

Xiaolin Liu

List of Publications by Year in descending order

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72
papers

1,234
citations

430874

18
h-index

454955

30
g-index

73
all docs

73
docs citations

73
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Map Construction and Quantitative Trait Locus (QTL) Detection of Growth-Related Traits in <i>Litopenaeus vannamei</i> for Selective Breeding Applications. <i>PLoS ONE</i> , 2013, 8, e75206.	2.5	64
2	RNAi knock-down of shrimp <i>Litopenaeus vannamei</i> Toll gene and immune deficiency gene reveals their difference in regulating antimicrobial peptides transcription. <i>Developmental and Comparative Immunology</i> , 2014, 44, 255-260.	2.3	59
3	Characterization of Transcriptional Complexity during Longissimus Muscle Development in Bovines Using High-Throughput Sequencing. <i>PLoS ONE</i> , 2013, 8, e64356.	2.5	57
4	Identification of ecdysteroid signaling late-response genes from different tissues of the Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 172, 10-30.	1.8	56
5	Identification and characterization of novel and differentially expressed microRNAs in peripheral blood from healthy and mastitis Holstein cattle by deep sequencing. <i>Animal Genetics</i> , 2014, 45, 20-27.	1.7	55
6	Skin Transcriptome Profiles Associated with Skin Color in Chickens. <i>PLoS ONE</i> , 2015, 10, e0127301.	2.5	52
7	A galectin from shrimp <i>Litopenaeus vannamei</i> is involved in immune recognition and bacteria phagocytosis. <i>Fish and Shellfish Immunology</i> , 2015, 44, 584-591.	3.6	47
8	Identification, characterization and functional analysis of a serine protease inhibitor (Lvserpin) from the Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Developmental and Comparative Immunology</i> , 2014, 43, 35-46.	2.3	43
9	Comparison of immune response in Pacific white shrimp, <i>Litopenaeus vannamei</i> , after knock down of Toll and IMD gene <i>in vivo</i> . <i>Developmental and Comparative Immunology</i> , 2016, 60, 41-52.	2.3	43
10	Identification and functional studies of Akirin, a potential positive nuclear factor of NF- κ B signaling pathways in the Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Developmental and Comparative Immunology</i> , 2013, 41, 703-714.	2.3	39
11	Molecular characterization of a p38 MAPK from <i>Litopenaeus vannamei</i> and its expression during the molt cycle and following pathogen infection. <i>Developmental and Comparative Immunology</i> , 2013, 41, 217-221.	2.3	35
12	cDNA cloning and expression analysis of myostatin/GDF11 in shrimp, <i>Litopenaeus vannamei</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 165, 30-39.	1.8	35
13	Identification and profiling of sex-biased microRNAs from sea urchin <i>Strongylocentrotus nudus</i> gonad by Solexa deep sequencing. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014, 10, 1-8.	1.0	29
14	Expression differences of miRNAs and genes on NF- κ B pathway between the healthy and the mastitis Chinese Holstein cows. <i>Gene</i> , 2014, 545, 117-125.	2.2	29
15	RNA-Seq Analysis and Gene Discovery of <i>Andrias davidianus</i> Using Illumina Short Read Sequencing. <i>PLoS ONE</i> , 2015, 10, e0123730.	2.5	26
16	Current Status of Genetics and Genomics of Reared Penaeid Shrimp: Information Relevant to Access and Benefit Sharing. <i>Marine Biotechnology</i> , 2013, 15, 399-412.	2.4	22
17	Identification of Differentially Expressed Genes in Breast Muscle and Skin Fat of Postnatal Pekin Duck. <i>PLoS ONE</i> , 2014, 9, e107574.	2.5	21
18	Response to selection, heritability and genetic correlations between body weight and body size in Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2012, 30, 200-205.	0.7	18

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19	Molecular characterization of LvAV in response to white spot syndrome virus infection in the Pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Developmental and Comparative Immunology</i> , 2015, 51, 48-55.	2.3	17
20	Phylogeographic structure of <i>Brachymystax lenok tsinlingensis</i> (Salmonidae) populations in the Qinling Mountains, Shaanxi, based on mtDNA control region. <i>Mitochondrial DNA</i> , 2015, 26, 532-537.	0.6	17
21	De novo transcriptome sequencing and comparative analysis to discover genes involved in ovarian maturity in <i>Strongylocentrotus nudus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 23, 27-38.	1.0	17
22	Paternity assessment: application on estimation of breeding value in body-weight at first egg trait of egg-laying duck (<i>Anas platyrhynchos</i>). <i>Molecular Biology Reports</i> , 2009, 36, 2175-2181.	2.3	16
23	Recombinant expression and characterization of a serine protease inhibitor (Lvserpin7) from the Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2015, 42, 256-263.	3.6	16
24	Fatty acid elongase7 is regulated via SP1 and is involved in lipid accumulation in bovine mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 4715-4725.	4.1	16
25	Nanopore-based full-length transcriptome sequencing of Muscovy duck (<i>Cairina moschata</i>) ovary. <i>Poultry Science</i> , 2021, 100, 101246.	3.4	16
26	Lvserpin3 is involved in shrimp innate immunity via the inhibition of bacterial proteases and proteases involved in prophenoloxidase system. <i>Fish and Shellfish Immunology</i> , 2016, 48, 128-135.	3.6	15
27	Identification and functional characterizations of serpin8, a potential prophenoloxidase-activating protease inhibitor in Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2017, 60, 492-501.	3.6	15
28	Single nucleotide polymorphisms, haplotypes and combined genotypes in MYH3 gene and their associations with growth and carcass traits in Qinchuan cattle. <i>Molecular Biology Reports</i> , 2013, 40, 417-426.	2.3	14
29	Molecular markers for identifying a new selected variety of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2015, 33, 1-10.	0.7	14
30	Characterization of galectin-1 from Chinese giant salamanders <i>Andrias davidianus</i> and its involvements during immune response. <i>Developmental and Comparative Immunology</i> , 2017, 70, 59-68.	2.3	14
31	Genome-wide proteomics analysis on longissimus muscles in Qinchuan beef cattle. <i>Animal Genetics</i> , 2017, 48, 131-140.	1.7	14
32	Exploring differentially expressed key genes related to development of follicle by RNA-seq in Peking ducks (<i>Anas Platyrhynchos</i>). <i>PLoS ONE</i> , 2019, 14, e0209061.	2.5	14
33	Effects of monochromatic green light stimulation during embryogenesis on hatching and posthatch performance of four strains of layer breeder. <i>Poultry Science</i> , 2020, 99, 5501-5508.	3.4	14
34	A novel 18-bp deletion mutation of the AMPD1 gene affects carcass traits in Qinchuan cattle. <i>Molecular Biology Reports</i> , 2010, 37, 3945-3949.	2.3	13
35	Selection for growth performance of tank-reared Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 534-541.	0.7	13
36	Insights into Sexual Precocity of Female Oriental River Prawn <i>Macrobrachium nipponense</i> through Transcriptome Analysis. <i>PLoS ONE</i> , 2016, 11, e0157173.	2.5	13

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37	Molecular characterization, immune responsive expression and functional analysis of QM, a putative tumor suppressor gene from the Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2014, 37, 1-10.	3.6	12
38	Close ecological relationship among species facilitated horizontal transfer of retrotransposons. <i>BMC Evolutionary Biology</i> , 2016, 16, 201.	3.2	12
39	Tissue expression profiles and transcriptional regulation of elongase of very long chain fatty acid 6 in bovine mammary epithelial cells. <i>PLoS ONE</i> , 2017, 12, e0175777.	2.5	12
40	Comparison of reproductive performance and offspring quality of domesticated Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Aquaculture</i> , 2012, 324-325, 194-200.	3.5	11
41	Identification and Characterization of piRNA-Like Small RNAs in the Gonad of Sea Urchin (<i>Strongylocentrotus nudus</i>). <i>Marine Biotechnology</i> , 2012, 14, 459-467.	2.4	11
42	Molecular cloning, characterization and expression of miR-15a-3p and miR-15b-3p in dairy cattle. <i>Molecular and Cellular Probes</i> , 2014, 28, 255-258.	2.1	11
43	Eight SNVs in NF- κ B pathway genes and their different performances between subclinical mastitis and mixed Chinese Holstein cows. <i>Gene</i> , 2015, 555, 242-249.	2.2	10
44	Identification of 10 transcripts of FREP in penaeid shrimp <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2016, 58, 436-441.	3.6	10
45	Overexpression of DEC1 inhibits myogenic differentiation by modulating MyoG activity in bovine satellite cell. <i>Journal of Cellular Physiology</i> , 2018, 233, 9365-9374.	4.1	10
46	Selection response and estimation of the genetic parameters for multidimensional measured breast meat yield related traits in a long-term breeding Pekin duck line. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 1575-1580.	2.4	10
47	De novo transcriptomic analysis of gonad of <i>Strongylocentrotus nudus</i> and gene discovery for biosynthesis of polyunsaturated fatty acids. <i>Genes and Genomics</i> , 2019, 41, 583-597.	1.4	9
48	Elucidation of the role of farnesoic acid O-methyltransferase (FAMeT) in the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> : Possible functional correlation with ecdysteroid signaling. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 232, 1-12.	1.8	9
49	Analysis on the expression and function of a chicken-type and goose-type lysozymes in Chinese giant salamanders <i>Andrias davidianus</i> . <i>Developmental and Comparative Immunology</i> , 2017, 72, 69-78.	2.3	8
50	Ovarian transcriptomic analysis of black Muscovy duck at the early, peak and late egg-laying stages. <i>Gene</i> , 2021, 777, 145449.	2.2	8
51	The differential expression of peroxisome proliferators-activated receptors in various duck tissues. <i>Molecular Biology Reports</i> , 2010, 37, 1235-1240.	2.3	7
52	Isolation and characterization of eleven novel microsatellite loci of <i>Brachymystax lenok</i> <i>tsinlingensis</i> , a threatened fish endemic to Shaanxi, China. <i>Conservation Genetics Resources</i> , 2013, 5, 389-391.	0.8	7
53	Identification and characterization of two Croquemort homologues in penaeid shrimp <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2017, 60, 1-5.	3.6	7
54	Dynamic Transcriptome Reveals the Mechanism of Liver Injury Caused by DHAV-3 Infection in Pekin Duck. <i>Frontiers in Immunology</i> , 2020, 11, 568565.	4.8	7

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55	Genetic diversity of MYH 3 gene associated with growth and carcass traits in Chinese Qinchuan cattle. <i>Molecular Biology Reports</i> , 2013, 40, 5635-5643.	2.3	6
56	Characterization and expression analysis of serpinB3, the first clade B serine protease inhibitor in Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Developmental and Comparative Immunology</i> , 2017, 72, 103-111.	2.3	6
57	Genetic variants of fatty acid elongase 6 in Chinese Holstein cow. <i>Gene</i> , 2018, 670, 123-129.	2.2	6
58	An economical single-sided antibody incubation method for Western blotting. <i>Journal of Virological Methods</i> , 2010, 169, 409-411.	2.1	5
59	Identification of splice variants, expression analysis and single nucleotide polymorphisms of the PRMT2 gene in dairy cattle. <i>Gene</i> , 2014, 539, 37-43.	2.2	5
60	Expression and analysis of ESR1, IGF-1, FSH, VLDLR, LRP, LH, PRLR genes in Peking duck and Black Muscovy duck. <i>Gene</i> , 2021, 769, 145183.	2.2	5
61	Monochromatic green light stimulation during incubation shortened the hatching time via pineal function in White Leghorn eggs. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 17.	5.3	5
62	Identification of adipose differentiation-related protein gene in Peking duck and its expression profile in various duck tissues. <i>Molecular Biology Reports</i> , 2011, 38, 2479-2484.	2.3	4
63	Using microsatellite markers to identify heritability of Pacific whiteleg shrimp <i>Litopenaeus vannamei</i> . <i>Acta Oceanologica Sinica</i> , 2015, 34, 59-65.	1.0	4
64	Isolation and characterization of fourteen novel microsatellite loci from <i>Brachymystax lenok tsinlingensi</i> . <i>Journal of Genetics</i> , 2015, 94, 35-37.	0.7	4
65	Effect of genetic variation of CEBPA gene on body measurement and carcass traits of Qinchuan cattle. <i>Molecular Biology Reports</i> , 2011, 38, 4965-4969.	2.3	3
66	Molecular Cloning and Biochemical Analysis of Tyrosinase from the Crested Ibis in China. <i>Biochemical Genetics</i> , 2012, 50, 936-945.	1.7	3
67	Functional characterization of the clade B serine protease inhibitor SerpinB3 in the Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Developmental and Comparative Immunology</i> , 2018, 85, 10-17.	2.3	3
68	Identification, expression analysis, and the regulating function on C/EBPs of KLF10 in Dalian purple sea urchin, <i>Strongylocentrotus nudus</i> . <i>Genome</i> , 2017, 60, 837-849.	2.0	1
69	Molecular and functional characterization of nucleoside diphosphate kinase (<i>nm23</i>) gene in oriental river prawn <i>Macrobrachium nipponense</i> during ovarian development. <i>Aquaculture Research</i> , 2018, 49, 1219-1231.	1.8	1
70	Alleviate Effects of Lanthanum on Stress Induced by cadmium on <i>Carassius auratus</i> . , 2009, , .		0
71	Expression of FKBP prolyl isomerase 5 gene in tissues of muscovy duck at different growth stages and its association with muscovy duck weight. <i>Animal Bioscience</i> , 2022, 35, 1-12.	2.0	0
72	Isolation and characterization of fourteen novel microsatellite loci from <i>Brachymystax lenok tsinlingensi</i> . <i>Journal of Genetics</i> , 2014, 93, e35-7.	0.7	0