

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	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
2	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
3	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
4	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
5	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
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	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
8	Major histocompatibility complex linked databases and prediction tools for designing vaccines. <i>Human Immunology</i> , 2016, 77, 295-306.	1.2	43
9	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
10	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
11	Genetic transformation studies and scale up of hairy root culture of <i>Glycyrrhiza glabra</i> in bioreactor. <i>Electronic Journal of Biotechnology</i> , 2008, 11, 0-0.	1.2	34
12	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
13	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
14	RSM-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
15	Molecular docking studies on DMDP derivatives as human DHFR inhibitors. <i>Bioinformatics</i> , 2008, 3, 180-188.	0.2	31
16	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
17	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
18	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

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19	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
20	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
21	Artificial Intelligence versus Statistical Modeling and Optimization of Cholesterol Oxidase Production by using <i>Streptomyces Sp.</i> . <i>PLoS ONE</i> , 2015, 10, e0137268.	1.1	21
22	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
23	Computational characterization of <i>Plasmodium falciparum</i> proteomic data for screening of potential vaccine candidates. <i>Human Immunology</i> , 2010, 71, 136-143.	1.2	19
24	Molecular Cloning and Biochemical Characterization of a Recombinant Sterol 3-O-Glucosyltransferase from <i>Gymnema sylvestris</i> R.Br. Catalyzing Biosynthesis of Steryl Glucosides. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	19
25	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
26	Role of epigenetics in carcinogenesis: Recent advancements in anticancer therapy. <i>Seminars in Cancer Biology</i> , 2022, 83, 441-451.	4.3	18
27	Machine Learning Techniques in Plant Biology. , 2015, , 731-754.		17
28	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
29	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
30	2D-QSAR model development and analysis on variant groups of anti-tuberculosis drugs. <i>Bioinformation</i> , 2011, 7, 82-90.	0.2	16
31	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
32	3D Bioprinting in Plant Science: An Interdisciplinary Approach. <i>Trends in Plant Science</i> , 2020, 25, 9-13.	4.3	14
33	MIF -173 C<sup>T>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
34	Microbial dysbiosis and epigenetics modulation in cancer development – A chemopreventive approach. <i>Seminars in Cancer Biology</i> , 2022, 86, 666-681.	4.3	13
35	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
36	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

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37	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
38	<i>In Silico</i> Studies Reveal Antiviral Effects of Traditional Indian Spices on COVID-19. <i>Current Pharmaceutical Design</i> , 2021, 27, 3462-3475.	0.9	12
39	Association of MBL2 gene polymorphisms with pulmonary tuberculosis susceptibility: trial sequence meta-analysis as evidence. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 185-210.	1.1	11
40	Preparation and Evaluation of the ZnO NP@Ampicillin/Sulbactam Nanoantibiotic: Optimization of Formulation Variables Using RSM Coupled GA Method and Antibacterial Activities. <i>Biomolecules</i> , 2019, 9, 764.	1.8	11
41	Whey protein based electrosprayed 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
42	CoMFA and CoMSIA 3D-QSAR analysis of DMDP derivatives as. <i>Bioinformation</i> , 2008, 2, 384-391.	0.2	11
43	Molecular docking studies on quinazoline antifolate derivatives as human thymidylate synthase inhibitors. <i>Bioinformation</i> , 2010, 4, 357-365.	0.2	11
44	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
45	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
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	Identification and characterization of merozoite surface protein 1 epitope. <i>Bioinformation</i> , 2009, 4, 1-5.	0.2	9
48	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
49	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
50	Structure Activity Relationship Studies of Gymnemic Acid Analogues for Antidiabetic Activity Targeting PPAR β . <i>Current Computer-Aided Drug Design</i> , 2015, 11, 57-71.	0.8	8
51	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
52	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
53	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
54	Impact of TNF -308 G>A (rs1800629) gene polymorphism in modulation of leprosy risk: a reappraise meta-analysis of 14 case-control studies. <i>Bioscience Reports</i> , 2017, 37, .	1.1	7

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55	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
56	Isolation, Purification, and Characterization of Heparinase from <i>Streptomyces variabilis</i> MTCC 12266. <i>Scientific Reports</i> , 2019, 9, 6482.	1.6	7
57	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
58	Identification of new BACE1 inhibitors for treating Alzheimer's disease. <i>Journal of Molecular Modeling</i> , 2021, 27, 58.	0.8	7
59	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
60	<i>IL-10</i> -1082 A>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
61	<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
62	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
63	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
64	A trial sequential meta-analysis of <i>IFN-γ</i> +874 A>T (rs2430561) gene polymorphism and extrapulmonary tuberculosis risk. <i>Microbial Pathogenesis</i> , 2019, 130, 1-9.	1.3	5
65	<i>IFN-γ</i> +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
66	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
67	Biodegradation of pyridine raffinate using bacterial laccase isolated from garden soil. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 32-35.	1.5	4
68	Prediction of MHC class I binding peptides using probability distribution functions. <i>Bioinformatics</i> , 2009, 3, 403-408.	0.2	4
69	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
70	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
71	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
72	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

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73	Prediction Model of MHC Class-II Binding Peptide Motifs Using Sequence Weighting Method for Vaccine Design. , 2012, , .		2
74	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. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1512-1518.	2.0	2
75	3D QSAR Based Study of Potent Growth Inhibitors of Terpenes as Antimycobacterial Agents. The Open Nutraceuticals Journal, 2011, 4, 119-124.	0.2	2
76	5,7-Dihydroxy-4-Methoxyflavone a bioactive flavonoid delays amyloid beta-induced paralysis and attenuates oxidative stress in transgenic Caenorhabditis elegans. Pharmacognosy Magazine, 2018, 14, 57.	0.3	2
77	An Overview of Morpho-Physiological, Biochemical, and Molecular Responses of Sorghum Towards Heavy Metal Stress. Reviews of Environmental Contamination and Toxicology, 2020, 256, 155-177.	0.7	2
78	Gibbs Motif Sampler, Weight Matrix and Artificial Neural Network for the Prediction of MHC Class-II Binding Peptides. Communications in Computer and Information Science, 2009, , 503-509.	0.4	1
79	Affinity purification and partial characterization of IgM-like immunoglobulins of African catfish, Clarias gariepinus (Burchell, 1822). Indian Journal of Experimental Biology, 2006, 44, 1018-21.	0.5	1
80	Conservation of the LexA repressor binding site in Deinococcus radiodurans. Journal of Integrative Bioinformatics, 2008, 5, .	1.0	1
81	Genetics of Yellow Mosaic Virus Resistance in Mung bean. , 2010, , .		0
82	Identification of MHC Class II Binders/ Non-binders using Negative Selection Algorithm. Nature Precedings, 2011, , .	0.1	0