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54
papers

1,152
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h-index

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56
ext. papers

1,673
ext. citations

5.2
avg, IF

3.93
L-index

#	Paper	IF	Citations
54	Scallop genome provides insights into evolution of bilaterian karyotype and development. <i>Nature Ecology and Evolution</i> , 2017 , 1, 120	12.3	202
53	Scallop genome reveals molecular adaptations to semi-sessile life and neurotoxins. <i>Nature Communications</i> , 2017 , 8, 1721	17.4	97
52	MethylRAD: a simple and scalable method for genome-wide DNA methylation profiling using methylation-dependent restriction enzymes. <i>Open Biology</i> , 2015 , 5,	7	65
51	Cloning and characterization of tryptophan 2,3-dioxygenase gene of Zhikong scallop <i>Chlamys farreri</i> (Jones and Preston 1904). <i>Aquaculture Research</i> , 2006 , 37, 1187-1194	1.9	47
50	Fosmid library construction and initial analysis of end sequences in Zhikong scallop (<i>Chlamys farreri</i>). <i>Marine Biotechnology</i> , 2007 , 9, 606-12	3.4	39
49	Sea cucumber genome provides insights into saponin biosynthesis and aestivation regulation. <i>Cell Discovery</i> , 2018 , 4, 29	22.3	38
48	Transcriptome Sequencing and Comparative Analysis of Ovary and Testis Identifies Potential Key Sex-Related Genes and Pathways in Scallop <i>Patinopecten yessoensis</i> . <i>Marine Biotechnology</i> , 2016 , 18, 453-65	3.4	35
47	Genome-wide identification and characterization of five MyD88 duplication genes in Yesso scallop (<i>Patinopecten yessoensis</i>) and expression changes in response to bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2015 , 46, 181-91	4.3	33
46	Chromosome rearrangements in Pectinidae (Bivalvia: Pteriomorphia) implied based on chromosomal localization of histone H3 gene in four scallops. <i>Genetica</i> , 2007 , 130, 193-8	1.5	33
45	Serial sequencing of isologous RAD tags for cost-efficient genome-wide profiling of genetic and epigenetic variations. <i>Nature Protocols</i> , 2016 , 11, 2189-2200	18.8	33
44	Identification of two secreted ferritin subunits involved in immune defense of Yesso scallop <i>Patinopecten yessoensis</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 37, 53-9	4.3	31
43	Characterizations and expression analyses of NF- κ B and Rel genes in the Yesso scallop (<i>Patinopecten yessoensis</i>) suggest specific response patterns against Gram-negative infection in bivalves. <i>Fish and Shellfish Immunology</i> , 2015 , 44, 611-21	4.3	30
42	Hsp70 gene expansions in the scallop <i>Patinopecten yessoensis</i> and their expression regulation after exposure to the toxic dinoflagellate <i>Alexandrium catenella</i> . <i>Fish and Shellfish Immunology</i> , 2016 , 58, 266-273	4.3	28
41	Identification and Characterization of Neuropeptides by Transcriptome and Proteome Analyses in a Bivalve Mollusc. <i>Frontiers in Genetics</i> , 2018 , 9, 197	4.5	28
40	Genome-wide analysis of DNA methylation in five tissues of Zhikong scallop, <i>Chlamys farreri</i> . <i>PLoS ONE</i> , 2014 , 9, e86232	3.7	27
39	Characterization of three mitogen-activated protein kinases (MAPK) genes reveals involvement of ERK and JNK, not p38 in defense against bacterial infection in Yesso scallop <i>Patinopecten yessoensis</i> . <i>Fish and Shellfish Immunology</i> , 2016 , 54, 507-15	4.3	26
38	The genome-wide identification of mitogen-activated protein kinase kinase (MKK) genes in Yesso scallop <i>Patinopecten yessoensis</i> and their expression responses to bacteria challenges. <i>Fish and Shellfish Immunology</i> , 2015 , 45, 901-11	4.3	24

37	Genome-wide identification and characterization of TRAF genes in the Yesso scallop (<i>Patinopecten yessoensis</i>) and their distinct expression patterns in response to bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2015 , 47, 545-55	4.3	23
36	FOXL2 and DMRT1L Are Yin and Yang Genes for Determining Timing of Sex Differentiation in the Bivalve Mollusk. <i>Frontiers in Physiology</i> , 2018 , 9, 1166	4.6	21
35	Network analysis of oyster transcriptome revealed a cascade of cellular responses during recovery after heat shock. <i>PLoS ONE</i> , 2012 , 7, e35484	3.7	20
34	Systematic identification and validation of the reference genes from 60 RNA-Seq libraries in the scallop <i>Mizuhopecten yessoensis</i> . <i>BMC Genomics</i> , 2019 , 20, 288	4.5	19
33	Cardiac performance: a thermal tolerance indicator in scallops. <i>Marine Biology</i> , 2016 , 163, 1	2.5	19
32	Genome-wide identification, characterization and expression analyses of two TNFRs in Yesso scallop (<i>Patinopecten yessoensis</i>) provide insight into the disparity of responses to bacterial infections and heat stress in bivalves. <i>Fish and Shellfish Immunology</i> , 2016 , 52, 44-56	4.3	19
31	Dynamics of DNA Methylation and DNMT Expression During Gametogenesis and Early Development of Scallop <i>Patinopecten yessoensis</i> . <i>Marine Biotechnology</i> , 2019 , 21, 196-205	3.4	18
30	Genome-wide identification and expression profiling of the SOX gene family in a bivalve mollusc <i>Patinopecten yessoensis</i> . <i>Gene</i> , 2017 , 627, 530-537	3.8	18
29	Long Non-Coding RNAs (lncRNAs) of Sea Cucumber: Large-Scale Prediction, Expression Profiling, Non-Coding Network Construction, and lncRNA-microRNA-Gene Interaction Analysis of lncRNAs in <i>Apostichopus japonicus</i> and <i>Holothuria glaberrima</i> During LPS Challenge and Radial Organ Complex Regeneration. <i>Marine Biotechnology</i> , 2016 , 18, 485-99	3.4	18
28	MolluscDB: an integrated functional and evolutionary genomics database for the hyper-diverse animal phylum Mollusca. <i>Nucleic Acids Research</i> , 2021 , 49, D988-D997	20.1	15
27	A carotenoid oxygenase is responsible for muscle coloration in scallop. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 966-975	5	14
26	Development of 44 gene-based SNP markers in Zhikong scallop, <i>Chlamys farreri</i> . <i>Conservation Genetics Resources</i> , 2011 , 3, 659-663	0.8	14
25	Evolutionary transcriptomics of metazoan biphasic life cycle supports a single intercalation origin of metazoan larvae. <i>Nature Ecology and Evolution</i> , 2020 , 4, 725-736	12.3	13
24	Genome-Wide Identification and Characterization of s in Zhikong Scallop Reveals Gene Expansion and Regulation Divergence after Toxic Dinoflagellate Exposure. <i>Marine Drugs</i> , 2019 , 17,	6	11
23	Characterization of 38 EST-derived SNP markers in Zhikong scallop (<i>Chlamys farreri</i>) and their cross-species utility in Yesso scallop (<i>Patinopecten yessoensis</i>). <i>Conservation Genetics Resources</i> , 2012 , 4, 747-753	0.8	10
22	Initial analysis of tandemly repetitive sequences in the genome of Zhikong scallop (<i>Chlamys farreri</i> Jones et Preston). <i>DNA Sequence</i> , 2008 , 19, 195-205		10
21	Development of Novel Cardiac Indices and Assessment of Factors Affecting Cardiac Activity in a Bivalve Mollusc. <i>Frontiers in Physiology</i> , 2019 , 10, 293	4.6	8
20	Changes in global DNA methylation intensity and DNMT1 transcription during the aging process of scallop <i>Chlamys farreri</i> . <i>Journal of Ocean University of China</i> , 2015 , 14, 685-690	1	8

19	The evo-devo of molluscs: Insights from a genomic perspective. <i>Evolution & Development</i> , 2020 , 22, 409-424	7
18	The scallop IGF2 mRNA-binding protein gene PyIMP and association of a synonymous mutation with growth traits. <i>Genes and Genetic Systems</i> , 2018 , 93, 91-100	1.4 6
17	Genotyping by Sequencing and Data Analysis: RAD and 2b-RAD Sequencing 2017 , 338-355	5
16	Identification and expression profiles of Fox transcription factors in the Yesso scallop (<i>Patinopecten yessoensis</i>). <i>Gene</i> , 2020 , 733, 144387	3.8 5
15	Potential GnRH and steroidogenesis pathways in the scallop <i>Patinopecten yessoensis</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020 , 204, 105756	5.1 5
14	The Rho GTPase Family Genes in Bivalvia Genomes: Sequence, Evolution and Expression Analysis. <i>PLoS ONE</i> , 2015 , 10, e0143932	3.7 4
13	HD-Marker: a highly multiplexed and flexible approach for targeted genotyping of more than 10,000 genes in a single-tube assay. <i>Genome Research</i> , 2018 , 28, 1919-1930	9.7 4
12	Peroxisome Proliferator Activated Receptor Agonists Modulate Transposable Element Expression in Brain and Liver. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 331	6.1 4
11	Association of myostatin variants with growth traits of Zhikong scallop (<i>Chlamys farreri</i>). <i>Journal of Ocean University of China</i> , 2016 , 15, 145-151	1 3
10	Amplicon-Based Illumina Sequencing and Quantitative PCR Reveals Nanoplankton Diversity and Biomass in Surface Water of Qinhuangdao Coastal Area, China. <i>Journal of Ocean University of China</i> , 2019 , 18, 962-976	1 3
9	Sexual Development of the Hermaphroditic Scallop Revealed by Morphological, Endocrine and Molecular Analysis. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 646754	5.7 3
8	Expression profiling of the Kdm genes in scallop <i>Patinopecten yessoensis</i> suggests involvement of histone demethylation in regulation of early development and gametogenesis. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 243-244, 110434	2.3 2
7	Expression of the Testis-Specific Serine/Threonine Kinases Suggests Their Role in Spermiogenesis of Bay Scallop. <i>Frontiers in Physiology</i> , 2021 , 12, 657559	4.6 2
6	Genome-wide identification and expression profiling of the Wnt gene family in three bivalve molluscs. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019 , 29, 299-307	2 2
5	The Effect of Temperature on Gonadal Sex Differentiation of Yesso Scallop .. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 803046	5.7 1
4	High-quality reannotation of the king scallop genome reveals no Tgene-richTfeature and evolution of toxin resistance. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 4954-4960	6.8 1
3	Integration of Biochemical, Cellular, and Genetic Indicators for Understanding the Aging Process in a Bivalve Mollusk <i>Chlamys farreri</i> . <i>Marine Biotechnology</i> , 2019 , 21, 718-730	3.4 0
2	Discovery of Nanos1 and Nanos2/3 as Germ Cell Markers During Scallop Gonadal Development.. <i>Marine Biotechnology</i> , 2022 , 24, 408	3.4 0

- 1 Sequencing-Based Transcriptome-Wide Targeted Genotyping for Evolutionary and Ecological Studies. *Evolutionary Bioinformatics*, **2019**, 15, 1176934319836074 1.9