

Bharat Bhusan Patnaik

List of Publications by Year in descending order

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69
papers

918
citations

471509

17
h-index

580821

25
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72
all docs

72
docs citations

72
times ranked

841
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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> . <i>Aquaculture International</i> , 2022, 30, 1011-1035.	2.2	2
3	Characterization of <i>Haemaphysalis longicornis</i> microbiome collected from different regions of Korean peninsula. <i>Entomological Research</i> , 2022, 52, 271-280.	1.1	1
4	Gene expression analysis of inflammation-related genes in macrophages treated with (1 \rightarrow 3, 1 \rightarrow 6)-D-glucan extracted from <i>Streptococcus mutans</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 166, 45-53.	7.5	5
5	Transcriptome analysis of <i>Macrobrachium rosenbergii</i> hepatopancreas in response to <i>Vibrio harveyi</i> infection. <i>Aquaculture Research</i> , 2021, 52, 1855-1875.	1.8	3
6	Deep sequencing and phylogenetic analysis of severe fever with thrombocytopenia syndrome virus from the tick, <i>Haemaphysalis longicornis</i> , in Korea. <i>Entomological Research</i> , 2021, 51, 3-11.	1.1	1
7	Identification, <i>in silico</i> characterization, and expression analysis of <i>Tenebrio molitor</i> Cecropin-2. <i>Entomological Research</i> , 2021, 51, 74-82.	1.1	11
8	Autophagy in <i>Tenebrio molitor</i> Immunity: Conserved Antimicrobial Functions in Insect Defenses. <i>Frontiers in Immunology</i> , 2021, 12, 667664.	4.8	16
9	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
10	<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
11	TmIKKÎ 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
12	Transcriptome studies of the floodwater mosquito, <i>Aedes vexans</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Research, 2020, 50, 563-574.	1.1	5
13	Tick-borne viruses: Current trends in large-scale viral surveillance. <i>Entomological Research</i> , 2020, 50, 379-392.	1.1	3
14	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
15	IKKÎ³/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
16	<i>In silico</i> 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
17	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
18	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

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19	TmSpz6 Is Essential for Regulating the Immune Response to Escherichia coli and Staphylococcus aureus Infection in Tenebrio molitor. <i>Insects</i> , 2020, 11, 105.	2.2	24
20	Aedes albopictus 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
21	Lectin-Like Activity of Hemocyanin in Freshwater Prawn, <i>Macrobrachium rosenbergii</i> . <i>Protein Journal</i> , 2020, 39, 358-365.	1.6	8
22	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
23	Molecular cloning and characterization of SOCS2 from the mealworm beetle <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2019, 49, 313-322.	1.1	1
24	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
25	Molecular Cloning and Expression Analysis of Three Suppressors of Cytokine Signaling Genes (SOCS5,) Tj ETQq1 1 0.784314 rgBT /Over 2.2 1P	2.2	1P
26	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
27	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
28	<i>In silico</i> identification, characterization and expression analysis of <i>attacin</i> 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
29	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. <i>Entomological Research</i> , 2018, 48, 60-72.	1.1	3
30	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
31	Molecular Cloning and Effects of Tm14-3-3 β -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
32	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
33	Sequencing and <i>de novo</i> 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
34	<i>De novo</i> 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
35	Transcriptome Profile of the Asian Giant Hornet (<i>Vespa mandarinia</i>) Using Illumina HiSeq 4000 Sequencing: <i>De Novo</i> Assembly, Functional Annotation, and Discovery of SSR Markers. <i>International Journal of Genomics</i> , 2016, 2016, 1-15.	1.6	24
36	Transcriptomic Analysis of the Endangered Neritid Species <i>Clithon retropictus</i> : <i>De Novo</i> Assembly, Functional Annotation, and Marker Discovery. <i>Genes</i> , 2016, 7, 35.	2.4	13

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37	The Silencing of a 14-3-3 ϵ 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
38	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
39	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
40	RNA sequencing, de novo assembly, and functional annotation of an endangered nymphalid butterfly, <i>Fabriciana nerippe</i> ... <i>Entomological Research</i> , 2016, 46, 148-161.	1.1	7
41	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
42	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
43	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
44	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
45	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
46	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
47	Silencing of apolipophorin III causes abnormal adult morphological phenotype and susceptibility to <i>Listeria monocytogenes</i> infection in <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2015, 45, 116-121.	1.1	5
48	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
49	Genomic organization, sequence characterization and expression analysis of <i>Tenebrio molitor</i> apolipophorin-III in response to an intracellular pathogen, <i>Listeria monocytogenes</i> . <i>Gene</i> , 2014, 534, 204-217.	2.2	17
50	Characterization of chitinase-producing <i>Serratia</i> and <i>Bacillus</i> strains isolated from insects. <i>Entomological Research</i> , 2014, 44, 109-120.	1.1	6
51	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
52	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
53	Mollusks Sequence Database: Version II. <i>Korean Journal of Malacology</i> , 2014, 30, 429-431.	0.1	6
54	Expressed Sequence Tags (ESTs) analysis of <i>Tenebrio molitor</i> larvae. <i>Entomological Research</i> , 2013, 43, 168-176.	1.1	5

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55	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
56	Molecular and immunohistochemical characterization of granulin gene encoded in <i>Pieris rapae</i> granulovirus genome. <i>Journal of Invertebrate Pathology</i> , 2013, 113, 7-17.	3.2	3
57	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
58	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
59	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
60	Expression analysis and immunohistochemical localization of putative tumor suppressor <i>QM</i> homologue from the cabbage butterfly, <i>Pieris rapae</i> . <i>Entomological Research</i> , 2013, 43, 262-270.	1.1	1
61	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. <i>PLoS ONE</i> , 2013, 8, e84183.	2.5	3
62	Reproductive Performance of Breeds and Hybrid of Silkworm, <i>Bombyx mori</i> L. with Special Reference to Egg Laying Rhythmicity. <i>International Journal of Industrial Entomology</i> , 2013, 26, 22-30.	0.1	0
63	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
64	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
65	Isozymic variations in specific and nonspecific esterase and its thermostability in silkworm, <i>Bombyx mori</i> L. <i>Journal of Environmental Biology</i> , 2012, 33, 837-42.	0.5	4
66	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
67	Molecular cloning and expression pattern of <i>14-3-3σ</i> from the malaria vector, <i>Anopheles sinensis</i> . <i>Entomological Research</i> , 2009, 39, 123-128.	1.1	4
68	Peptide-based polyclonal antibody against mosquito <i>14-3-3σ</i> recognizes <i>14-3-3</i> homolog from dipteran and lepidopteran insects. <i>Entomological Research</i> , 2009, 39, 129-134.	1.1	5
69	Current Status of Immune Deficiency Pathway in <i>Tenebrio molitor</i> Innate Immunity. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	8