# Gajendra Kumar Azad

## List of Publications by Year in Descending Order



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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 | The importance of accessory protein variants in the pathogenicity of SARS-CoV-2.. *Archives of Biochemistry and Biophysics*, **2022**, 717, 109124 | 4.1 | 2 |
| 49 | An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2.. *PeerJ*, **2022**, 10, e13136 | 3.1 | 1 |
| 48 | Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. *International Journal of Biological Macromolecules*, **2021**, 194, 128-143 | 7.9 | 2 |
| 47 | Emerging genetic diversity of SARS-CoV-2 RNA dependent RNA polymerase (RdRp) alters its B-cell epitopes. *Biologicals*, **2021**, | 1.8 | 2 |
| 46 | The structural basis of accelerated host cell entry by SARS-CoV-2 *FEBS Journal*, **2021**, 288, 5010-5020 | 5.7 | 73 |
| 45 | A unique view of SARS-CoV-2 through the lens of ORF8 protein. *Computers in Biology and Medicine*, **2021**, 133, 104380 | 7 | 23 |
| 44 | Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. *International Journal of Biological Macromolecules*, **2021**, 181, 801-809 | 7.9 | 25 |
| 43 | Molecular assessment of proteins encoded by the mitochondrial genome of and. *Biochemistry and Biophysics Reports*, **2021**, 26, 100985 | 2.2 | |
| 42 | COVID-19 Vaccines and Thrombosis-Roadblock or Dead-End Street?. *Biomolecules*, **2021**, 11, | 5.9 | 13 |
| 41 | Questions concerning the proximal origin of SARS-CoV-2. *Journal of Medical Virology*, **2021**, 93, 1204-1206 | 19.7 | 31 |
| 40 | Identification and molecular characterization of mutations in nucleocapsid phosphoprotein of SARS-CoV-2. *PeerJ*, **2021**, 9, e10666 | 3.1 | 11 |
| 39 | The molecular assessment of SARS-CoV-2 Nucleocapsid Phosphoprotein variants among Indian isolates. *Heliyon*, **2021**, 7, e06167 | 3.6 | 7 |
| 38 | Variations in Orf3a protein of SARS-CoV-2 alter its structure and function. *Biochemistry and Biophysics Reports*, **2021**, 26, 100933 | 2.2 | 9 |
| 37 | Autoimmunity roots of the thrombotic events after COVID-19 vaccination. *Autoimmunity Reviews*, **2021**, 20, 102941 | 13.6 | 9 |
| 36 | Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. *Environmental Research*, **2021**, 204, 112092 | 7.9 | 1 |
| 35 | The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. *Autoimmunity Reviews*, **2021**, 20, 102909 | 13.6 | 4 |
| 34 | Implications derived from S-protein variants of SARS-CoV-2 from six continents. *International Journal of Biological Macromolecules*, **2021**, 191, 934-955 | 7.9 | 1 |

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|---|---|---|---|
| 33 | Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. *Molecules*, **2020**, 25, | 4.8 | 21 |
| 32 | Identification of novel mutations in RNA-dependent RNA polymerases of SARS-CoV-2 and their implications on its protein structure. *PeerJ*, **2020**, 8, e9492 | 3.1 | 41 |
| 31 | Identification of novel mutations in the methyltransferase complex (Nsp10-Nsp16) of SARS-CoV-2. *Biochemistry and Biophysics Reports*, **2020**, 24, 100833 | 2.2 | 4 |
| 30 | Identification of twenty-five mutations in surface glycoprotein (Spike) of SARS-CoV-2 among Indian isolates and their impact on protein dynamics. *Gene Reports*, **2020**, 21, 100891 | 1.4 | 10 |
| 29 | Vimentin protects differentiating stem cells from stress. *Scientific Reports*, **2020**, 10, 19525 | 4.9 | 6 |
| 28 | 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, 223-230 | 3.3 | 1 |
| 27 | PARP1-dependent eviction of the linker histone H1 mediates immediate early gene expression during neuronal activation. *Journal of Cell Biology*, **2018**, 217, 473-481 | 7.3 | 14 |
| 26 | Modifying Chromatin by Histone Tail Clipping. *Journal of Molecular Biology*, **2018**, 430, 3051-3067 | 6.5 | 22 |
| 25 | Alternative SET/TAFI Promoters Regulate Embryonic Stem Cell Differentiation. *Stem Cell Reports*, **2017**, 9, 1291-1303 | 8 | 13 |
| 24 | An Endogenously Tagged Fluorescent Fusion Protein Library in Mouse Embryonic Stem Cells. *Stem Cell Reports*, **2017**, 9, 1304-1314 | 8 | 13 |
| 23 | Histone H3 Cleavage Assay for Yeast and Chicken Liver H3 Protease. *Bio-protocol*, **2017**, 7, e2085 | 0.9 | |
| 22 | Sen1, the homolog of human Senataxin, is critical for cell survival through regulation of redox homeostasis, mitochondrial function, and the TOR pathway in Saccharomyces cerevisiae. *FEBS Journal*, **2016**, 283, 4056-4083 | 5.7 | 17 |
| 21 | The multifunctional transcription factor Rap1: a regulator of yeast physiology. *Frontiers in Bioscience - Landmark*, **2016**, 21, 918-30 | 2.8 | 12 |
| 20 | Partial purification of histone H3 proteolytic activity from the budding yeast Saccharomyces cerevisiae. *Yeast*, **2016**, 33, 217-26 | 3.4 | 5 |
| 19 | Flocculation in Saccharomyces cerevisiae is regulated by RNA/DNA helicase Sen1p. *FEBS Letters*, **2015**, 589, 3165-74 | 3.8 | 6 |
| 18 | The transcription factor Rap1p is required for tolerance to cell-wall perturbing agents and for cell-wall maintenance in Saccharomyces cerevisiae. *FEBS Letters*, **2015**, 589, 59-67 | 3.8 | 6 |
| 17 | An ebselen like catalyst with enhanced GPx activity via a selenol intermediate. *Organic and Biomolecular Chemistry*, **2014**, 12, 1215-9 | 3.9 | 46 |
| 16 | Anti-cancer drug KP1019 induces Hog1 phosphorylation and protein ubiquitylation in Saccharomyces cerevisiae. *European Journal of Pharmacology*, **2014**, 736, 77-85 | 5.3 | 18 |

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| 15 | Proteolytic clipping of histone tails: the emerging role of histone proteases in regulation of various biological processes. *Molecular Biology Reports*, **2014**, 41, 2717-30 | 2.8 | 33 |
| 14 | Signaling of chloroquine-induced stress in the yeast Saccharomyces cerevisiae requires the Hog1 and Slt2 mitogen-activated protein kinase pathways. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 5552-66 | 5.9 | 12 |
| 13 | Anti-cancer drug KP1019 modulates epigenetics and induces DNA damage response in Saccharomyces cerevisiae. *FEBS Letters*, **2014**, 588, 1044-52 | 3.8 | 21 |
| 12 | Ebselen induces reactive oxygen species (ROS)-mediated cytotoxicity in Saccharomyces cerevisiae with inhibition of glutamate dehydrogenase being a target. *FEBS Open Bio*, **2014**, 4, 77-89 | 2.7 | 61 |
| 11 | Epigenetics: Role of Histone Proteases in Cellular Functions and Diseases **2014**, 113-126 | | 1 |
| 10 | Ebselen, a promising antioxidant drug: mechanisms of action and targets of biological pathways. *Molecular Biology Reports*, **2014**, 41, 4865-79 | 2.8 | 183 |
| 9 | Mitogen-activated protein kinase Hog1 is activated in response to curcumin exposure in the budding yeast Saccharomyces cerevisiae. *BMC Microbiology*, **2014**, 14, 317 | 4.5 | 11 |
| 8 | Assessment of the biological pathways targeted by isocyanate using N-succinimidyl N-methylcarbamate in budding yeast Saccharomyces cerevisiae. *PLoS ONE*, **2014**, 9, e92993 | 3.7 | 15 |
| 7 | Depletion of cellular iron by curcumin leads to alteration in histone acetylation and degradation of Sml1p in Saccharomyces cerevisiae. *PLoS ONE*, **2013**, 8, e59003 | 3.7 | 22 |
| 6 | Sen1p contributes to genomic integrity by regulating expression of ribonucleotide reductase 1 (RNR1) in Saccharomyces cerevisiae. *PLoS ONE*, **2013**, 8, e64798 | 3.7 | 19 |
| 5 | Multifunctional Ebselen drug functions through the activation of DNA damage response and alterations in nuclear proteins. *Biochemical Pharmacology*, **2012**, 83, 296-303 | 6 | 16 |
| 4 | Identification of a novel histone H3 specific protease activity in nuclei of chicken liver. *Biochemical and Biophysical Research Communications*, **2012**, 421, 261-7 | 3.4 | 27 |
| 3 | Identification of novel mutations in RNA-dependent RNA polymerases of SARS-CoV-2 and their implications on its protein structure | | 7 |
| 2 | A unique view of SARS-CoV-2 through the lens of ORF8 protein | | 5 |
| 1 | An Issue of Concern: Unique Truncated ORF8 Protein Variants of SARS-CoV-2 | | 1 |