

# Gajendra Kumar Azad

## List of Publications by Citations

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50  
papers

924  
citations

17  
h-index

29  
g-index

57  
ext. papers

1,261  
ext. citations

5.1  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
50	Ebselen, a promising antioxidant drug: mechanisms of action and targets of biological pathways. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 4865-79	2.8	183
49	The structural basis of accelerated host cell entry by SARS-CoV-2. <i>FEBS Journal</i> , <b>2021</b> , 288, 5010-5020	5.7	73
48	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> , <b>2014</b> , 4, 77-89	2.7	61
47	An ebselen like catalyst with enhanced GPx activity via a selenol intermediate. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 1215-9	3.9	46
46	Identification of novel mutations in RNA-dependent RNA polymerases of SARS-CoV-2 and their implications on its protein structure. <i>PeerJ</i> , <b>2020</b> , 8, e9492	3.1	41
45	Proteolytic clipping of histone tails: the emerging role of histone proteases in regulation of various biological processes. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 2717-30	2.8	33
44	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , <b>2021</b> , 93, 1204-1206	6.7	31
43	Identification of a novel histone H3 specific protease activity in nuclei of chicken liver. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 421, 261-7	3.4	27
42	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 801-809	7.9	25
41	A unique view of SARS-CoV-2 through the lens of ORF8 protein. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 133, 104380	7	23
40	Modifying Chromatin by Histone Tail Clipping. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 3051-3067	6.5	22
39	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> , <b>2013</b> , 8, e59003	3.7	22
38	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , <b>2020</b> , 25,	4.8	21
37	Anti-cancer drug KP1019 modulates epigenetics and induces DNA damage response in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , <b>2014</b> , 588, 1044-52	3.8	21
36	Sen1p contributes to genomic integrity by regulating expression of ribonucleotide reductase 1 (RNR1) in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e64798	3.7	19
35	Anti-cancer drug KP1019 induces Hog1 phosphorylation and protein ubiquitylation in <i>Saccharomyces cerevisiae</i> . <i>European Journal of Pharmacology</i> , <b>2014</b> , 736, 77-85	5.3	18
34	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> , <b>2016</b> , 283, 4056-4083	5.7	17

33	Multifunctional Ebselen drug functions through the activation of DNA damage response and alterations in nuclear proteins. <i>Biochemical Pharmacology</i> , <b>2012</b> , 83, 296-303	6	16
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> , <b>2014</b> , 9, e92993	3.7	15
31	PARP1-dependent eviction of the linker histone H1 mediates immediate early gene expression during neuronal activation. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 473-481	7.3	14
30	Alternative SET/TAFI Promoters Regulate Embryonic Stem Cell Differentiation. <i>Stem Cell Reports</i> , <b>2017</b> , 9, 1291-1303	8	13
29	An Endogenously Tagged Fluorescent Fusion Protein Library in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , <b>2017</b> , 9, 1304-1314	8	13
28	COVID-19 Vaccines and Thrombosis-Roadblock or Dead-End Street?. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	13
27	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> , <b>2014</b> , 58, 5552-66	5.9	12
26	The multifunctional transcription factor Rap1: a regulator of yeast physiology. <i>Frontiers in Bioscience - Landmark</i> , <b>2016</b> , 21, 918-30	2.8	12
25	Mitogen-activated protein kinase Hog1 is activated in response to curcumin exposure in the budding yeast <i>Saccharomyces cerevisiae</i> . <i>BMC Microbiology</i> , <b>2014</b> , 14, 317	4.5	11
24	Identification and molecular characterization of mutations in nucleocapsid phosphoprotein of SARS-CoV-2. <i>PeerJ</i> , <b>2021</b> , 9, e10666	3.1	11
23	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> , <b>2020</b> , 21, 100891	1.4	10
22	Variations in Orf3a protein of SARS-CoV-2 alter its structure and function. <i>Biochemistry and Biophysics Reports</i> , <b>2021</b> , 26, 100933	2.2	9
21	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102941	13.6	9
20	Identification of novel mutations in RNA-dependent RNA polymerases of SARS-CoV-2 and their implications on its protein structure		7
19	The molecular assessment of SARS-CoV-2 Nucleocapsid Phosphoprotein variants among Indian isolates. <i>Heliyon</i> , <b>2021</b> , 7, e06167	3.6	7
18	Flocculation in <i>Saccharomyces cerevisiae</i> is regulated by RNA/DNA helicase Sen1p. <i>FEBS Letters</i> , <b>2015</b> , 589, 3165-74	3.8	6
17	The transcription factor Rap1p is required for tolerance to cell-wall perturbing agents and for cell-wall maintenance in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , <b>2015</b> , 589, 59-67	3.8	6
16	Vimentin protects differentiating stem cells from stress. <i>Scientific Reports</i> , <b>2020</b> , 10, 19525	4.9	6

15	A unique view of SARS-CoV-2 through the lens of ORF8 protein		5
14	Partial purification of histone H3 proteolytic activity from the budding yeast <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , <b>2016</b> , 33, 217-26	3.4	5
13	Identification of novel mutations in the methyltransferase complex (Nsp10-Nsp16) of SARS-CoV-2. <i>Biochemistry and Biophysics Reports</i> , <b>2020</b> , 24, 100833	2.2	4
12	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102909	13.6	4
11	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 194, 128-143	7.9	2
10	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2.. <i>Archives of Biochemistry and Biophysics</i> , <b>2022</b> , 717, 109124	4.1	2
9	Emerging genetic diversity of SARS-CoV-2 RNA dependent RNA polymerase (RdRp) alters its B-cell epitopes. <i>Biologicals</i> , <b>2021</b> ,	1.8	2
8	Epigenetics: Role of Histone Proteases in Cellular Functions and Diseases <b>2014</b> , 113-126		1
7	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. <i>Journal of Alzheimer's Disease Reports</i> , <b>2020</b> , 4, 223-230	3.3	1
6	An Issue of Concern: Unique Truncated ORF8 Protein Variants of SARS-CoV-2		1
5	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. <i>Environmental Research</i> , <b>2021</b> , 204, 112092	7.9	1
4	Implications derived from S-protein variants of SARS-CoV-2 from six continents. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 191, 934-955	7.9	1
3	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2.. <i>PeerJ</i> , <b>2022</b> , 10, e13136	3.1	1
2	Histone H3 Cleavage Assay for Yeast and Chicken Liver H3 Protease. <i>Bio-protocol</i> , <b>2017</b> , 7, e2085	0.9	
1	Molecular assessment of proteins encoded by the mitochondrial genome of and. <i>Biochemistry and Biophysics Reports</i> , <b>2021</b> , 26, 100985	2.2	