

# Hong-Tao Nie

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

855  
citations

623734

14  
h-index

610901

24  
g-index

73  
all docs

73  
docs citations

73  
times ranked

578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromosome-level genome assembly of <i>Scapharca kagoshimensis</i> reveals the expanded molecular basis of heme biosynthesis in ark shells. <i>Molecular Ecology Resources</i> , 2022, 22, 295-306.	4.8	5
2	Type II ice structuring protein (ISP II) gene and its potential role in low temperature tolerance in Manila clam, <i>Ruditapes philippinarum</i> . <i>Aquaculture</i> , 2022, 549, 737723.	3.5	8
3	Comparative transcriptome analysis to reveal the genes and pathways associated with adaptation strategies in two different populations of Manila clam ( <i>Ruditapes philippinarum</i> ) under acute temperature challenge. <i>Aquaculture</i> , 2022, 552, 737999.	3.5	16
4	Population genomic evidence for genetic divergence in the Northwest Pacific Ark shell ( <i>Scapharca</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.7	1
5	Gene Co-Expression Network Analysis Reveals the Correlation Patterns Among Genes in Different Temperature Stress Adaptation of Manila Clam. <i>Marine Biotechnology</i> , 2022, , .	2.4	0
6	Molecular Mechanisms Underlying <i>Vibrio</i> Tolerance in <i>Ruditapes philippinarum</i> Revealed by Comparative Transcriptome Profiling. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	11
7	Apextrin from <i>Ruditapes philippinarum</i> functions as pattern recognition receptor and modulates NF- $\kappa$ B pathway. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 33-44.	7.5	7
8	Genome-wide identification and analysis of HECT E3 ubiquitin ligase gene family in <i>Ruditapes philippinarum</i> and their involvement in the response to heat stress and <i>Vibrio anguillarum</i> infection. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2022, 43, 101012.	1.0	4
9	Transcriptome analysis reveals the pigmentation-related genes in two shell color strains of the Manila clam <i>Ruditapes philippinarum</i> . <i>Animal Biotechnology</i> , 2021, 32, 439-450.	1.5	11
10	Analysis of differential gene expression by SRAP-cDNA in mantle tissue of <i>Meretrix petechialis</i> with different external shell color. <i>Animal Biotechnology</i> , 2021, 32, 31-37.	1.5	5
11	Genome-wide identification and expression profiling of TYR gene family in <i>Ruditapes philippinarum</i> under the challenge of <i>Vibrio anguillarum</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 37, 100788.	1.0	2
12	Transcriptomic analysis provides insights into candidate genes and molecular pathways involved in growth of Manila clam <i>Ruditapes philippinarum</i> . <i>Functional and Integrative Genomics</i> , 2021, 21, 341-353.	3.5	13
13	Identification of shell-color-related microRNAs in the Manila clam <i>Ruditapes philippinarum</i> using high-throughput sequencing of small RNA transcriptomes. <i>Scientific Reports</i> , 2021, 11, 8044.	3.3	10
14	Genome-wide investigation and expression analysis of MACPF gene family reveals its immune role in response to bacterial challenge of Manila clam. <i>Genomics</i> , 2021, 113, 1136-1145.	2.9	7
15	Molecular mechanisms of wound healing and regeneration of siphon in the Manila clam <i>Ruditapes philippinarum</i> revealed by transcriptomic analysis. <i>Genomics</i> , 2021, 113, 1011-1025.	2.9	2
16	The complete mitochondrial genome of <i>Mactra chinensis</i> (Bivalvia: Macridae). <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 2812-2815.	0.4	0
17	MiRNA-mRNA Integration Analysis Reveals the Regulatory Roles of MiRNAs in Shell Pigmentation of the Manila clam ( <i>Ruditapes philippinarum</i> ). <i>Marine Biotechnology</i> , 2021, 23, 976-993.	2.4	6
18	Molecular characterization and expression analysis of fibrinogen related protein (FREP) genes of Manila clam ( <i>Ruditapes philippinarum</i> ) after lipopolysaccharides challenge. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 228, 108672.	2.6	6

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19	Transcriptome analysis reveals the pigmentation related genes in four different shell color strains of the Manila clam <i>Ruditapes philippinarum</i> . <i>Genomics</i> , 2020, 112, 2011-2020.	2.9	27
20	Genetic diversity and differentiation of nine populations of the hard clam ( <i>Meretrix petechialis</i> ) assessed by EST-derived microsatellites. <i>Electronic Journal of Biotechnology</i> , 2020, 48, 23-28.	2.2	1
21	Transcriptomic analysis of Manila clam <i>Ruditapes philippinarum</i> under lipopolysaccharide challenge provides molecular insights into immune response. <i>Fish and Shellfish Immunology</i> , 2020, 106, 110-119.	3.6	10
22	New insights into the Manila clam and PAMPs interaction based on RNA-seq analysis of clam through in vitro challenges with LPS, PGN, and poly(I:C). <i>BMC Genomics</i> , 2020, 21, 531.	2.8	22
23	Transcriptomic analysis of the ark shell <i>Scapharca kagoshimensis</i> : De novo assembly and identification of genes and pathways involved growth. <i>Aquaculture Reports</i> , 2020, 18, 100522.	1.7	5
24	Molecular cloning and expression analysis of mc5r like genes (mc5rl) in <i>Ruditapes philippinarum</i> (Manila clam) after aerial exposure and low-temperature stress. <i>Molecular Biology Reports</i> , 2020, 47, 8891-8901.	2.3	1
25	Chromosome-Level Clam Genome Helps Elucidate the Molecular Basis of Adaptation to a Buried Lifestyle. <i>IScience</i> , 2020, 23, 101148.	4.1	33
26	Transcriptomic analysis of <i>Ruditapes philippinarum</i> under aerial exposure and reimmersion reveals genes involved in stress response and recovery capacity of the Manila clam. <i>Aquaculture</i> , 2020, 524, 735271.	3.5	28
27	Physiological and gene expression analysis of the Manila clam <i>Ruditapes philippinarum</i> in response to cold acclimation. <i>Science of the Total Environment</i> , 2020, 742, 140427.	8.0	17
28	Modulated Expression and Activities of <i>Ruditapes philippinarum</i> Enzymes After Oxidative Stress Induced by Aerial Exposure and Reimmersion. <i>Frontiers in Physiology</i> , 2020, 11, 500.	2.8	10
29	Physiological and biochemical responses of different shell color strains of Manila clam to low salinity challenges. <i>Aquaculture Reports</i> , 2020, 16, 100260.	1.7	9
30	Genome-wide identification and transcriptome-based expression profiling of Wnt gene family in <i>Ruditapes philippinarum</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 35, 100709.	1.0	9
31	Molecular cloning and characterization of Y-box gene (Rpybx) from Manila clam and its expression analysis in different strains under low-temperature stress. <i>Animal Genetics</i> , 2020, 51, 430-438.	1.7	14
32	Expression analyses of C-type lectins (CTLs) in Manila clam under cold stress provide insights for its potential function in cold resistance of <i>Ruditapes philippinarum</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 230, 108708.	2.6	7
33	Transcriptome analysis reveals differential immune related genes expression in <i>Ruditapes philippinarum</i> under hypoxia stress: potential HIF and NF- $\kappa$ B crosstalk in immune responses in clam. <i>BMC Genomics</i> , 2020, 21, 318.	2.8	34
34	Molecular cloning and expression analysis of tyrosinases ( <i>tyr</i> ) in four shell-color strains of Manila clam <i>Ruditapes philippinarum</i> . <i>PeerJ</i> , 2020, 8, e8641.	2.0	10
35	Genetic diversity and population structure of <i>Meretrix petechialis</i> in China revealed by sequence-related amplified polymorphism markers. <i>PeerJ</i> , 2020, 8, e8723.	2.0	3
36	Genetic variation and population structure of different geographical populations of <i>Meretrix petechialis</i> based on mitochondrial gene COI. <i>Journal of Genetics</i> , 2019, 98, 1.	0.7	11

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37	Clam Genome Sequence Clarifies the Molecular Basis of Its Benthic Adaptation and Extraordinary Shell Color Diversity. <i>IScience</i> , 2019, 19, 1225-1237.	4.1	81
38	Molecular cloning and expression analysis of C-type lectin (RpCTL) in Manila clam <i>Ruditapes philippinarum</i> after lipopolysaccharide challenge. <i>Fish and Shellfish Immunology</i> , 2019, 86, 981-993.	3.6	22
39	Polymorphic Microsatellite Markers for <i>Solen grandis</i> and Their Cross-Species Amplification in Three Other Species. <i>Animal Biotechnology</i> , 2019, 30, 82-86.	1.5	2
40	Genetic variation and population structure of different geographical populations of based on mitochondrial gene COI. <i>Journal of Genetics</i> , 2019, 98, .	0.7	3
41	Physiological and biochemical responses of <i>Dosinia corrugata</i> to different thermal and salinity stressors. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 15-22.	1.9	11
42	Molecular characteristics of a novel HSP60 gene and its differential expression in Manila clams ( <i>Ruditapes philippinarum</i> ) under thermal and hypotonic stress. <i>Cell Stress and Chaperones</i> , 2018, 23, 179-187.	2.9	16
43	De novo assembly, gene annotation, and marker development using Illumina paired-end transcriptome sequencing in the <i>Crassadoma gigantea</i> . <i>Gene</i> , 2018, 658, 54-62.	2.2	9
44	Stress levels over time in <i>Ruditapes philippinarum</i> : The effects of hypoxia and cold stress on hsp70 gene expression. <i>Aquaculture Reports</i> , 2018, 12, 1-4.	1.7	17
45	RNA-Seq analysis of differentially expressed genes in the grand jackknife clam <i>Solen grandis</i> under aerial exposure. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 28, 54-62.	1.0	3
46	The genetic diversity of wild and cultivated Manila clam ( <i>Ruditapes philippinarum</i> ) revealed by 29 novel microsatellite markers. <i>Electronic Journal of Biotechnology</i> , 2018, 34, 17-21.	2.2	4
47	Characterization of Novel EST-SSR in the Clam <i>Meretrix petechialis</i> and Cross-Species Amplification in Three Other Species. <i>Journal of Shellfish Research</i> , 2018, 37, 959.	0.9	1
48	Construction of a High-Density Genetic Map and Quantitative Trait Locus Mapping in the Manila clam <i>Ruditapes philippinarum</i> . <i>Scientific Reports</i> , 2017, 7, 229.	3.3	40
49	The HSP70 gene expression responses to thermal and salinity stress in wild and cultivated Manila clam <i>Ruditapes philippinarum</i> . <i>Aquaculture</i> , 2017, 470, 149-156.	3.5	46
50	High throughput sequencing of RNA transcriptomes in <i>Ruditapes philippinarum</i> identifies genes involved in osmotic stress response. <i>Scientific Reports</i> , 2017, 7, 4953.	3.3	36
51	Effects of temperature and salinity on oxygen consumption and ammonia excretion in different colour strains of the Manila clam, <i>Ruditapes philippinarum</i> . <i>Aquaculture Research</i> , 2017, 48, 2778-2786.	1.8	42
52	Genetic Variation and Differentiation in Wild and Selected Manila Clam Inferred from Microsatellite Loci. <i>Journal of Shellfish Research</i> , 2017, 36, 559-565.	0.9	4
53	Seasonal Variations in Biochemical Composition of the Clam <i>Dosinia corrugata</i> in Relation to the Reproductive Cycle and Environmental Conditions. <i>Journal of Shellfish Research</i> , 2016, 35, 369-377.	0.9	6
54	Microsatellite-centromere mapping in Japanese scallop ( <i>Patinopecten yessoensis</i> ) through half-tetrad analysis in gynogenetic diploid families. <i>Journal of Ocean University of China</i> , 2016, 15, 541-548.	1.2	4

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55	Transcriptomic responses to low temperature stress in the Manila clam, <i>Ruditapes philippinarum</i> . <i>Fish and Shellfish Immunology</i> , 2016, 55, 358-366.	3.6	45
56	Genetic diversity and structure of Manila clam ( <i>Ruditapes philippinarum</i> ) populations from Liaodong peninsula revealed by SSR markers. <i>Biochemical Systematics and Ecology</i> , 2015, 59, 116-125.	1.3	19
57	Characterization of fourteen single nucleotide polymorphism markers in the Manila clam ( <i>Ruditapes</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf_50 622 Td	0.8	6
58	Development and characterization of 38 microsatellite makers for Manila clam ( <i>Ruditapes</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf_50 622 Td	0.8	5
59	Amplified fragment length polymorphism analysis to assess crossover interference and homozygosity in gynogenetic diploid Pacific abalone ( <i>Haliotis discus hannai</i> ). <i>Animal Genetics</i> , 2014, 45, 453-455.	1.7	0
60	Genotyping based on telomeric microsatellite loci for verifying triploidy in the Pacific oyster, <i>Crassostrea gigas</i> . <i>Biochemical Systematics and Ecology</i> , 2014, 54, 326-332.	1.3	3
61	Molecular cloning and expression analysis of inhibitor of growth protein 3 (ING3) in the Manila clam, <i>Ruditapes philippinarum</i> . <i>Molecular Biology Reports</i> , 2014, 41, 3583-3590.	2.3	4
62	Development and characterization of EST-derived microsatellite makers for Manila clam ( <i>Ruditapes</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf_50 622 Td	0.8	6
63	Isolation and characterization of fourteen polymorphic microsatellite loci in the Manila clam ( <i>Ruditapes philippinarum</i> ). <i>Conservation Genetics Resources</i> , 2014, 6, 251-253.	0.8	2
64	Correlation and path analysis of morphological and weight traits in marine gastropod <i>Glossaulax reiniana</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2014, 32, 821-827.	0.7	8
65	Isolation and characterization of 18 polymorphic microsatellite loci in the surf clam ( <i>Mactra</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf_50 622 Td	0.8	1
66	Genetic Positioning of Centromeres through Half-Tetrad Analysis in Gynogenetic Diploid Families of the Zhikong Scallop ( <i>Chlamys farreri</i> ). <i>Marine Biotechnology</i> , 2013, 15, 1-15.	2.4	8
67	Development of four multiplex PCRs in the Zhikong scallop ( <i>Chlamys farreri</i> ) and their validation in parentage assignment. <i>Biochemical Systematics and Ecology</i> , 2012, 44, 96-101.	1.3	11
68	Centromere mapping in the Pacific abalone ( <i>Haliotis discus hannai</i> ) through half-tetrad analysis in gynogenetic diploid families. <i>Animal Genetics</i> , 2012, 43, 290-297.	1.7	11
69	Microsatellite-centromere mapping in sea cucumber ( <i>Apostichopus japonicus</i> ) using gynogenetic diploid families. <i>Aquaculture</i> , 2011, 319, 67-71.	3.5	6
70	Microsatellite-centromere mapping in zhikong scallop ( <i>Chlamys farreri</i> ) through half-tetrad analysis in D-shaped larvae of gynogenetic diploid families. <i>Aquaculture</i> , 2009, 293, 29-34.	3.5	7