

Bhartendu Nath Mishra

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

1,454
citations

361296

20
h-index

395590

33
g-index

83
all docs

83
docs citations

83
times ranked

1986
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial dysbiosis and epigenetics modulation in cancer development – A chemopreventive approach. <i>Seminars in Cancer Biology</i> , 2022, 86, 666-681.	4.3	13
2	Role of epigenetics in carcinogenesis: Recent advancements in anticancer therapy. <i>Seminars in Cancer Biology</i> , 2022, 83, 441-451.	4.3	18
3	Potency of inhibitors depends upon the accessibility of their aromatic rings within the hydrophobic specificity pocket: a novel avenue for future aldose reductase inhibitor design. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1512-1518.	2.0	2
4	IFN- γ +874 A>T (rs2430561) gene polymorphism and risk of pulmonary tuberculosis: a meta-analysis. <i>Archives of Medical Science</i> , 2021, 17, 177-188.	0.4	5
5	Identification of new BACE1 inhibitors for treating Alzheimer's disease. <i>Journal of Molecular Modeling</i> , 2021, 27, 58.	0.8	7
6	Future applications of electrospun nanofibers in pressure driven water treatment: A brief review and research update. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105107.	3.3	54
7	Whey protein based electrospun nanospheres for encapsulation and controlled release of bioactive compounds from <i>Tinospora cordifolia</i> extract. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 69, 102671.	2.7	11
8	<i>Lilium philadelphicum</i> Flower as a Novel Source of Antimicrobial Agents: A Study of Bioactivity, Phytochemical Analysis, and Partial Identification of Antimicrobial Metabolites. <i>Sustainability</i> , 2021, 13, 8471.	1.6	6
9	Silybin B and Cianidanol Inhibit Mpro and Spike Protein of SARS-CoV-2: Evidence from in silico Molecular Docking Studies. <i>Current Pharmaceutical Design</i> , 2021, 27, 3476-3489.	0.9	12
10	In Silico Studies Reveal Antiviral Effects of Traditional Indian Spices on COVID-19. <i>Current Pharmaceutical Design</i> , 2021, 27, 3462-3475.	0.9	12
11	Quantitative structure-activity relationship and molecular docking studies on human proteasome inhibitors for anticancer activity targeting NF- κ B signaling pathway. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3621-3632.	2.0	3
12	3D Bioprinting in Plant Science: An Interdisciplinary Approach. <i>Trends in Plant Science</i> , 2020, 25, 9-13.	4.3	14
13	Inhibitory effect of clove oil nanoemulsion on fumonisin isolated from maize kernels. <i>LWT - Food Science and Technology</i> , 2020, 134, 110237.	2.5	15
14	Transcriptional regulation and signalling of cold stress response in plants: An overview of current understanding. <i>Environmental and Experimental Botany</i> , 2020, 180, 104243.	2.0	59
15	An Overview of Morpho-Physiological, Biochemical, and Molecular Responses of Sorghum Towards Heavy Metal Stress. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 256, 155-177.	0.7	2
16	Biotransformation of newly synthesized coumarin derivatives by <i>Candida albicans</i> as potential antibacterial, antioxidant and cytotoxic agents. <i>Process Biochemistry</i> , 2019, 87, 138-144.	1.8	7
17	Association of MBL2 gene polymorphisms with pulmonary tuberculosis susceptibility: a meta-analysis as evidence. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 185-210.	1.1	11
18	Isolation, Purification, and Characterization of Heparinase from <i>Streptomyces variabilis</i> MTCC 12266. <i>Scientific Reports</i> , 2019, 9, 6482.	1.6	7

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19	A trial sequential meta-analysis of IFN- γ +874 A>T (rs2430561) gene polymorphism and extrapulmonary tuberculosis risk. <i>Microbial Pathogenesis</i> , 2019, 130, 1-9.	1.3	5
20	Preparation and Evaluation of the ZnO NP α Ampicillin/Sulbactam Nanoantibiotic: Optimization of Formulation Variables Using RSM Coupled GA Method and Antibacterial Activities. <i>Biomolecules</i> , 2019, 9, 764.	1.8	11
21	RSM α GA Based Optimization of Bacterial PHA Production and In Silico Modulation of Citrate Synthase for Enhancing PHA Production. <i>Biomolecules</i> , 2019, 9, 872.	1.8	31
22	Biodegradation of pyridine raffinate using bacterial laccase isolated from garden soil. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 32-35.	1.5	4
23	Pharmacogenetic association between <i>NAT2</i> gene polymorphisms and isoniazid induced hepatotoxicity: trial sequence meta-analysis as evidence. <i>Bioscience Reports</i> , 2019, 39, .	1.1	23
24	A trial sequential meta-analysis of <i>TNF-α</i> (rs800629) gene polymorphism and susceptibility to colorectal cancer. <i>Bioscience Reports</i> , 2019, 39, .	1.1	7
25	3D-QSAR and docking studies on ursolic acid derivatives for anticancer activity based on bladder cell line T24 targeting NF- κ B pathway inhibition. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3822-3837.	2.0	10
26	In-Silico Identification of Drug Lead Molecule Against Pesticide Exposed-neurodevelopmental Disorders Through Network-Based Computational Model Approach. <i>Current Bioinformatics</i> , 2019, 14, 460-467.	0.7	17
27	Angiotensin-Converting Enzyme Gene I/D Polymorphism Is Associated With Systemic Lupus Erythematosus Susceptibility: An Updated Meta-Analysis and Trial Sequential Analysis. <i>Frontiers in Physiology</i> , 2018, 9, 1793.	1.3	8
28	Impact of LMP7 (rs2071543) gene polymorphism in increasing cancer risk: evidence from a meta-analysis and trial sequential analysis. <i>Oncotarget</i> , 2018, 9, 6572-6585.	0.8	7
29	5,7-Dihydroxy-4-Methoxyflavone a bioactive flavonoid delays amyloid beta-induced paralysis and attenuates oxidative stress in transgenic <i>Caenorhabditis elegans</i> . <i>Pharmacognosy Magazine</i> , 2018, 14, 57.	0.3	2
30	Protein Network Analysis to Prioritize Key Genes and Pathway for Stress-Mediated Neurodegeneration. <i>Open Bioinformatics Journal</i> , 2018, 11, 240-251.	1.0	3
31	<i>IL-10</i> -1082 A α G (rs1800896) polymorphism confers susceptibility to pulmonary tuberculosis in Caucasians but not in Asians and Africans: a meta-analysis. <i>Bioscience Reports</i> , 2017, 37, .	1.1	6
32	Genome-wide identification of novel vaccine candidates for <i>Plasmodium falciparum</i> malaria using integrative bioinformatics approaches. <i>3 Biotech</i> , 2017, 7, 318.	1.1	16
33	Impact of TNF -308 G>A (rs1800629) gene polymorphism in modulation of leprosy risk: a reappraise meta-analysis of 14 case α control studies. <i>Bioscience Reports</i> , 2017, 37, .	1.1	7
34	MIF -173 C α G (rs755622) Gene Polymorphism Modulates Tuberculosis Risk: Evidence from a Meta-analysis and Trial Sequential Analysis. <i>Scientific Reports</i> , 2017, 7, 17003.	1.6	13
35	Vitamin D Receptor Apal (rs7975232) Polymorphism Confers Decreased Risk of Pulmonary Tuberculosis in Overall and African Population, but not in Asians: Evidence from a Meta-analysis. <i>Annals of Clinical and Laboratory Science</i> , 2017, 47, 628-637.	0.2	4
36	Acacetin promotes healthy aging by altering stress response in <i>Caenorhabditis elegans</i> . <i>Free Radical Research</i> , 2016, 50, 861-874.	1.5	29

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37	Major histocompatibility complex linked databases and prediction tools for designing vaccines. <i>Human Immunology</i> , 2016, 77, 295-306.	1.2	43
38	Characterization of <i>Plasmodium falciparum</i> Proteome at Asexual Blood Stages for Screening of Effective Vaccine Candidates: An Immunoinformatics Approach. <i>Immunology and Immunogenetics Insights</i> , 2015, 7, III.S24755.	1.0	7
39	Genome-Wide Prediction of Vaccine Candidates for <i>Leishmania major</i> : An Integrated Approach. <i>Journal of Tropical Medicine</i> , 2015, 2015, 1-14.	0.6	12
40	Machine Learning Techniques in Plant Biology. , 2015, , 731-754.		17
41	Artificial Intelligence versus Statistical Modeling and Optimization of Cholesterol Oxidase Production by using <i>Streptomyces</i> Sp.. <i>PLoS ONE</i> , 2015, 10, e0137268.	1.1	21
42	Structure Activity Relationship Studies of Gymnemic Acid Analogues for Antidiabetic Activity Targeting PPAR α . <i>Current Computer-Aided Drug Design</i> , 2015, 11, 57-71.	0.8	8
43	Phytochemical and Pharmacological Properties of <i>Gymnema sylvestre</i> : An Important Medicinal Plant. <i>BioMed Research International</i> , 2014, 2014, 1-18.	0.9	126
44	Molecular Cloning and Biochemical Characterization of a Recombinant Sterol 3-O-Glucosyltransferase from <i>Gymnema sylvestre</i> R.Br. Catalyzing Biosynthesis of Steryl Glucosides. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	19
45	Development of diagnostic and vaccine markers through cloning, expression, and regulation of putative virulence-protein-encoding genes of <i>Aeromonas hydrophila</i> . <i>Journal of Microbiology</i> , 2013, 51, 275-282.	1.3	25
46	Reconstruction and visualization of carbohydrate, N-glycosylation pathways in <i>Pichia pastoris</i> CBS7435 using computational and system biology approaches. <i>Systems and Synthetic Biology</i> , 2013, 7, 7-22.	1.0	9
47	Prediction Model of MHC Class-II Binding Peptide Motifs Using Sequence Weighting Method for Vaccine Design. , 2012, , .		2
48	Identification of MHC Class II Binders/ Non-binders using Negative Selection Algorithm. <i>Nature Precedings</i> , 2011, , .	0.1	0
49	Sustained operation of nutrient mist reactor to grow hairy roots. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011, 6, 23-28.	0.8	4
50	Improved Prediction of MHC Class I Binders/Non-Binders Peptides Through Artificial Neural Network Using Variable Learning Rate: SARS Corona Virus, a Case Study. <i>Advances in Experimental Medicine and Biology</i> , 2011, 696, 223-229.	0.8	6
51	3D QSAR Based Study of Potent Growth Inhibitors of Terpenes as Antimycobacterial Agents. <i>The Open Nutraceuticals Journal</i> , 2011, 4, 119-124.	0.2	2
52	2D-QSAR model development and analysis on variant groups of anti-tuberculosis drugs. <i>Bioinformatics</i> , 2011, 7, 82-90.	0.2	16
53	Assessing Genetic Differentiation in Geographic Populations of <i>Labeo calbasu</i> Using Allozyme Markers. <i>Biochemical Genetics</i> , 2010, 48, 760-778.	0.8	5
54	Gene Cloning, Expression, and Characterization of Recombinant Aerolysin from <i>Aeromonas hydrophila</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 1985-1991.	1.4	22

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55	A neural network approach for the prediction of in vitro culture parameters for maximum biomass yields in hairy root cultures. <i>Journal of Theoretical Biology</i> , 2010, 265, 579-585.	0.8	32
56	3D-QSAR studies on quinazoline antifolate thymidylate synthase inhibitors by CoMFA and CoMSIA models. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1560-1571.	2.6	41
57	Prospective of biodiesel production utilizing microalgae as the cell factories: A comprehensive discussion. <i>African Journal of Biotechnology</i> , 2010, 9, 1402-1411.	0.3	79
58	Genetics of Yellow Mosaic Virus Resistance in Mung bean. , 2010, , .		0
59	Computational characterization of Plasmodium falciparum proteomic data for screening of potential vaccine candidates. <i>Human Immunology</i> , 2010, 71, 136-143.	1.2	19
60	Molecular docking studies on quinazoline antifolate derivatives as human thymidylate synthase inhibitors. <i>Bioinformation</i> , 2010, 4, 357-365.	0.2	11
61	Polymorphism in cytochrome P450 2A6 and glutathione S-transferase P1 modifies head and neck cancer risk and treatment outcome. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 669, 36-41.	0.4	26
62	Coherent ontogenic dynamics of geraniol acetyltransferase activity and geranyl acetate concentration in flowers and leaves of aroma grass <i>Cymbopogon martinii</i> var. <i>Motia</i> . <i>Plant Growth Regulation</i> , 2009, 57, 103-108.	1.8	7
63	Design of an ON/OFF mist duty cycle in mist bioreactors for the growth of hairy roots. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 38-45.	1.4	7
64	Gene cloning, expression and homology modeling of hemolysin gene from <i>Aeromonas hydrophila</i> . <i>Protein Expression and Purification</i> , 2009, 65, 1-7.	0.6	32
65	Gibbs Motif Sampler, Weight Matrix and Artificial Neural Network for the Prediction of MHC Class-II Binding Peptides. <i>Communications in Computer and Information Science</i> , 2009, , 503-509.	0.4	1
66	Prediction of MHC class I binding peptides using probability distribution functions. <i>Bioinformation</i> , 2009, 3, 403-408.	0.2	4
67	Identification and characterization of merozoite surface protein 1 epitope. <i>Bioinformation</i> , 2009, 4, 1-5.	0.2	9
68	Efficiency of neural networks for prediction of in vitro culture conditions and inoculum properties for optimum productivity. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 95, 29-35.	1.2	18
69	Detection of aerolysin gene in <i>Aeromonas hydrophila</i> isolated from fish and pond water. <i>Indian Journal of Microbiology</i> , 2008, 48, 453-458.	1.5	61
70	Growth of hairy root cultures in various bioreactors for the production of secondary metabolites. <i>Biotechnology and Applied Biochemistry</i> , 2008, 49, 1-10.	1.4	91
71	Interaction of cytochrome P4501A1 genotypes with other risk factors and susceptibility to lung cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 639, 1-10.	0.4	46
72	Association of functionally important polymorphisms in cytochrome P4501B1 with lung cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 643, 4-10.	0.4	34

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73	Genetic transformation studies and scale up of hairy root culture of Glycyrrhiza glabra in bioreactor. <i>Electronic Journal of Biotechnology</i> , 2008, 11, 0-0.	1.2	34
74	Conservation of the LexA repressor binding site in <i>Deinococcus radiodurans</i> . <i>Journal of Integrative Bioinformatics</i> , 2008, 5, 1-56.	1.0	8
75	CoMFA and CoMSIA 3D-QSAR analysis of DMDP derivatives as. <i>Bioinformation</i> , 2008, 2, 384-391.	0.2	11
76	Ranking of binding and nonbinding peptides to MHC class I molecules using inverse folding approach: Implications for vaccine design. <i>Bioinformation</i> , 2008, 3, 72-82.	0.2	10
77	Prediction of MHC binding peptide using Gibbs motif sampler, weight matrix and artificial neural network. <i>Bioinformation</i> , 2008, 3, 150-155.	0.2	13
78	Molecular docking studies on DMDP derivatives as human DHFR inhibitors. <i>Bioinformation</i> , 2008, 3, 180-188.	0.2	31
79	Conservation of the LexA repressor binding site in <i>Deinococcus radiodurans</i> . <i>Journal of Integrative Bioinformatics</i> , 2008, 5, .	1.0	1
80	Affinity purification and partial characterization of IgM-like immunoglobulins of African catfish, <i>Clarias gariepinus</i> (Burchell, 1822). <i>Indian Journal of Experimental Biology</i> , 2006, 44, 1018-21.	0.5	1
81	GENOME WIDE IDENTIFICATION OF DNA BINDING MOTIFS OF NodD-FACTOR IN <i>SINORHIZOBIUM MELILOTI</i> AND <i>MESORHIZOBIUM LOTI</i> . <i>Journal of Bioinformatics and Computational Biology</i> , 2005, 03, 773-801.	0.3	3
82	Cloning, Expression, Activity and Folding Studies of Serine Hydroxymethyltransferase: A Target Enzyme for Cancer Chemotherapy. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2003, 6, 67-75.	1.0	19