

Liangbiao Chen

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,143
citations

236925

25
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233421

45
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54
docs citations

54
times ranked

2581
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular and morphological changes in Nile tilapia (<i>Oreochromis niloticus</i>) gonads during high-temperature-induced masculinization. <i>Aquaculture Research</i> , 2022, 53, 921-931.	1.8	3
2	High-speed rail model reveals the gene tandem amplification mediated by short repeated sequence in eukaryote. <i>Scientific Reports</i> , 2022, 12, 2289.	3.3	0
3	Toll-Like Receptor Evolution: Does Temperature Matter?. <i>Frontiers in Immunology</i> , 2022, 13, 812890.	4.8	9
4	Identification of Antibacterial Activity of Hepcidin From Antarctic Notothenioid Fish. <i>Frontiers in Microbiology</i> , 2022, 13, 834477.	3.5	3
5	Tissue-Specific and Differential Cold Responses in the Domesticated Cold Tolerant Fugu. <i>Fishes</i> , 2022, 7, 159.	1.7	5
6	Transcriptomic Down-Regulation of Immune System Components in Barrier and Hematopoietic Tissues after Lipopolysaccharide Injection in Antarctic <i>Notothenia coriiceps</i> . <i>Fishes</i> , 2022, 7, 171.	1.7	3
7	A Potential Role for the Gsdm-eEF1 β Complex in Inhibiting Germ Cell Proliferation: A Protein-Interaction Analysis in Medaka (<i>Oryzias latipes</i>) From a Proteomics Perspective. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100023.	3.8	5
8	Expression of multi-domain type III antifreeze proteins from the Antarctic eelpout (<i>Lycodichthys tjingitensis</i>). <i>Journal of Molecular Evolution</i> , 2021, 73, 186-191.	2.2	6
9	Leptin Gene Protects Against Cold Stress in Antarctic Toothfish. <i>Frontiers in Physiology</i> , 2021, 12, 740806.	2.8	1
10	Hypoxia-inducible factor 1 α from a high-altitude fish enhances cytoprotection and elevates nitric oxide production in hypoxic environment. <i>Fish Physiology and Biochemistry</i> , 2020, 46, 39-49.	2.3	7
11	Wnt Signaling Modulates Routes of Retinoic Acid-Induced Differentiation of Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2019, 28, 1334-1345.	2.1	5
12	Transcriptomic and epigenomic alterations of Nile tilapia gonads sexually reversed by high temperature. <i>Aquaculture</i> , 2019, 508, 167-177.	3.5	24
13	Loss of Gsdm leads to a dysregulation of Igfbp3-mediated oocyte development in medaka. <i>General and Comparative Endocrinology</i> , 2019, 277, 122-129.	1.8	13
14	The genomic basis for colonizing the freezing Southern Ocean revealed by Antarctic toothfish and Patagonian robalo genomes. <i>GigaScience</i> , 2019, 8, .	6.4	47
15	Transcriptomic responses to low temperature stress in the Nile tilapia, <i>Oreochromis niloticus</i> . <i>Fish and Shellfish Immunology</i> , 2019, 84, 1145-1156.	3.6	73
16	Spatiotemporal control of zebrafish (<i>Danio rerio</i>) gene expression using a light-activated CRISPR activation system. <i>Gene</i> , 2018, 677, 273-279.	2.2	11
17	GC bias lead to increased small amino acids and random coils of proteins in cold-water fishes. <i>BMC Genomics</i> , 2018, 19, 315.	2.8	12
18	Divergent adaptation to Qinghai-Tibetan Plateau implicated from transcriptome study of <i>Gymnocypris dobula</i> and <i>Schizothorax nukiangensis</i> . <i>Biochemical Systematics and Ecology</i> , 2017, 71, 97-105.	1.3	4

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19	Genetic Adaptation of Schizothoracine Fish to the Phased Uplifting of the Qinghaiâ€“Tibetan Plateau. G3: Genes, Genomes, Genetics, 2017, 7, 1267-1276.	1.8	29
20	Cold-induced retrotransposition of fish LINEs. Journal of Genetics and Genomics, 2017, 44, 385-394.	3.9	12
21	The role of <i>dusp1</i> downregulation in apoptosis of zebrafish ZF4 cells under cold stress. Journal of Fishery Sciences of China, 2017, 24, 995.	0.2	5
22	Complete mitochondrial genome of the Antarctic crocodile icefish, <i>Chionodraco hamatus</i> (Perciformes: Channichthyidae). Mitochondrial DNA Part B: Resources, 2016, 1, 138-139.	0.4	0
23	Transcriptome comparison reveals a genetic network regulating the lower temperature limit in fish. Scientific Reports, 2016, 6, 28952.	3.3	66
24	Neofunctionalization of zona pellucida proteins enhances freeze-prevention in the eggs of Antarctic notothenioids. Nature Communications, 2016, 7, 12987.	12.8	33
25	Analysis of the erythropoietin of a Tibetan Plateau schizothoracine fish (<i>Gymnocypris dobula</i>) reveals enhanced cytoprotection function in hypoxic environments. BMC Evolutionary Biology, 2016, 16, 11.	3.2	44
26	Evolutionary suppression of erythropoiesis via the modulation of <i>TGFβ2</i> signalling in an Antarctic icefish. Molecular Ecology, 2015, 24, 4664-4678.	3.9	27
27	Global identification of the genetic networks and <i>cis</i> -regulatory elements of the cold response in zebrafish. Nucleic Acids Research, 2015, 43, 9198-9213.	14.5	38
28	Cell Surface Proteomics Analysis Indicates a Neural Lineage Bias of Rat Bone Marrow Mesenchymal Stromal Cells. BioMed Research International, 2014, 2014, 1-13.	1.9	4
29	Analysis of hypoxia-inducible factor alpha polyploidization reveals adaptation to Tibetan plateau in the evolution of schizothoracine fish. BMC Evolutionary Biology, 2014, 14, 192.	3.2	73
30	miR-888 regulates side population properties and cancer metastasis in breast cancer cells. Biochemical and Biophysical Research Communications, 2014, 450, 1234-1240.	2.1	15
31	miR-888 in MCF-7 Side Population Sphere Cells Directly Targets E-cadherin. Journal of Genetics and Genomics, 2014, 41, 35-42.	3.9	24
32	Derivation of multipotent nestin ⁺ /CD271 ⁺ /STRO-1 ⁺ mesenchymal-like precursors from human embryonic stem cells in chemically defined conditions. Human Cell, 2013, 26, 19-27.	2.7	26
33	The over-expression of calmodulin from Antarctic notothenioid fish increases cold tolerance in tobacco. Gene, 2013, 521, 32-37.	2.2	27
34	MicroRNA-mediated gene regulation plays a minor role in the transcriptomic plasticity of cold-acclimated Zebrafish brain tissue. BMC Genomics, 2011, 12, 605.	2.8	35
35	Proteomic Analyses Reveal Common Promiscuous Patterns of Cell Surface Proteins on Human Embryonic Stem Cells and Sperms. PLoS ONE, 2011, 6, e19386.	2.5	37
36	Derivation, characterization and differentiation of a new human embryonic stem cell line from a Chinese hatched blastocyst assisted by a non-contact laser system. Human Cell, 2010, 23, 89-102.	2.7	2

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37	Evolution of an antifreeze protein by neofunctionalization under escape from adaptive conflict. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21593-21598.	7.1	126
38	Aire regulates the expression of differentiation-associated genes and self-renewal of embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 418-423.	2.1	22
39	A gene family-based method for interspecies comparisons of sequencing-based transcriptomes and its use in environmental adaptation analysis. <i>Journal of Genetics and Genomics</i> , 2010, 37, 205-218.	3.9	3
40	Global Expression of Cell Surface Proteins in Embryonic Stem Cells. <i>PLoS ONE</i> , 2010, 5, e15795.	2.5	33
41	Characterization of microRNAs in cephalochordates reveals a correlation between microRNA repertoire homology and morphological similarity in chordate evolution. <i>Evolution & Development</i> , 2009, 11, 41-49.	2.0	23
42	Multi-class cancer classification through gene expression profiles: microRNA versus mRNA. <i>Journal of Genetics and Genomics</i> , 2009, 36, 409-416.	3.9	26
43	A Comparison of Murine Smooth Muscle Cells Generated from Embryonic versus Induced Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2009, 18, 741-748.	2.1	76
44	Adaptive Evolution of Hepcidin Genes in Antarctic Nototheniid Fishes. <i>Molecular Biology and Evolution</i> , 2008, 25, 1099-1112.	8.9	67
45	Transcriptomic and genomic evolution under constant cold in Antarctic nototheniid fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12944-12949.	7.1	243
46	Trehalose as a good candidate for enriching full-length cDNAs in cDNA library construction. <i>Journal of Biotechnology</i> , 2007, 127, 402-407.	3.8	2
47	Differentiation of human embryonic stem cells into smooth muscle cells in adherent monolayer culture. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 321-327.	2.1	87
48	GO-Diff: mining functional differentiation between EST-based transcriptomes. <i>BMC Bioinformatics</i> , 2006, 7, 72.	2.6	16
49	Multiclass cancer classification and biomarker discovery using GA-based algorithms. <i>Bioinformatics</i> , 2005, 21, 2691-2697.	4.1	171
50	Molecular classification of cancer types from microarray data using the combination of genetic algorithms and support vector machines. <i>FEBS Letters</i> , 2003, 555, 358-362.	2.8	173
51	Functional Antifreeze Glycoprotein Genes in Temperate-Water New Zealand Nototheniid Fish Infer an Antarctic Evolutionary Origin. <i>Molecular Biology and Evolution</i> , 2003, 20, 1897-1908.	8.9	81
52	Evolution of an antifreeze glycoprotein. <i>Nature</i> , 1999, 401, 443-444.	27.8	217
53	From the cholinergic gene locus to the cholinergic neuron. <i>Journal of Physiology (Paris)</i> , 1998, 92, 385-388.	2.1	18
54	Upstream sequencing and functional characterization of the human cholinergic gene locus. <i>Journal of Molecular Neuroscience</i> , 1997, 9, 223-236.	2.3	31