

Jianguo Lu

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,094
citations

279798

23
h-index

243625

44
g-index

53
all docs

53
docs citations

53
times ranked

3245
citing authors

#	ARTICLE	IF	CITATIONS
1	ALLMAPS: robust scaffold ordering based on multiple maps. <i>Genome Biology</i> , 2015, 16, 3.	8.8	340
2	The channel catfish genome sequence provides insights into the evolution of scale formation in teleosts. <i>Nature Communications</i> , 2016, 7, 11757.	12.8	231
3	RNA-seq analysis of mucosal immune responses reveals signatures of intestinal barrier disruption and pathogen entry following <i>Edwardsiella ictaluri</i> infection in channel catfish, <i>Ictalurus punctatus</i> . <i>Fish and Shellfish Immunology</i> , 2012, 32, 816-827.	3.6	210
4	Generation of genome-scale gene-associated SNPs in catfish for the construction of a high-density SNP array. <i>BMC Genomics</i> , 2011, 12, 53.	2.8	122
5	Efficient assembly and annotation of the transcriptome of catfish by RNA-Seq analysis of a doubled haploid homozygote. <i>BMC Genomics</i> , 2012, 13, 595.	2.8	109
6	Profiling of gene duplication patterns of sequenced teleost genomes: evidence for rapid lineage-specific genome expansion mediated by recent tandem duplications. <i>BMC Genomics</i> , 2012, 13, 246.	2.8	100
7	Assembly of 500,000 inter-specific catfish expressed sequence tags and large scale gene-associated marker development for whole genome association studies. <i>Genome Biology</i> , 2010, 11, R8.	9.6	83
8	DNA Barcoding of Catfish: Species Authentication and Phylogenetic Assessment. <i>PLoS ONE</i> , 2011, 6, e17812.	2.5	65
9	Alternative splicing in teleost fish genomes: same-species and cross-species analysis and comparisons. <i>Molecular Genetics and Genomics</i> , 2010, 283, 531-539.	2.1	61
10	Dysbiosis of gut microbiota by dietary exposure of three graphene-family materials in zebrafish (<i>Danio rerio</i>). <i>Journal of Applied Microbiology</i> , 2019, 126, 1000-1010.	7.5	51
11	Microfibrillar-associated protein 4 (MFAP4) genes in catfish play a novel role in innate immune responses. <i>Developmental and Comparative Immunology</i> , 2011, 35, 568-579.	2.3	47
12	Gonadal transcriptomic analysis of yellow catfish (<i>Pelteobagrus fulvidraco</i>): identification of sex-related genes and genetic markers. <i>Physiological Genomics</i> , 2014, 46, 798-807.	2.3	46
13	Toxicity and Transcriptome Sequencing (RNA-seq) Analyses of Adult Zebrafish in Response to Exposure Carboxymethyl Cellulose Stabilized Iron Sulfide Nanoparticles. <i>Scientific Reports</i> , 2018, 8, 8083.	3.3	44
14	Second-Generation Genetic Linkage Map of Catfish and Its Integration with the BAC-Based Physical Map. <i>Genes, Genomes, Genetics</i> , 2012, 2, 1233-1241.	1.8	41
15	Effects of starch-coating of magnetite nanoparticles on cellular uptake, toxicity and gene expression profiles in adult zebrafish. <i>Science of the Total Environment</i> , 2018, 622-623, 930-941.	8.0	40
16	Evaluation of calculation models for the unfrozen water content of freezing soils. <i>Journal of Hydrology</i> , 2019, 575, 976-985.	5.4	39
17	Molecular responses of calreticulin genes to iron overload and bacterial challenge in channel catfish (<i>Ictalurus punctatus</i>). <i>Developmental and Comparative Immunology</i> , 2011, 35, 267-272.	2.3	35
18	Individual and combined effects of ammonia-N and sulfide on the immune function and intestinal microbiota of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2019, 92, 230-240.	3.6	31

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19	The catfish genome database cBARBEL: an informatic platform for genome biology of ictalurid catfish. <i>Nucleic Acids Research</i> , 2011, 39, D815-D821.	14.5	28
20	Transcriptomic Analyses Reveal Novel Genes with Sexually Dimorphic Expression in Yellow Catfish (<i>Pelteobagrus fulvidraco</i>) Brain. <i>Marine Biotechnology</i> , 2015, 17, 613-623.	2.4	27
21	Hypoosmotic stress induced tissue-specific immune responses of yellowfin seabream (<i>Acanthopagrus</i>) Tj ETQq1 1 0.784314 3.6 27	3.6	27
22	Identification of pigment genes (melanin, carotenoid and pteridine) associated with skin color variant in red tilapia using transcriptome analysis. <i>Aquaculture</i> , 2022, 547, 737429.	3.5	27
23	A pilot study for channel catfish whole genome sequencing and de novo assembly. <i>BMC Genomics</i> , 2011, 12, 629.	2.8	25
24	Alternative complement pathway of channel catfish (<i>Ictalurus punctatus</i>): Molecular characterization, mapping and expression analysis of factors Bf/C2 and Df. <i>Fish and Shellfish Immunology</i> , 2012, 32, 186-195.	3.6	25
25	Seasonal variations in soil physicochemical properties and microbial community structure influenced by <i>Spartina alterniflora</i> invasion and <i>Kandelia obovata</i> restoration. <i>Science of the Total Environment</i> , 2021, 797, 149213.	8.0	25
26	Response of gut microbiota and immune function to hypoosmotic stress in the yellowfin seabream (<i>Acanthopagrus latus</i>). <i>Science of the Total Environment</i> , 2020, 745, 140976.	8.0	23
27	Joint detection of copy number variations in parent-offspring trios. <i>Bioinformatics</i> , 2016, 32, 1130-1137.	4.1	18
28	Molecular characterization of complement factor I reveals constitutive expression in channel catfish. <i>Fish and Shellfish Immunology</i> , 2009, 27, 529-534.	3.6	17
29	Transcriptome Profiling Reveals the Sexual Dimorphism of Gene Expression Patterns during Gonad Differentiation in the Half-Smooth Tongue Sole (<i>Cynoglossus semilaevis</i>). <i>Marine Biotechnology</i> , 2021, 23, 18-30.	2.4	17
30	Sexually Dimorphic Gene Expression Associated with Growth and Reproduction of Tongue Sole (<i>Cynoglossus semilaevis</i>) Revealed by Brain Transcriptome Analysis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1402.	4.1	15
31	Comparative genomic analysis of catfish linkage group 8 reveals two homologous chromosomes in zebrafish and other teleosts with extensive inter-chromosomal rearrangements. <i>BMC Genomics</i> , 2013, 14, 387.	2.8	14
32	Gonadal Transcriptome Analysis of Sex-Related Genes in the Protandrous Yellowfin Seabream (<i>Acanthopagrus latus</i>). <i>Frontiers in Genetics</i> , 2020, 11, 709.	2.3	14
33	Modeling thermal conductivity of soils during a freezing process. <i>Heat and Mass Transfer</i> , 2022, 58, 283-293.	2.1	14
34	Identification and Comparison of microRNAs in the Gonad of the Yellowfin Seabream (<i>Acanthopagrus</i>) Tj ETQq0 0 0 4.1 13	4.1	13
35	The application of genome editing technology in fish. <i>Marine Life Science and Technology</i> , 2021, 3, 326-346.	4.6	9
36	Geochemical and microbial insights into vertical distributions of genetic potential of N-cycling processes in deep-sea sediments. <i>Ecological Indicators</i> , 2021, 125, 107461.	6.3	9

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37	Construction of High-Density Genetic Map and Mapping of Sex-Related Loci in the Yellow Catfish (<i>Pelteobagrus fulvidraco</i>). <i>Marine Biotechnology</i> , 2020, 22, 31-40.	2.4	8
38	Characterization of tissue-associated bacterial community of two <i>Bathymodiolus</i> species from the adjacent cold seep and hydrothermal vent environments. <i>Science of the Total Environment</i> , 2021, 796, 149046.	8.0	7
39	Bacterial, archaeal, and fungal community structure and interrelationships of deep-sea shrimp intestine and the surrounding sediment. <i>Environmental Research</i> , 2022, 205, 112461.	7.5	5
40	Geographic Scale Influences the Interactivities Between Determinism and Stochasticity in the Assembly of Sedimentary Microbial Communities on the South China Sea Shelf. <i>Microbial Ecology</i> , 2023, 85, 121-136.	2.8	5
41	Fitting methods and seasonality effects on the assessment of pelagic fish communities in Daya Bay, China. <i>Ecological Indicators</i> , 2019, 103, 346-354.	6.3	4
42	Comparative Genome Analysis of <i>Bacillus amyloliquefaciens</i> Focusing on Phylogenomics, Functional Traits, and Prevalence of Antimicrobial and Virulence Genes. <i>Frontiers in Genetics</i> , 2021, 12, 724217.	2.3	4
43	Hydro-thermal characteristics and deformation behaviors of silty clay subjected to freeze-thaw cycles. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	4
44	Hypoosmotic stress induced functional alternations of intestinal barrier integrity, inflammatory reactions, and neurotransmission along gut-brain axis in the yellowfin seabream (<i>Acanthopagrus</i>) Tj ETQq0 0 0 rgB2k Overlock 10 Tf 50 4	2.4	4
45	A time-course transcriptome analysis of gonads from yellow catfish (<i>Pelteobagrus fulvidraco</i>) reveals genes associated with gonad development. <i>BMC Genomics</i> , 2022, 23, .	2.8	3
46	Complete mitochondrial genome of the <i>Triplophysa bombifrons</i> and <i>Triplophysa strauchii</i> . <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 4710-4711.	0.7	2
47	Complete mitochondrial genome of the <i>Lampetra reissneri</i> . <i>Mitochondrial DNA</i> , 2016, 27, 1395-1396.	0.6	2
48	Chromosome-level Genome Assembly of <i>Acanthopagrus latus</i> Provides Insights into Salinity Stress Adaptation of Sparidae. <i>Marine Biotechnology</i> , 2022, 24, 655-660.	2.4	2
49	Gene expression profiles provide insights into the survival strategies in deep-sea mussel (<i>Bathymodiolus platifrons</i>) of different developmental stages. <i>BMC Genomics</i> , 2022, 23, 311.	2.8	2
50	Mitochondrial DNA sequence of <i>Lampetra morri</i> . <i>Mitochondrial DNA</i> , 2016, 27, 1391-1392.	0.6	1
51	Complete mitochondrial genome of the <i>Lampetra japonica</i> . <i>Mitochondrial DNA</i> , 2016, 27, 1293-1294.	0.6	0