

Supriyo Chakraborty, Pdf

List of Publications by Year in descending order

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88
papers

2,084
citations

430442

18
h-index

276539

41
g-index

90
all docs

90
docs citations

90
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on coronary artery disease, its risk factors, and therapeutics. <i>Journal of Cellular Physiology</i> , 2019, 234, 16812-16823.	2.0	521
2	Interplay between miRNAs and human diseases. <i>Journal of Cellular Physiology</i> , 2018, 233, 2007-2018.	2.0	314
3	miRNAs and ovarian cancer: An overview. <i>Journal of Cellular Physiology</i> , 2018, 233, 3846-3854.	2.0	150
4	Drug resistant Tuberculosis: A review. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2021, 74, 101574.	0.7	78
5	A glance at genome editing with CRISPR-Cas9 technology. <i>Current Genetics</i> , 2020, 66, 447-462.	0.8	57
6	Role of miRNAs in lung cancer. <i>Journal of Cellular Physiology</i> , 2018, , .	2.0	51
7	Codon usage trend in mitochondrial CYB gene. <i>Gene</i> , 2016, 586, 105-114.	1.0	44
8	Analysis of codon usage bias of chloroplast genes in <i>Oryza</i> species. <i>Planta</i> , 2020, 252, 67.	1.6	42
9	Codon usage pattern and prediction of gene expression level in <i>Bungarus</i> species. <i>Gene</i> , 2017, 604, 48-60.	1.0	39
10	Synonymous codon usage pattern in mitochondrial CYB gene in pisces, aves, and mammals. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2017, 28, 187-196.	0.7	32
11	Codon usage pattern and its influencing factors in different genomes of hepadnaviruses. <i>Archives of Virology</i> , 2020, 165, 557-570.	0.9	29
12	Codon Usage Pattern of Genes Involved in Central Nervous System. <i>Molecular Neurobiology</i> , 2019, 56, 1737-1748.	1.9	28
13	Codon usage bias and its influencing factors for Y-linked genes in human. <i>Computational Biology and Chemistry</i> , 2017, 69, 77-86.	1.1	26
14	Analysis of codon usage patterns and influencing factors in Nipah virus. <i>Virus Research</i> , 2019, 263, 129-138.	1.1	26
15	The codon usage pattern of genes involved in ovarian cancer. <i>Annals of the New York Academy of Sciences</i> , 2019, 1440, 67-78.	1.8	23
16	Similarities and dissimilarities of codon usage in mitochondrial ATP genes among fishes, aves, and mammals. <i>IUBMB Life</i> , 2020, 72, 899-914.	1.5	22
17	Codon usage pattern in human SPANX genes. <i>Bioinformatics</i> , 2015, 11, 454-459.	0.2	21
18	Composition, codon usage pattern, protein properties, and influencing factors in the genomes of members of the family Anelloviridae. <i>Archives of Virology</i> , 2021, 166, 461-474.	0.9	20

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19	Compositional dynamics and codon usage pattern of BRCA1 gene across nine mammalian species. <i>Genomics</i> , 2019, 111, 167-176.	1.3	19
20	Gaining Insights into the Codon Usage Patterns of TP53 Gene across Eight Mammalian Species. <i>PLoS ONE</i> , 2015, 10, e0121709.	1.1	19
21	Cytochrome P450 genes in coronary artery diseases: Codon usage analysis reveals genomic GC adaptation. <i>Gene</i> , 2016, 590, 35-43.	1.0	18
22	Factors influencing codon usage of mitochondrial ND1 gene in pisces, aves and mammals. <i>Mitochondrion</i> , 2017, 37, 17-26.	1.6	18
23	Codon bias and gene expression of mitochondrial ND2 gene in chordates. <i>Bioinformatics</i> , 2015, 11, 407-412.	0.2	18
24	Analysis of codon usage pattern of mitochondrial protein-coding genes in different hookworms. <i>Molecular and Biochemical Parasitology</i> , 2018, 219, 24-32.	0.5	17
25	Understanding molecular biology of codon usage in mitochondrial complex IV genes of electron transport system: Relevance to mitochondrial diseases. <i>Journal of Cellular Physiology</i> , 2019, 234, 6397-6413.	2.0	17
26	Compositional properties and codon usage of TP73 gene family. <i>Gene</i> , 2019, 683, 159-168.	1.0	17
27	Genetic evolution and codon usage analysis of NKX-2.5 gene governing heart development in some mammals. <i>Genomics</i> , 2020, 112, 1319-1329.	1.3	17
28	Recombination hotspots: Models and tools for detection. <i>DNA Repair</i> , 2016, 40, 47-56.	1.3	16
29	A Crosstalk on Antimicrobial Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 229-244.	0.9	16
30	Nucleotide composition determines the role of translational efficiency in human genes. <i>Bioinformatics</i> , 2017, 13, 46-53.	0.2	16
31	Transcription factor gene GATA2 : Association of leukemia and nonsynonymous to the synonymous substitution rate across five mammals. <i>Genomics</i> , 2016, 107, 155-161.	1.3	15
32	Codon usage bias and phylogenetic analysis of mitochondrial ND1 gene in pisces, aves, and mammals. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 36-48.	0.7	15
33	The significance of gene mutations across eight major cancer types. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 88-99.	2.4	15
34	Codon usage and amino acid usage influence genes expression level. <i>Genetica</i> , 2018, 146, 53-63.	0.5	14
35	Genome-wide comparison of codon usage dynamics in mitochondrial genes across different species of amphibian genus <i>Bombina</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2019, 332, 99-112.	0.6	14
36	Role of microRNA in forming breast carcinoma. <i>Life Sciences</i> , 2020, 259, 118256.	2.0	13

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37	Codon usage pattern of complex III gene of respiratory chain among platyhelminths. <i>Infection, Genetics and Evolution</i> , 2018, 57, 128-137.	1.0	12
38	Mutation pressure and natural selection on codon usage in chloroplast genes of two species in <i>Pisum</i> L. (Fabaceae: Faboideae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2019, 30, 664-673.	0.7	12
39	Codon usage vis-a-vis start and stop codon context analysis of three dicot species. <i>Journal of Genetics</i> , 2018, 97, 97-107.	0.4	11
40	Prediction of Potential Epitopes for Peptide Vaccine Formulation Against Teschovirus A Using Immunoinformatics. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1137-1146.	0.9	11
41	Genome-wide analysis of codon usage pattern in herpesviruses and its relation to evolution. <i>Virus Research</i> , 2021, 292, 198248.	1.1	11
42	Insights into the Usage of Nucleobase Triplets and Codon Context Pattern in Five Influenza A Virus Subtypes. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1972-1982.	0.9	11
43	Compositional Constraint Is the Key Force in Shaping Codon Usage Bias in Hemagglutinin Gene in H1N1 Subtype of InfluenzaAVirus. <i>International Journal of Genomics</i> , 2014, 2014, 1-7.	0.8	10
44	A cross talk between codon usage bias in human oncogenes. <i>Bioinformation</i> , 2014, 10, 256-262.	0.2	10
45	Gene expression, nucleotide composition and codon usage bias of genes associated with human Y chromosome. <i>Genetica</i> , 2017, 145, 295-305.	0.5	9
46	Preference of A/T ending codons in mitochondrial ATP6 gene under phylum Platyhelminthes. <i>Molecular and Biochemical Parasitology</i> , 2018, 225, 15-26.	0.5	9
47	Japanese encephalitis virus: A multi-epitope loaded peptide vaccine formulation using reverse vaccinology approach. <i>Infection, Genetics and Evolution</i> , 2020, 78, 104106.	1.0	9
48	Analysis of compositional properties and codon usage bias of mitochondrial CYB gene in anura, urodela and gymnophiona. <i>Gene</i> , 2020, 751, 144762.	1.0	9
49	Factors affecting the codon usage bias of SRY gene across mammals. <i>Gene</i> , 2017, 630, 13-20.	1.0	8
50	Codon usage and expression level of human mitochondrial 13 protein coding genes across six continents. <i>Mitochondrion</i> , 2018, 42, 64-76.	1.6	8
51	A Study on microRNAs Targeting the Genes Overexpressed in Lung Cancer and their Codon Usage Patterns. <i>Molecular Biotechnology</i> , 2022, 64, 1095-1119.	1.3	8
52	Compositional properties and codon usage pattern of mitochondrial ATP gene in different classes of Arthropoda. <i>Genetica</i> , 2019, 147, 231-248.	0.5	7
53	Prediction of gene expression and codon usage in human parasitic helminths. <i>Genes and Genomics</i> , 2017, 39, 27-36.	0.5	6
54	Stress induced MAPK genes show distinct pattern of codon usage in <i>Arabidopsis thaliana</i> , <i>Glycine max</i> and <i>Oryza sativa</i> . <i>Bioinformation</i> , 2014, 10, 436-442.	0.2	6

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55	Allele frequency for Cystic fibrosis in Indians vis-a-vis global populations. <i>Bioinformation</i> , 2015, 11, 348-352.	0.2	6
56	Codon Usage Bias in Two Hemipteran Insect Species: <i>Bemisia tabaci</i> and <i>Homalodisca coagulata</i> . <i>Advances in Biology</i> , 2014, 2014, 1-7.	1.2	5
57	Compositional bias coupled with selection and mutation pressure drives codon usage in <i>Brassica campestris</i> genes. <i>Food Science and Biotechnology</i> , 2018, 27, 725-733.	1.2	5
58	Transcript free energy positively correlates with codon usage bias in mitochondrial genes of <i>Calypogeia</i> species (Calypogeiaceae, Marchantiophyta). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2019, 30, 201-213.	0.7	5
59	DNA compositional dynamics and codon usage patterns of M1 and M2 matrix protein genes in influenza A virus. <i>Infection, Genetics and Evolution</i> , 2019, 67, 7-16.	1.0	5
60	Insights into the nucleotide composition and codon usage pattern of human tumor suppressor genes. <i>Molecular Carcinogenesis</i> , 2020, 59, 15-23.	1.3	5
61	Codon usage pattern and evolutionary forces of mitochondrial ND genes among orders of class Amphibia. <i>Journal of Cellular Physiology</i> , 2021, 236, 2850-2868.	2.0	5
62	Understanding the codon usage patterns of mitochondrial CO genes among Amphibians. <i>Gene</i> , 2021, 777, 145462.	1.0	5
63	Codon usage pattern and its influencing factors for mitochondrial CO genes among different classes of Arthropoda. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2020, 31, 313-326.	0.7	4
64	Analysis of codon usage pattern of mitochondrial ND genes in Platyhelminthes. <i>Molecular and Biochemical Parasitology</i> , 2020, 238, 111294.	0.5	4
65	Analysis of codon usage of Horseshoe Bat Hepatitis B virus and its host. <i>Virology</i> , 2021, 561, 69-79.	1.1	4
66	Synonymous codon usage and context analysis of genes associated with pancreatic cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2020, 821, 111719.	0.4	3
67	Codon usage trend in genes associated with obesity. <i>Biotechnology Letters</i> , 2020, 42, 1865-1875.	1.1	3
68	Allele frequency analysis of GALC gene causing Krabbe disease in human and its codon usage. <i>Gene</i> , 2020, 747, 144673.	1.0	3
69	A Crosstalk on Codon Usage in Genes Associated with Leukemia. <i>Biochemical Genetics</i> , 2021, 59, 235-255.	0.8	3
70	Silencing lung cancer genes using miRNAs identified by 7mer-seed matching. <i>Computational Biology and Chemistry</i> , 2021, 92, 107483.	1.1	3
71	Analysis of codon usage bias in mitochondrial CO gene among platyhelminthes. <i>Molecular and Biochemical Parasitology</i> , 2021, 245, 111410.	0.5	3
72	Prediction of microRNAs in <i>Pseudomonas syringae</i> pv. tomato DC3000 and their potential target prediction in <i>Solanum lycopersicum</i> . <i>Gene Reports</i> , 2021, 25, 101360.	0.4	3

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73	Influencing elements of codon usage bias in Birnaviridae and its evolutionary analysis. <i>Virus Research</i> , 2022, 310, 198672.	1.1	3
74	Codon usage vis-a-vis start and stop codon context analysis of three dicot species. <i>Journal of Genetics</i> , 2018, 97, 97-107.	0.4	3
75	Identification of promising CD8 and CD4 T cell epitopes for peptide vaccine formulation against SARS-CoV-2. <i>Archives of Microbiology</i> , 2022, 204, 242.	1.0	3
76	Guanine and Cytosine at the Second Codon Position Influence Gene Expression in Cereals. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2015, 85, 1105-1115.	0.4	2
77	Compositional features and codon usage pattern of TP63 gene. <i>Computational Biology and Chemistry</i> , 2019, 83, 107119.	1.1	2
78	A cross-talk on compositional dynamics and codon usage patterns of mitochondrial CYB gene in Echinodermata. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2019, 30, 351-366.	0.7	2
79	Analysis of mitochondrial protein-coding genes of <i>Antheraea assamensis</i> : Muga silkworm of Assam. <i>Archives of Insect Biochemistry and Physiology</i> , 2021, 106, e21750.	0.6	2
80	Free energy of mRNA positively correlates with GC content in chloroplast transcriptomes of edible legumes. <i>Genomics</i> , 2021, 113, 2826-2838.	1.3	2
81	Distinctive features gleaned from the comparative genomes analysis of clinical and non-clinical isolates of <i>Klebsiella pneumoniae</i> . <i>Bioinformatics</i> , 2020, 16, 256-266.	0.2	2
82	Compositional features and pattern of codon usage for mitochondrial CO genes among reptiles. <i>Mitochondrion</i> , 2022, 62, 111-121.	1.6	2
83	Identification of novel microRNAs in Rous sarcoma Virus (RSV) and their target sites in tumor suppressor genes of chicken. <i>Infection, Genetics and Evolution</i> , 2021, 96, 105139.	1.0	2
84	Dissimilar substitution rates between two strands of DNA influence codon usage pattern in some human genes. <i>Gene</i> , 2018, 645, 179-187.	1.0	1
85	Chronic obstructive pulmonary disease: A crosstalk on nucleotide compositional dynamics and codon usage patterns of the genes involved in disease. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 7649-7656.	1.2	0
86	Genome wide analysis of <i>Mycobacterium leprae</i> for identification of putative microRNAs and their possible targets in human. <i>Biologia (Poland)</i> , 2021, 76, 2437-2454.	0.8	0
87	Identification of putative microRNAs in the complete genome of <i>Mycobacterium avium</i> and their possible interaction with human transcripts. <i>Journal of Applied Genetics</i> , 2021, 63, 169.	1.0	0
88	Binding sites of miRNA on the overexpressed genes of oral cancer using 7mer-seed match. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 1507-1526.	1.4	0