3 specific protease activity in nuclei of chicken liver. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 261-267.	2.1	32
14	PARP1-dependent eviction of the linker histone H1 mediates immediate early gene expression during neuronal activation. <i>Journal of Cell Biology</i> , 2018, 217, 473-481.	5.2	32
15	Vimentin protects differentiating stem cells from stress. <i>Scientific Reports</i> , 2020, 10, 19525.	3.3	32
16	Variations in Orf3a protein of SARS-CoV-2 alter its structure and function. <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 100933.	1.3	32
17	Sen1, the homolog of human Senataxin, is critical for cell survival through regulation of redox homeostasis, mitochondrial function, and the TOR pathway in <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 2016, 283, 4056-4083.	4.7	28
18	COVID-19 Vaccines and Thrombosis—Roadblock or Dead-End Street?. <i>Biomolecules</i> , 2021, 11, 1020.	4.0	28

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19	Anti-cancer drug KP1019 modulates epigenetics and induces DNA damage response in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2014, 588, 1044-1052.	2.8	27
20	The Importance of Research on the Origin of SARS-CoV-2. <i>Viruses</i> , 2020, 12, 1203.	3.3	27
21	Depletion of Cellular Iron by Curcumin Leads to Alteration in Histone Acetylation and Degradation of Sml1p in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2013, 8, e59003.	2.5	25
22	The multifunctional transcription factor Rap1 a regulator of yeast physiology. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 918-930.	3.0	24
23	The molecular assessment of SARS-CoV-2 Nucleocapsid Phosphoprotein variants among Indian isolates. <i>Heliyon</i> , 2021, 7, e06167.	3.2	24
24	Identification and molecular characterization of mutations in nucleocapsid phosphoprotein of SARS-CoV-2. <i>PeerJ</i> , 2021, 9, e10666.	2.0	22
25	Sen1p Contributes to Genomic Integrity by Regulating Expression of Ribonucleotide Reductase 1 (RNR1) in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2013, 8, e64798.	2.5	21
26	Identification of twenty-five mutations in surface glycoprotein (Spike) of SARS-CoV-2 among Indian isolates and their impact on protein dynamics. <i>Gene Reports</i> , 2020, 21, 100891.	0.8	20
27	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2. <i>Archives of Biochemistry and Biophysics</i> , 2022, 717, 109124.	3.0	20
28	Anti-cancer drug KP1019 induces Hog1 phosphorylation and protein ubiquitylation in <i>Saccharomyces cerevisiae</i> . <i>European Journal of Pharmacology</i> , 2014, 736, 77-85.	3.5	19
29	Alternative SET/TAFI Promoters Regulate Embryonic Stem Cell Differentiation. <i>Stem Cell Reports</i> , 2017, 9, 1291-1303.	4.8	19
30	An Endogenously Tagged Fluorescent Fusion Protein Library in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2017, 9, 1304-1314.	4.8	19
31	Multifunctional Ebselen drug functions through the activation of DNA damage response and alterations in nuclear proteins. <i>Biochemical Pharmacology</i> , 2012, 83, 296-303.	4.4	18
32	Assessment of the Biological Pathways Targeted by Isocyanate Using N-Succinimidyl N-Methylcarbamate in Budding Yeast <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2014, 9, e92993.	2.5	16
33	Mitogen-activated protein kinase Hog1 is activated in response to curcumin exposure in the budding yeast <i>Saccharomyces cerevisiae</i> . <i>BMC Microbiology</i> , 2014, 14, 317.	3.3	15
34	Signaling of Chloroquine-Induced Stress in the Yeast <i>Saccharomyces cerevisiae</i> Requires the Hog1 and Slt2 Mitogen-Activated Protein Kinase Pathways. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5552-5566.	3.2	14
35	Identification of novel mutations in the methyltransferase complex (Nsp10-Nsp16) of SARS-CoV-2. <i>Biochemistry and Biophysics Reports</i> , 2020, 24, 100833.	1.3	13
36	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 128-143.	7.5	13

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37	Flocculation in <i>Saccharomyces cerevisiae</i> is regulated by RNA/DNA helicase Sen1p. FEBS Letters, 2015, 589, 3165-3174.	2.8	11
38	Implications derived from S-protein variants of SARS-CoV-2 from six continents. International Journal of Biological Macromolecules, 2021, 191, 934-955.	7.5	10
39	Emerging genetic diversity of SARS-CoV-2 RNA dependent RNA polymerase (RdRp) alters its B-cell epitopes. Biologicals, 2022, 75, 29-36.	1.4	9
40	The transcription factor Rap1p is required for tolerance to cell wall perturbing agents and for cell wall maintenance in <i>Saccharomyces cerevisiae</i> . FEBS Letters, 2015, 589, 59-67.	2.8	7
41	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. Autoimmunity Reviews, 2021, 20, 102909.	5.8	7
42	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2. PeerJ, 2022, 10, e13136.	2.0	7
43	Partial purification of histone H3 proteolytic activity from the budding yeast <i>Saccharomyces cerevisiae</i> . Yeast, 2016, 33, 217-226.	1.7	5
44	A Comprehensive, Multi-Modal Strategy to Mitigate Alzheimer's Disease Risk Factors Improves Aspects of Metabolism and Offsets Cognitive Decline in Individuals with Cognitive Impairment. Journal of Alzheimer's Disease Reports, 2020, 4, 1-8.	2.2	4
45	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. Environmental Research, 2022, 204, 112092.	7.5	4
46	Urgent Need for Field Surveys of Coronaviruses in Southeast Asia to Understand the SARS-CoV-2 Phylogeny and Risk Assessment for Future Outbreaks. Biomolecules, 2021, 11, 398.	4.0	3
47	Epigenetics: Role of Histone Proteases in Cellular Functions and Diseases. , 2014, , 113-126.		2
48	Molecular assessment of proteins encoded by the mitochondrial genome of <i>Clarias batrachus</i> and <i>Clarias gariepinus</i> . Biochemistry and Biophysics Reports, 2021, 26, 100985.	1.3	2
49	In vitro Histone H3 Cleavage Assay for Yeast and Chicken Liver H3 Protease. Bio-protocol, 2017, 7, e2085.	0.4	0