

Manojit Bhattacharya

List of Publications by Year in Descending Order

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Version: 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

1,516
citations

20
h-index

36
g-index

107
ext. papers

2,263
ext. citations

4.5
avg, IF

5.83
L-index

#	Paper	IF	Citations
97	Bioengineering of Novel Non-Replicating mRNA (NRM) and Self-Amplifying mRNA (SAM) Vaccine Candidates Against SARS-CoV-2 Using Immunoinformatics Approach.. <i>Molecular Biotechnology</i> , 2022 , 1	3	3
96	A Detailed Overview of Immune Escape, Antibody Escape, Partial Vaccine Escape of SARS-CoV-2 and Their Emerging Variants With Escape Mutations.. <i>Frontiers in Immunology</i> , 2022 , 13, 801522	8.4	11
95	TN strain proteome mediated therapeutic target mapping and multi-epitopic peptide-based vaccine development for Mycobacterium leprae.. <i>Infection, Genetics and Evolution</i> , 2022 , 99, 105245	4.5	2
94	A Paradigm Shift in the Combination Changes of SARS-CoV-2 Variants and Increased Spread of Delta Variant (B.1.617.2) across the World 2022 , 13, 927		3
93	Evaluation and Designing of Epitopic-Peptide Vaccine Against Using M-Polyprotein Target Sequences. <i>International Journal of Peptide Research and Therapeutics</i> , 2022 , 28, 5	2.1	
92	Anthropogenic Stress on River Health: With Special Reference to Kangsabati River, West Bengal, India 2022 , 39-61		0
91	River Health and Ecology: Perspective View and Approach 2022 , 1-7		
90	Role of Modern Biotechnology in the Era of River Water Pollution 2022 , 63-79		0
89	Omicron variant (B.1.1.529) of SARS-CoV-2: understanding mutations in the genome, S-glycoprotein, and antibody-binding regions.. <i>GeroScience</i> , 2022 ,	8.9	7
88	Hybrid immunity against COVID-19 in different countries with a special emphasis on the Indian scenario during the Omicron period.. <i>International Immunopharmacology</i> , 2022 , 108, 108766	5.8	2
87	Comparative genomics, evolutionary epidemiology, and RBD-hACE2 receptor binding pattern in B.1.1.7 (alpha) and B.1.617.2 (delta) related to their pandemic response in UK and India.. <i>Infection, Genetics and Evolution</i> , 2022 , 105282	4.5	1
86	Recombinant SARS-CoV-2 variants XD, XE, and XF: The emergence of recombinant variants requires an urgent call for research - Correspondence.. <i>International Journal of Surgery</i> , 2022 , 106670	7.5	3
85	Understanding Gene Expression and Transcriptome Profiling of COVID-19: An Initiative Towards the Mapping of Protective Immunity Genes Against SARS-CoV-2 Infection.. <i>Frontiers in Immunology</i> , 2021 , 12, 724936	8.4	3
84	A Next-Generation Vaccine Candidate Using Alternative Epitopes to Protect against Wuhan and All Significant Mutant Variants of SARS-CoV-2: An Immunoinformatics Approach 2021 , 12, 2173-2195		8
83	D614G mutation and SARS-CoV-2: impact on S-protein structure, function, infectivity, and immunity. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 9035-9045	5.7	10
82	The Drug Repurposing for COVID-19 Clinical Trials Provide Very Effective Therapeutic Combinations: Lessons Learned From Major Clinical Studies. <i>Frontiers in Pharmacology</i> , 2021 , 12, 704205 ^{5.6}		13
81	Emerging mutations in the SARS-CoV-2 variants and their role in antibody escape to small molecule-based therapeutic resistance.. <i>Current Opinion in Pharmacology</i> , 2021 , 62, 64-73	5.1	7

80	Understanding the molecular evolution of tiger diversity through DNA barcoding marker ND4 and NADH dehydrogenase complex using computational biology. <i>Genes and Genomics</i> , 2021 , 43, 759-773	2.1	0
79	Exploring the binding efficacy of ivermectin against the key proteins of SARS-CoV-2 pathogenesis: an in silico approach. <i>Future Virology</i> , 2021 , 16, 277-291	2.4	20
78	SARS-CoV-2 and other human coronaviruses: Mapping of protease recognition sites, antigenic variation of spike protein and their grouping through molecular phylogenetics. <i>Infection, Genetics and Evolution</i> , 2021 , 89, 104729	4.5	1
77	Immunoinformatics Approach for the Identification and Characterization of T Cell and B Cell Epitopes towards the Peptide-Based Vaccine against SARS-CoV-2. <i>Archives of Medical Research</i> , 2021 , 52, 362-370	6.6	10
76	SARS-CoV-2 Brazil variants in Latin America: More serious research urgently needed on public health and vaccine protection. <i>Annals of Medicine and Surgery</i> , 2021 , 66, 102428	2	12
75	In-silico analysis of non-synonymous SNPs of human LDLR gene and their impact on familial hypercholesterolemia. <i>Gene Reports</i> , 2021 , 23, 101127	1.4	1
74	Asian-Origin Approved COVID-19 Vaccines and Current Status of COVID-19 Vaccination Program in Asia: A Critical Analysis. <i>Vaccines</i> , 2021 , 9,	5.3	7
73	Determination of k-mer density in a DNA sequence and subsequent cluster formation algorithm based on the application of electronic filter. <i>Scientific Reports</i> , 2021 , 11, 13701	4.9	2
72	Lessons Learned from Cutting-Edge Immunoinformatics on Next-Generation COVID-19 Vaccine Research. <i>International Journal of Peptide Research and Therapeutics</i> , 2021 , 27, 1-9	2.1	3
71	Designing of a novel multi-epitope peptide based vaccine against <i>Brugia malayi</i> : An in silico approach. <i>Infection, Genetics and Evolution</i> , 2021 , 87, 104633	4.5	9
70	Response to: Status of Remdesivir: Not Yet Beyond Question!. <i>Archives of Medical Research</i> , 2021 , 52, 104-106	6.6	5
69	Applications of Artificial Intelligence (AI) Protecting from COVID-19 Pandemic: A Clinical and Socioeconomic Perspective. <i>EAI/Springer Innovations in Communication and Computing</i> , 2021 , 45-60	0.6	0
68	A Novel Multi-Epitopic Peptide Vaccine Candidate Against : In-Silico Identification, Design, Cloning and Validation Through Molecular Dynamics. <i>International Journal of Peptide Research and Therapeutics</i> , 2021 , 27, 1-18	2.1	12
67	Emerging Threats of Microplastic Contaminant in Freshwater Environment. <i>Environmental Challenges and Solutions</i> , 2021 , 247-258	0	1
66	Assessment of Groundwater Resource Pollution in Kangsabati River Basin, Paschim Medinipur, West Bengal, India. <i>Springer Hydrogeology</i> , 2021 , 357-370	0.4	
65	SARS-CoV-2 protein drug targets landscape: a potential pharmacological insight view for the new drug development. <i>Expert Review of Clinical Pharmacology</i> , 2021 , 14, 225-238	3.8	10
64	IoT-Based Computational Frameworks in Disease Prediction and Healthcare Management: Strategies, Challenges, and Potential. <i>Studies in Computational Intelligence</i> , 2021 , 17-41	0.8	3
63	CRISPR-Cas9: A Preclinical and Clinical Perspective for the Treatment of Human Diseases. <i>Molecular Therapy</i> , 2021 , 29, 571-586	11.7	37

62	From COVID-19 to Cancer mRNA Vaccines: Moving From Bench to Clinic in the Vaccine Landscape. <i>Frontiers in Immunology</i> , 2021 , 12, 679344	8.4	23
61	Evolution, Mode of Transmission, and Mutational Landscape of Newly Emerging SARS-CoV-2 Variants. <i>MBio</i> , 2021 , 12, e0114021	7.8	21
60	The current second wave and COVID-19 vaccination status in India. <i>Brain, Behavior, and Immunity</i> , 2021 , 96, 1-4	16.6	18
59	Recent research progress on circular RNAs: Biogenesis, properties, functions, and therapeutic potential. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 25, 355-371	10.7	3
58	Designing an effective therapeutic siRNA to silence RdRp gene of SARS-CoV-2. <i>Infection, Genetics and Evolution</i> , 2021 , 93, 104951	4.5	8
57	Plant-based vaccine research development against viral diseases with emphasis on Ebola virus disease: A review study. <i>Current Opinion in Pharmacology</i> , 2021 , 60, 261-267	5.1	2
56	All Nations Must Prioritize the COVID-19 Vaccination Program for Elderly Adults Urgently 2021 , 12, 688-690		6
55	Ongoing Clinical Trials of Vaccines to Fight against COVID-19 Pandemic. <i>Immune Network</i> , 2021 , 21, e5	6.1	12
54	COVID-19 vaccine: Challenges in developing countries and India's initiatives. <i>Infezioni in Medicina</i> , 2021 , 29, 165-166	3.6	3
53	COVID-19 vaccines and vaccination program for aging adults. <i>European Review for Medical and Pharmacological Sciences</i> , 2021 , 25, 6719-6730	2.9	0
52	Single-cell sequencing of miRNAs: A modified technology. <i>Cell Biology International</i> , 2020 , 44, 1773-1780	4.5	5
51	Consider TLR5 for new therapeutic development against COVID-19. <i>Journal of Medical Virology</i> , 2020 , 92, 2314-2315	19.7	40
50	Extensive Partnership, Collaboration, and Teamwork is Required to Stop the COVID-19 Outbreak. <i>Archives of Medical Research</i> , 2020 , 51, 728-730	6.6	38
49	COVID-19: Consider IL-6 receptor antagonist for the therapy of cytokine storm syndrome in SARS-CoV-2 infected patients. <i>Journal of Medical Virology</i> , 2020 , 92, 2260-2262	19.7	47
48	Tocilizumab: A Therapeutic Option for the Treatment of Cytokine Storm Syndrome in COVID-19. <i>Archives of Medical Research</i> , 2020 , 51, 595-597	6.6	60
47	Identification and pathogenicity study of emerging fish pathogens <i>Acinetobacter junii</i> and <i>Acinetobacter pittii</i> recovered from a disease outbreak in <i>Labeo catla</i> (Hamilton, 1822) and <i>Hypophthalmichthys molitrix</i> (Valenciennes, 1844) of freshwater wetland in West Bengal, India. <i>Aquaculture Research</i> , 2020 , 51, 2410-2420	1.9	13
46	Length-Weight Relationship analysis of four freshwater fish Species from Doyang reservoir at Nagaland, India. <i>Journal of Applied Ichthyology</i> , 2020 , 36, 249-250	0.9	
45	Insight into Evolution and Conservation Patterns of B1-Subfamily Members of GPCR. <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 1-13	2.1	0

44	Interaction between miRNAs and signaling cascades of Wnt pathway in chronic lymphocytic leukemia. <i>Journal of Cellular Biochemistry</i> , 2020 , 121, 4654-4666	4.7	1
43	Development of epitope-based peptide vaccine against novel coronavirus 2019 (SARS-COV-2): Immunoinformatics approach. <i>Journal of Medical Virology</i> , 2020 , 92, 618-631	19.7	237
42	Identification and Design of a Next-Generation Multi Epitopes Bases Peptide Vaccine Candidate Against Prostate Cancer: An In Silico Approach. <i>Cell Biochemistry and Biophysics</i> , 2020 , 78, 495-509	3.2	8
41	Tidal Morphology and Environmental Consequences of Rasulpur River in the Era of Anthropocene 2020 , 357-379		
40	SARS-CoV-2 causing pneumonia-associated respiratory disorder (COVID-19): diagnostic and proposed therapeutic options. <i>European Review for Medical and Pharmacological Sciences</i> , 2020 , 24, 4016-4026 ¹³⁰	2.9	130
39	The 2019 novel coronavirus disease (COVID-19) pandemic: A zoonotic prospective. <i>Asian Pacific Journal of Tropical Medicine</i> , 2020 , 13, 242	2.1	52
38	Impacts of Gully Erosion on River Water Quality and Fish Resources: A Case Study. <i>Advances in Science, Technology and Innovation</i> , 2020 , 345-355	0.3	0
37	Application of Internet Assistance Computation for Disease Prediction and Bio-modeling: Modern Trends in Medical Science. <i>Intelligent Systems Reference Library</i> , 2020 , 327-346	0.8	1
36	Probable Molecular Mechanism of Remdesivir for the Treatment of COVID-19: Need to Know More. <i>Archives of Medical Research</i> , 2020 , 51, 585-586	6.6	85
35	MicroRNAs: Possible Regulatory Molecular Switch Controlling the BBB Microenvironment. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 19, 933-936	10.7	3
34	Biocomputational Analysis and In Silico Characterization of an Angiogenic Protein (RNase5) in Zebrafish (<i>Danio rerio</i>). <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 1687-1697	2.1	5
33	Immunoinformatics approach to understand molecular interaction between multi-epitopic regions of SARS-CoV-2 spike-protein with TLR4/MD-2 complex. <i>Infection, Genetics and Evolution</i> , 2020 , 85, 104587 ⁵	4.5	36
32	A SARS-CoV-2 vaccine candidate: cloning and validation. <i>Informatics in Medicine Unlocked</i> , 2020 , 20, 100394	3.4	40
31	Repurposing Drugs, Ongoing Vaccine, and New Therapeutic Development Initiatives Against COVID-19. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1258	5.6	61
30	Computational characterization of epitopic region within the outer membrane protein candidate in for vaccine development. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 450-459	3.6	15
29	Assessment and modeling of fish diversity related to water bodies of Bankura district, West Bengal, India, for sustainable management of culture practices. <i>Environment, Development and Sustainability</i> , 2020 , 22, 971-984	4.5	1
28	Epitope-Based Vaccine Designing of Targeting the Virulence Factor Mce-Family Protein by Immunoinformatics Approach. <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 1165-1176 ⁹	2.1	176
27	Computer aided novel antigenic epitopes selection from the outer membrane protein sequences of <i>Aeromonas hydrophila</i> and its analyses. <i>Infection, Genetics and Evolution</i> , 2020 , 82, 104320	4.5	9

26	Diabetes and COVID-19: a major challenge in pandemic period?. <i>European Review for Medical and Pharmacological Sciences</i> , 2020 , 24, 11409-11420	2.9	4
25	Promising approaches of small interfering RNAs (siRNAs) mediated cancer gene therapy. <i>Gene</i> , 2019 , 719, 144071	3.8	23
24	Advances in nanocarriers enabled brain targeted drug delivery across blood brain barrier. <i>International Journal of Pharmaceutics</i> , 2019 , 559, 360-372	6.5	83
23	Influence of single nucleotide polymorphisms (SNPs) in genetic susceptibility towards periprosthetic osteolysis. <i>Genes and Genomics</i> , 2019 , 41, 1113-1125	2.1	3
22	Assessment of Domestic Water Use Pattern and Drinking Water Quality of Sikkim, North Eastern Himalaya, India: A Cross-sectional Study. <i>Journal of the Geological Society of India</i> , 2019 , 94, 507-514	1.3	4
21	Environmental DNA (eDNA): A Promising Biological Survey Tool for Aquatic Species Detection. <i>Proceedings of the Zoological Society</i> , 2019 , 72, 211-228	0.5	6
20	LengthWeight relationships of three freshwater fish species from Rupnaryan and Kangsabati River, West Bengal, India. <i>Journal of Applied Ichthyology</i> , 2019 , 35, 585-586	0.9	1
19	Crabs Diversity of Digha Coast, West Bengal, India. <i>Proceedings of the Zoological Society</i> , 2019 , 72, 206-210	0.5	1
18	Molecular signature pathway of gene protein interaction in human mitochondrial DNA (mtDNA) metabolism linked disease. <i>Indian Journal of Medical Specialities</i> , 2018 , 9, 77-85	0.5	
17	Threats to Fish and Fisheries of Kangsabati Reservoir, West Bengal, India. <i>Proceedings of the Zoological Society</i> , 2018 , 71, 281-285	0.5	
16	structural and functional modelling of Antifreeze protein (AFP) sequences of Ocean pout (Bloch & Schneider 1801). <i>Journal of Genetic Engineering and Biotechnology</i> , 2018 , 16, 721-730	3.1	13
15	Assessment of Potential Marine Fishing Zone Using Geospatial Technologies at the Coastal Stretch of West Bengal, India 2018 , 385-399		1
14	Therapeutic applications of zebrafish (<i>Danio rerio</i>) miRNAs linked with human diseases: A prospective review. <i>Gene</i> , 2018 , 679, 202-211	3.8	7
13	Multi-cluster analysis of Crabs and Ichthyofaunal Diversity in relation to habitat distribution at Tropical Mangrove ecosystem of the Indian Sundarbans. <i>Regional Studies in Marine Science</i> , 2018 , 24, 203-211	1.5	3
12	LengthWeight relationship of nine Clupeiform fish species from the Digha coast, West Bengal, India. <i>Journal of Applied Ichthyology</i> , 2018 , 34, 1351-1353	0.9	0
11	The crucial role and regulations of miRNAs in zebrafish development. <i>Protoplasma</i> , 2017 , 254, 17-31	3.4	25
10	Ichthyofaunal Diversity of Kangsabati River at Paschim Medinipur District, West Bengal, India. <i>Proceedings of the Zoological Society</i> , 2017 , 70, 165-173	0.5	6
9	Freshwater fish resource mapping and conservation strategies of West Bengal, India. <i>Spatial Information Research</i> , 2017 , 25, 635-645	1.6	8

8	Marine fishes of West Bengal coast, India: Diversity and conservation preclusion. <i>Regional Studies in Marine Science</i> , 2017 , 16, 56-66	1.5	9
7	A cross-sectional study on water quality in relation to fish diversity of Paschim Medinipur, West Bengal, India through geoinformatics approaches. <i>Egyptian Journal of Aquatic Research</i> , 2017 , 43, 283-289 ¹	3.1	5
6	Phylogenetic relationships linking Duttaphrynus (Amphibia: Anura: Bufonidae) species based on 12S and 16S rDNA sequences. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2881-2	1.3	1
5	DNA barcoding to fishes: current status and future directions. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2744-52	1.3	21
4	MicroRNAs mediated regulation of MAPK signaling pathways in chronic myeloid leukemia. <i>Oncotarget</i> , 2016 , 7, 42683-42697	3.3	45
3	Ichthyofaunal Diversity and Water Quality in the Kangsabati Reservoir, West Bengal, India. <i>Advances in Zoology</i> , 2014 , 2014, 1-8		10
2	Present variants of concern and variants of interest of severe acute respiratory syndrome coronavirus 2: Their significant mutations in S-glycoprotein, infectivity, re-infectivity, immune escape and vaccines activity. <i>Reviews in Medical Virology</i> , e2270	11.7	23
1	Appearance and re-appearance of zoonotic disease during the pandemic period: Long-term monitoring and analysis of zoonosis is crucial to confirm the animal origin of SARS-CoV-2 and monkeypox virus. <i>Veterinary Quarterly</i> , 1-11	8	0