

# Sayak Ganguli

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

186  
citations

1477746

6  
h-index

1281420

11  
g-index

62  
all docs

62  
docs citations

62  
times ranked

210  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Metagenome analysis of the root endophytic microbial community of Indian rice ( <i>O. sativa</i> L.). <i>Genomics Data</i> , 2017, 12, 41-43.  | 1.3 | 34        |
| 2  | Complex molecular mechanisms underlying MYMIV-resistance in <i>Vigna mungo</i> revealed by comparative transcriptome profiling. <i>Scientific Reports</i> , 2019, 9, 8858.   | 1.6 | 25        |
| 3  | Analyses of MYMIV-induced transcriptome in <i>Vigna mungo</i> as revealed by next generation sequencing. <i>Genomics Data</i> , 2016, 7, 226-228.  | 1.3 | 10        |
| 4  | Rhizospheric metagenome of the terrestrial mangrove fern <i>Acrostichum</i> from Indian Sunderbans. <i>Genomics Data</i> , 2017, 14, 53-55.  | 1.3 | 10        |
| 5  | Reversible inactivation of yeast mitochondrial phenylalanyl-tRNA synthetase under oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1801-1809.                                 | 1.1 | 8         |
| 6  | Antagomirbase: A putative antagomir database. <i>Bioinformatics</i> , 2011, 7, 41-43.  | 0.2 | 8         |
| 7  | Gut microbial dataset of a foraging tribe from rural West Bengal - insights into unadulterated and transitional microbial abundance. <i>Data in Brief</i> , 2019, 25, 103963.  | 0.5 | 7         |
| 8  | Functions of long non-coding RNAs in plants: a riddle to explore. <i>Nucleus (India)</i> , 2018, 61, 261-272.  | 0.9 | 5         |
| 9  | SECONDARY STRUCTURAL ANALYSIS OF MICRORNA AND THEIR PRECURSORS IN PLANTS. <i>International Journal of Agriculture Sciences</i> , 2011, 3, 62-64.   | 0.0 | 5         |
| 10 | Genomic Designing Towards Biotic Stress Resistance in Mungbean and Urdbean. , 2022, , 381-414.   |     | 5         |
| 11 | Comparative metagenomic dataset of hospital effluent microbiome from rural and urban hospitals in West Bengal. <i>Data in Brief</i> , 2019, 25, 104264.  | 0.5 | 4         |
| 12 | Metagenome dataset of lateritic soil microbiota from Sadaipur, Birbhum, West Bengal, India. <i>Data in Brief</i> , 2021, 36, 107041.   | 0.5 | 4         |
| 13 | Targeting pseudoknots in H5N1 hemagglutinin using designed aptamers. <i>Bioinformatics</i> , 2009, 4, 193-196.   | 0.2 | 4         |
| 14 | Lysine richness in human snurps – possible sites for electrophilic attacks. <i>Bioinformatics</i> , 2010, 4, 409-411.  | 0.2 | 4         |
| 15 | Catalytic RNA world relics in Dicer RNAs. <i>International Journal of Genetics</i> , 2010, 2, 8-17.  | 0.0 | 4         |
| 16 | &lt;em>Shigella&/em>; pathogenesis: molecular and computational insights. <i>AIMS Molecular Science</i> , 2020, 7, 99-121.   | 0.3 | 4         |
| 17 | Screening and Identification of putative long non coding RNAs from transcriptome data of a high yielding blackgram ( <i>Vigna mungo</i> ), Cv. T9. <i>Data in Brief</i> , 2018, 17, 459-462.                         | 0.5 | 3         |
| 18 | CO-EXISTENCE OF HIGH LEVELS OF UNDERNUTRITION AND HYPERTENSION AMONG SABAR MALES OF PURULIA, WEST BENGAL, INDIA: A PARADOX. <i>International Journal of Advancement in Life Sciences Research</i> , 2019, 02, 38-47. | 0.1 | 3         |

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|----|--|-----|-----------|
| 19 | Protein Structure Prediction. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 48-79.  | 0.2 | 3         |
| 20 | Identification of regulatory sequence signatures in microRNA precursors implicated in neurological disorders. Advances in Bioscience and Biotechnology (Print), 2013, 04, 26-33.                               | 0.3 | 3         |
| 21 | An Integrated Approach to Comprehend MYMIV-Susceptibility of Blackgram Cv. T9 Possessing Allele of &lt;i>CYR1</i>, the Cognate R-Gene. American Journal of Plant Sciences, 2016, 07, 267-278.                  | 0.3 | 3         |
| 22 | Effect of Varying Nitrate Concentrations on Denitrifying Phosphorus Uptake by DPAOs With a Molecular Insight Into Pho Regulon Gene Expression. Frontiers in Microbiology, 2019, 10, 2586.                      | 1.5 | 2         |
| 23 | STRUCTURAL ANALYSIS AND MOLECULAR MODELING OF HUMAN DOPAMINE RECEPTOR 5 (DRD5). International Journal of Bioinformatics Research, 2010, 2, 96-102.   | 0.3 | 2         |
| 24 | INHIBITING H5N1 HAEMAGGLUTININ WITH SMALL MOLECULE LIGANDS. International Journal of Bioinformatics Research, 2011, 3, 185-189.  | 0.3 | 2         |
| 25 | PSEUDOKNOTS IN HUMAN SNRNPS. International Journal of Bioinformatics Research, 2011, 3, 194-199.   | 0.3 | 2         |
| 26 | Prediction of Indels and SNPâ€™s in Coding Regions of Glutathione Peroxidases â€™ An Important Enzyme in Redox Homeostasis of Plants. International Letters of Natural Sciences, 0, 7, 49-62.                  | 1.0 | 2         |
| 27 | The Silent Assassins: Informatics of Plant Viral Silencing Suppressors. , 2014, , 21-32.   |     | 1         |
| 28 | Structural insights and evaluation of the potential impact of missense variants on the interactions of SLIT2 with ROBO1/4 in cancer progression. Scientific Reports, 2020, 10, 21909.                          | 1.6 | 1         |
| 29 | A Pipeline for Assessment of Pathogenic Load in the Environment Using Microbiome Analysis. , 2021, , 493-510.  |     | 1         |
| 30 | Exploration of Rhizospheric Microbial Diversity of the Indian Sundarbans: A World Heritage Site. , 2021, , 435-452.  |     | 1         |
| 31 | The association between somatotype and nutritional status: a cross-sectional study among the adult Sabar males of Purulia, West Bengal, India. International Journal of Anthropology and Ethnology, 2021, 5, . | 0.1 | 1         |
| 32 | Structural Analysis of Predicted HIV-1 Secis Elements. World Journal of AIDS, 2011, 01, 208-218.   | 0.1 | 1         |
| 33 | In Silico Mutagenesis Reveals Specific Binding Residues that Regulate KSRP â€™ microRNA Precursor Interactions in Human. Annual Research & Review in Biology, 2014, 4, 143-153.                                | 0.4 | 1         |
| 34 | Molecular modeling of DICER and identification of phosphorylation sites. Bioinformation, 2010, 4, 412-416.   | 0.2 | 1         |
| 35 | RNA Interferenceâ€™Interactomics and Therapeutics. , 2011, , 347-356.  |     | 1         |
| 36 | Intelligent Access to Sequence and Structure Databases (IASSD) â€™ an interface for accessing information from major web databases. Bioinformation, 2014, 10, 764-766.   | 0.2 | 1         |

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|----|---|-----|-----------|
| 37 | Exploring Computational Protein Fishing (CPF) to Identify Argonaute Proteins from Sequenced Crop Genomes. <i>International Letters of Natural Sciences</i> , 0, 33, 27-36.                              | 1.0 | 1         |
| 38 | Molecular modeling and simulation of three important components of Plant Pathogen Interaction cascade in <i>Vigna mungo</i> . <i>Bioinformatics</i> , 2017, 13, 323-326.                                | 0.2 | 1         |
| 39 | Metagenomics-Guided Assessment of Water Quality and Predicting Pathogenic Load. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 71-91.                                   | 0.4 | 1         |
| 40 | First report of gut bacterial dataset of a tribal Bhutia family from West Bengal, India. <i>Data in Brief</i> , 2022, 41, 107859.   | 0.5 | 1         |
| 41 | Identification of conserved regulatory motif signatures in human miRNA upstream regions. , 2016, , .  |     | 0         |
| 42 | The Interactomics of the RNA-Induced Silencing Complex. , 2018, , 193-206.  |     | 0         |
| 43 | Disease Informatics. , 2018, , 245-261.   |     | 0         |
| 44 | Transcriptome-based identification of small RNA in plants: The need for robust prediction algorithms. , 2020, , 65-97.  |     | 0         |
| 45 | Does Air Quality Influence the Spread of the SARS - COV2 in Metropolitan Cities? - A Case Study from Urban India. <i>Current World Environment Journal</i> , 2021, 16, 628-648.                         | 0.2 | 0         |
| 46 | GENOME WIDE SNRNP MOTIFS AND REGULATORY SEQUENCES IN HIV1 ISOLATES. <i>International Journal of Bioinformatics Research</i> , 2009, 1, 14-26.   | 0.3 | 0         |
| 47 | STRUCTURAL AND FUNCTIONAL ANALYSIS OF GLUTATHIONE PEROXIDASE FROM <i>RICINUS COMMUNIS</i> L. â€“ A COMPUTATIONAL APPROACH. <i>International Journal of Bioinformatics Research</i> , 2010, 2, 20-30.    | 0.3 | 0         |
| 48 | Phylogenetic signatures of functional conservedness in lantibiotics- an in-silico regulomics study. <i>Indian Journal of Medical Research</i> , 2010, 2, 5-11.  | 0.0 | 0         |
| 49 | STRUCTURAL ANALYSIS OF LEUCOCINE â€“ AN ESSENTIAL BACTERIOCIN. <i>International Journal of Bioinformatics Research</i> , 2010, 2, 1-6.  | 0.3 | 0         |
| 50 | Structural Analyses of <i>Shigella</i> Invasion Proteins Reveals Non-Conserved; Intrinsically Unstructured Regions. <i>International Letters of Natural Sciences</i> , 0, 5, 52-58.                     | 1.0 | 0         |
| 51 | Identifying Overlapping Phylogenetic and Geographic Roots of HIV â€“ 1 Evolution through Computational Analyses. <i>International Letters of Natural Sciences</i> , 0, 7, 23-29.                        | 1.0 | 0         |
| 52 | Phylogenetic Trends of Plant Glutathione peroxidases Revealed by Kohonen Maps (SOMâ€™s). <i>Annual Research &amp; Review in Biology</i> , 2014, 4, 3810-3815.   | 0.4 | 0         |
| 53 | Characterization and Analyses of Hydrophobic Clusters, Acetylation and Myristoylation Sites in Plant Glutathione Peroxidase Sequences. <i>International Letters of Natural Sciences</i> , 0, 28, 27-33. | 1.0 | 0         |
| 54 | Structural Analyses of AC4 Protein of Sri Lankan Cassava Mosaic Virus. <i>International Letters of Natural Sciences</i> , 0, 33, 37-42.   | 1.0 | 0         |

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|----|---|-----|-----------|
| 55 | Isolation and Computational Characterization of Glutathione Peroxidase Gene from an Aquatic Fern - <i>Salvinia molesta</i> . International Letters of Natural Sciences, 0, 51, 58-62.   | 1.0 | 0         |
| 56 | Identification of Pseudoknot in the Intergenic Region between VP30 and VP24 Gene of Ebola Virus and Designing Aptamer against the Pseudoknot. International Journal of Current Research in Biosciences and Plant Biology, 2016, 3, 54-58. | 0.1 | 0         |
| 57 | In Vitro and Computational Assessment of Genotoxic Potential of Active Constituents Present in Three Medicinally Important Plant Extracts. International Journal of Current Research in Biosciences and Plant Biology, 2017, 4, 119-128.  | 0.1 | 0         |
| 58 | Age-related Variations in Anthropometry, Body Composition and Nutritional Status among the Adult Kheria Sabar Males of Purulia, West Bengal, India. Collegium Antropologicum, 2020, 44, 73-80.  | 0.1 | 0         |
| 59 | Biophysical Characterization of Interaction between E. coli Alanyl-tRNA Synthase with its Promoter DNA. Protein and Peptide Letters, 2020, 27, 635-648.   | 0.4 | 0         |
| 60 | Dietary Intake and Nutritional Status of the adult Kheria Sabar males of West Bengal, India. Ecology of Food and Nutrition, 2022, , 1-18.   | 0.8 | 0         |