

Bharat Bhusan Patnaik

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

918
citations

471509

17
h-index

580821

25
g-index

72
all docs

72
docs citations

72
times ranked

841
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification and characterization of tenecin 4, a new anti-Gram-negative bacterial peptide, from the beetle <i>Tenebrio molitor</i> . <i>Developmental and Comparative Immunology</i> , 2012, 36, 540-546.	2.3	65
2	Sequencing, De Novo Assembly, and Annotation of the Transcriptome of the Endangered Freshwater Pearl Bivalve, <i>Cristaria plicata</i> , Provides Novel Insights into Functional Genes and Marker Discovery. <i>PLoS ONE</i> , 2016, 11, e0148622.	2.5	61
3	TmCactin plays an important role in Gram-negative and -positive bacterial infection by regulating expression of 7 AMP genes in <i>Tenebrio molitor</i> . <i>Scientific Reports</i> , 2017, 7, 46459.	3.3	34
4	TmDorX2 positively regulates antimicrobial peptides in <i>Tenebrio molitor</i> gut, fat body, and hemocytes in response to bacterial and fungal infection. <i>Scientific Reports</i> , 2019, 9, 16878.	3.3	33
5	Brazilin isolated from <i>Caesalpinia sappan</i> L. inhibits rheumatoid arthritis activity in a type-II collagen induced arthritis mouse model. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 124.	3.7	32
6	Regulation of the expression of nine antimicrobial peptide genes by TmIMD confers resistance against Gram-negative bacteria. <i>Scientific Reports</i> , 2019, 9, 10138.	3.3	28
7	Cloning, Characterization and Effect of TmPGRP-LE Gene Silencing on Survival of <i>Tenebrio molitor</i> against <i>Listeria monocytogenes</i> Infection. <i>International Journal of Molecular Sciences</i> , 2013, 14, 22462-22482.	4.1	26
8	TmToll-7 Plays a Crucial Role in Innate Immune Responses Against Gram-Negative Bacteria by Regulating 5 AMP Genes in <i>Tenebrio molitor</i> . <i>Frontiers in Immunology</i> , 2019, 10, 310.	4.8	26
9	Gene structure, cDNA characterization and RNAi-based functional analysis of a myeloid differentiation factor 88 homolog in <i>Tenebrio molitor</i> larvae exposed to <i>Staphylococcus aureus</i> infection. <i>Developmental and Comparative Immunology</i> , 2014, 46, 208-221.	2.3	25
10	TmRelish is required for regulating the antimicrobial responses to <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> in <i>Tenebrio molitor</i> . <i>Scientific Reports</i> , 2020, 10, 4258.	3.3	25
11	Molecular cloning and characterization of autophagy-related gene TmATG8 in <i>Listeria</i> -invaded hemocytes of <i>Tenebrio molitor</i> . <i>Developmental and Comparative Immunology</i> , 2015, 51, 88-98.	2.3	24
12	Transcriptome Profile of the Asian Giant Hornet (<i>Vespa mandarinia</i>) Using Illumina HiSeq 4000 Sequencing: De Novo Assembly, Functional Annotation, and Discovery of SSR Markers. <i>International Journal of Genomics</i> , 2016, 2016, 1-15.	1.6	24
13	TmSpz6 Is Essential for Regulating the Immune Response to <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> Infection in <i>Tenebrio molitor</i> . <i>Insects</i> , 2020, 11, 105.	2.2	24
14	In silico identification, characterization and expression analysis of attacin gene family in response to bacterial and fungal pathogens in <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2018, 48, 45-54.	1.1	19
15	TmSpz4 Plays an Important Role in Regulating the Production of Antimicrobial Peptides in Response to <i>Escherichia coli</i> and <i>Candida albicans</i> Infections. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1878.	4.1	19
16	DEPLETION OF AUTOPHAGY-RELATED GENES ATG3 AND ATG5 IN <i>Tenebrio molitor</i> LEADS TO DECREASED SURVIVABILITY AGAINST AN INTRACELLULAR PATHOGEN, <i>Listeria monocytogenes</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2015, 88, 85-99.	1.5	18
17	Genomic organization, sequence characterization and expression analysis of <i>Tenebrio molitor</i> apolipoprotein-III in response to an intracellular pathogen, <i>Listeria monocytogenes</i> . <i>Gene</i> , 2014, 534, 204-217.	2.2	17
18	Isolation and Characterization of Chitinase-Producing <i>Bacillus</i> and <i>Paenibacillus</i> Strains from Salted and Fermented Shrimp, <i>Acetes japonicus</i> . <i>Journal of Food Science</i> , 2014, 79, M665-74.	3.1	17

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19	Molecular Cloning, Sequence Characterization and Expression Analysis of a CD63 Homologue from the Coleopteran Beetle, <i>Tenebrio molitor</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 20744-20767.	4.1	16
20	Autophagy in <i>Tenebrio molitor</i> Immunity: Conserved Antimicrobial Functions in Insect Defenses. <i>Frontiers in Immunology</i> , 2021, 12, 667664.	4.8	16
21	TmSpz-like Plays a Fundamental Role in Response to <i>E. coli</i> but Not <i>S. aureus</i> or <i>C. albicans</i> Infection in <i>Tenebrio molitor</i> via Regulation of Antimicrobial Peptide Production. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10888.	4.1	16
22	Transcriptome Analysis of the Tadpole Shrimp (<i>Triops longicaudatus</i>) by Illumina Paired-End Sequencing: Assembly, Annotation, and Marker Discovery. <i>Genes</i> , 2016, 7, 114.	2.4	15
23	Mutan: A mixed linkage α -[(1,3)- and (1,6)]-D-glucan from <i>Streptococcus mutans</i> , that induces osteoclast differentiation and promotes alveolar bone loss. <i>Carbohydrate Polymers</i> , 2016, 137, 561-569.	10.2	15
24	Transcriptome sequencing and de novo characterization of Korean endemic land snail, <i>Koreanohadra kurodana</i> for functional transcripts and SSR markers. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1999-2014.	2.1	14
25	Bacterial but not fungal challenge up-regulates the transcription of <i>Coleopteracin</i> genes in <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2020, 50, 440-449.	1.1	14
26	Transcriptome Characterization for Non-Model Endangered Lycaenids, <i>Protantigius superans</i> and <i>Spindasis takanosis</i> , Using Illumina HiSeq 2500 Sequencing. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29948-29970.	4.1	13
27	Transcriptomic Analysis of the Endangered Neritid Species <i>Clithon retropictus</i> : De Novo Assembly, Functional Annotation, and Marker Discovery. <i>Genes</i> , 2016, 7, 35.	2.4	13
28	Induction of oxidative stress by non-lethal dose of mercury in rat liver: possible relationships between apoptosis and necrosis. <i>Journal of Environmental Biology</i> , 2010, 31, 413-6.	0.5	13
29	Cloning, expression analysis, and RNA interference study of a HORMA domain containing autophagy-related gene 13 (ATG13) from the coleopteran beetle, <i>Tenebrio molitor</i> . <i>Frontiers in Physiology</i> , 2015, 6, 180.	2.8	12
30	IKK β /NEMO Is Required to Confer Antimicrobial Innate Immune Responses in the Yellow Mealworm, <i>Tenebrio Molitor</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6734.	4.1	12
31	In silico identification and expression analyses of <i>Defensin</i> genes in the mealworm beetle <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2020, 50, 575-585.	1.1	12
32	Molecular Cloning and Expression Analysis of Three Suppressors of Cytokine Signaling Genes (SOCS5, Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	11
33	Identification, in silico characterization, and expression analysis of <i>Tenebrio molitor</i> Cecropin-2. <i>Entomological Research</i> , 2021, 51, 74-82.	1.1	11
34	Current knowledge of immune priming in invertebrates, emphasizing studies on <i>Tenebrio molitor</i> . <i>Developmental and Comparative Immunology</i> , 2022, 127, 104284.	2.3	11
35	Molecular and immunohistochemical characterization of the chitinase gene from <i>Pieris rapae</i> granulovirus. <i>Archives of Virology</i> , 2013, 158, 1701-1718.	2.1	10
36	Sequencing and de novo assembly of visceral mass transcriptome of the critically endangered land snail <i>Satsuma myomphala</i> : Annotation and SSR discovery. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 21, 77-89.	1.0	10

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37	Transcriptome analysis of air-breathing land slug, <i>Incilaria fruhstorferi</i> reveals functional insights into growth, immunity, and reproduction. <i>BMC Genomics</i> , 2019, 20, 154.	2.8	9
38	<i>Tenebrio molitor</i> SpÄtzle 1b Is Required to Confer Antibacterial Defense Against Gram-Negative Bacteria by Regulation of Antimicrobial Peptides. <i>Frontiers in Physiology</i> , 2021, 12, 758859.	2.8	9
39	<i>Aedes albopictus</i> Autophagy-Related Gene 8 (AaAtg8) Is Required to Confer Anti-Bacterial Gut Immunity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2944.	4.1	8
40	Lectin-Like Activity of Hemocyanin in Freshwater Prawn, <i>Macrobrachium rosenbergii</i> . <i>Protein Journal</i> , 2020, 39, 358-365.	1.6	8
41	TmIKKÎµ Is Required to Confer Protection Against Gram-Negative Bacteria, <i>E. coli</i> by the Regulation of Antimicrobial Peptide Production in the <i>Tenebrio molitor</i> Fat Body. <i>Frontiers in Physiology</i> , 2021, 12, 758862.	2.8	8
42	Current Status of Immune Deficiency Pathway in <i>Tenebrio molitor</i> Innate Immunity. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	8
43	Molecular Cloning and Characterization of Novel <i>Morus alba</i> Germin-Like Protein Gene Which Encodes for a Silkworm Gut Digestion-Resistant Antimicrobial Protein. <i>PLoS ONE</i> , 2012, 7, e50900.	2.5	7
44	Identification and expression analysis of a novel R-type lectin from the coleopteran beetle, <i>Tenebrio molitor</i> . <i>Journal of Invertebrate Pathology</i> , 2013, 114, 226-229.	3.2	7
45	De novo Transcriptome Generation and Annotation for Two Korean Endemic Land Snails, <i>Aegista chejuensis</i> and <i>Aegista quepartensis</i> , Using Illumina Paired-End Sequencing Technology. <i>International Journal of Molecular Sciences</i> , 2016, 17, 379.	4.1	7
46	<sc>RNA</sc> sequencing, <i>de novo</i> assembly, and functional annotation of an endangered <sc>N</sc>ympthalid butterfly, <sc><i>F</i></sc><i>abriciana nerippe</i></sc>...<sc>F</sc>elder, 1862. <i>Entomological Research</i> , 2016, 46, 148-161.	1.1	7
47	Characterization of chitinase–producing <i><sc>S</sc>erratia</i> and <i><sc>B</sc>acillus</i> strains isolated from insects. <i>Entomological Research</i> , 2014, 44, 109-120.	1.1	6
48	Transcriptome analysis of the threatened snail <i>Ellobium chinense</i> reveals candidate genes for adaptation and identifies SSRs for conservation genetics. <i>Genes and Genomics</i> , 2018, 40, 333-347.	1.4	6
49	Mollusks Sequence Database: Version II. <i>Korean Journal of Malacology</i> , 2014, 30, 429-431.	0.1	6
50	Peptide–based polyclonal antibody against mosquito 14–3–3–1 recognizes 14–3–3–3 homolog from dipteran and lepidopteran insects. <i>Entomological Research</i> , 2009, 39, 129-134.	1.1	5
51	<sc>E</sc>xpressed <sc>S</sc>equence <sc>T</sc>ags (<sc>ESTs</sc>) analysis of <i><sc>T</sc>enebrio molitor</i> larvae. <i>Entomological Research</i> , 2013, 43, 168-176.	1.1	5
52	Silencing of apolipoprotein–III</sc> causes abnormal adult morphological phenotype and susceptibility to <i><sc>L</sc>isteria monocytogenes</i> infection in <i><sc>T</sc>enebrio molitor</i>. <i>Entomological Research</i> , 2015, 45, 116-121.	1.1	5
53	The Silencing of a 14-3-3– Homolog in <i>Tenebrio molitor</i> Leads to Increased Antimicrobial Activity in Hemocyte and Reduces Larval Survivability. <i>Genes</i> , 2016, 7, 53.	2.4	5
54	Molecular Cloning and Effects of Tm14-3-3– Silencing on Larval Survivability Against <i>E. coli</i> and <i>C. albicans</i> in <i>Tenebrio molitor</i> . <i>Genes</i> , 2018, 9, 330.	2.4	5

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55	Transcriptome studies of the floodwater mosquito, <i>Aedes vexans</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Research, 2020, 50, 563-574.	1.1	5
56	Gene expression analysis of inflammation-related genes in macrophages treated with \pm -(1 α ,25-D $_2$)-D-glucan extracted from <i>Streptococcus mutans</i> . International Journal of Biological Macromolecules, 2021, 166, 45-53.	7.5	5
57	Molecular cloning and expression pattern of <i>14S</i> from the malaria vector, <i>Anopheles sinensis</i> . Entomological Research, 2009, 39, 123-128.	1.1	4
58	Isozymic variations in specific and nonspecific esterase and its thermostability in silkworm, <i>Bombyx mori</i> L. Journal of Environmental Biology, 2012, 33, 837-42.	0.5	4
59	Molecular and immunohistochemical characterization of granulin gene encoded in <i>Pieris rapae</i> granulovirus genome. Journal of Invertebrate Pathology, 2013, 113, 7-17.	3.2	3
60	Analysis of the Genome of a Korean Isolate of the <i>Pieris rapae</i> Granulovirus Enabled by Its Separation from Total Host Genomic DNA by Pulse-Field Electrophoresis. PLoS ONE, 2013, 8, e84183.	2.5	3
61	RNA Sequencing, <i>de novo</i> assembly, functional annotation and SSR analysis of the endangered diving beetle <i>Cybister chinensis</i> (= <i>Cybister japonicus</i>) using the Illumina platform. Entomological Research, 2018, 48, 60-72.	1.1	3
62	Tick-borne viruses: Current trends in large-scale viral surveillance. Entomological Research, 2020, 50, 379-392.	1.1	3
63	Transcriptome analysis of <i>Macrobrachium rosenbergii</i> hepatopancreas in response to <i>Vibrio harveyi</i> infection. Aquaculture Research, 2021, 52, 1855-1875.	1.8	3
64	Molecular cloning, sequence characterization, and expression analysis of C-type lectin (CTL) and ER-Golgi intermediate compartment 53-kDa protein (ERGIC-53) homologs from the freshwater prawn, <i>Macrobrachium rosenbergii</i> . Aquaculture International, 2022, 30, 1011-1035.	2.2	2
65	Expression analysis and immunohistochemical localization of putative tumor suppressor <i>QM</i> homologue from the cabbage butterfly, <i>Pieris rapae</i> . Entomological Research, 2013, 43, 262-270.	1.1	1
66	Molecular cloning and characterization of <i>SOCS2</i> from the mealworm beetle <i>Tenebrio molitor</i> . Entomological Research, 2019, 49, 313-322.	1.1	1
67	Deep sequencing and phylogenetic analysis of severe fever with thrombocytopenia syndrome virus from the tick, <i>Haemaphysalis longicornis</i> , in Korea. Entomological Research, 2021, 51, 3-11.	1.1	1
68	Characterization of <i>Haemaphysalis longicornis</i> microbiome collected from different regions of Korean peninsula. Entomological Research, 2022, 52, 271-280.	1.1	1
69	Reproductive Performance of Breeds and Hybrid of Silkworm, <i>Bombyx mori</i> L. with Special Reference to Egg Laying Rhythmicity. International Journal of Industrial Entomology, 2013, 26, 22-30.	0.1	0