

Hanhua Cheng

List of Publications by Year in descending order

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44
papers

1,214
citations

430874

18
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377865

34
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all docs

44
docs citations

44
times ranked

2094
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoding genome recombination and sex reversal. Trends in Endocrinology and Metabolism, 2022, 33, 175-185.	7.1	2
2	Sex differences in autophagy-mediated diseases: toward precision medicine. Autophagy, 2021, 17, 1065-1076.	9.1	44
3	Srag Regulates Autophagy via Integrating into a Preexisting Autophagy Pathway in Testis. Molecular Biology and Evolution, 2021, 38, 128-141.	8.9	11
4	SPATA33 is an autophagy mediator for cargo selectivity in germline mitophagy. Cell Death and Differentiation, 2021, 28, 1076-1090.	11.2	18
5	SPATA33 functions as a mitophagy receptor in mammalian germline. Autophagy, 2021, 17, 1284-1286.	9.1	5
6	Cellular fate of intersex differentiation. Cell Death and Disease, 2021, 12, 388.	6.3	8
7	Identification of Histone Modifications Reveals a Role of H2b Monoubiquitination in Transcriptional Regulation of <i>dmrt1</i> in <i>Monopterus albus</i> . International Journal of Biological Sciences, 2021, 17, 2009-2020.	6.4	5
8	Swamp eel (<i>Monopterus albus</i>). Trends in Genetics, 2021, 37, 1137-1138.	6.7	10
9	Haploinsufficiency of GCP4 induces autophagy and leads to photoreceptor degeneration due to defective spindle assembly in retina. Cell Death and Differentiation, 2020, 27, 556-572.	11.2	8
10	DNA methylation modification is associated with gonadal differentiation in <i>Monopterus albus</i> . Cell and Bioscience, 2020, 10, 129.	4.8	7
11	An optimized base editor with efficient C-to-T base editing in zebrafish. BMC Biology, 2020, 18, 190.	3.8	17
12	<i>RAB37</i> multiple alleles, transcription activation and evolution in mammals. International Journal of Biological Sciences, 2020, 16, 2964-2973.	6.4	2
13	Whole genome-wide chromosome fusion and new gene birth in the <i>Monopterus albus</i> genome. Cell and Bioscience, 2020, 10, 67.	4.8	16
14	Gene essentiality of <i>Tubgcp4</i> : dosage effect and autophagy regulation in retinal photoreceptors. Autophagy, 2019, 15, 1834-1837.	9.1	3
15	P11 Loss-of-Function is Associated with Decreased Cell Proliferation and Neurobehavioral Disorders in Mice. International Journal of Biological Sciences, 2019, 15, 1383-1395.	6.4	10
16	The genome-wide landscape of small insertion and deletion mutations in <i>Monopterus albus</i> . Journal of Genetics and Genomics, 2019, 46, 75-86.	3.9	2
17	Loss-of-function of <i>sox3</i> causes follicle development retardation and reduces fecundity in zebrafish. Protein and Cell, 2019, 10, 347-364.	11.0	26
18	RAB37 interacts directly with ATG5 and promotes autophagosome formation via regulating ATG5-12-16 complex assembly. Cell Death and Differentiation, 2018, 25, 918-934.	11.2	51

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19	Chromosome-scale assembly of the <i>Monopterus</i> genome. <i>GigaScience</i> , 2018, 7, .	6.4	30
20	The small GTPase RAB37 functions as an organizer for autophagosome biogenesis. <i>Autophagy</i> , 2018, 14, 727-729.	9.1	17
21	Isolation and characterization of string-forming female germline stem cells from ovaries of neonatal mice. <i>Journal of Biological Chemistry</i> , 2017, 292, 16003-16013.	3.4	20
22	Biased Duplications and Loss of Members in Tdrd Family in Teleost Fish. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 727-736.	1.3	2
23	Genome-wide mapping and characterization of microsatellites in the swamp eel genome. <i>Scientific Reports</i> , 2017, 7, 3157.	3.3	23
24	Directed Differentiation of Zebrafish Pluripotent Embryonic Cells to Functional Cardiomyocytes. <i>Stem Cell Reports</i> , 2016, 7, 370-382.	4.8	13
25	Nuclear autophagy: An evolutionarily conserved mechanism of nuclear degradation in the cytoplasm. <i>Autophagy</i> , 2016, 12, 1973-1983.	9.1	70
26	Evolutionary Insights into RNA trans-Splicing in Vertebrates. <i>Genome Biology and Evolution</i> , 2016, 8, 562-577.	2.5	78
27	Proteomic analysis of three gonad types of swamp eel reveals genes differentially expressed during sex reversal. <i>Scientific Reports</i> , 2015, 5, 10176.	3.3	17
28	Loss-of-function mutation in the X-linked TBX22 promoter disrupts an ETS-1 binding site and leads to cleft palate. <i>Human Genetics</i> , 2015, 134, 147-158.	3.8	15
29	MYBL2 guides autophagy suppressor VDAC2 in the developing ovary to inhibit autophagy through a complex of VDAC2-BECN1-BCL2L1 in mammals. <i>Autophagy</i> , 2015, 11, 1081-1098.	9.1	69
30	Dynamic evolution and biogenesis of small RNAs during sex reversal. <i>Scientific Reports</i> , 2015, 5, 9999.	3.3	21
31	Rapid Evolution of piRNA Pathway in the Teleost Fish: Implication for an Adaptation to Transposon Diversity. <i>Genome Biology and Evolution</i> , 2014, 6, 1393-1407.	2.5	46
32	Long-Term Artificial Selection Reveals a Role of TCTP in Autophagy in Mammalian Cells. <i>Molecular Biology and Evolution</i> , 2014, 31, 2194-2211.	8.9	34
33	TCTP increases stability of hypoxia-inducible factor 1 α by interaction with and degradation of the tumour suppressor VHL. <i>Biology of the Cell</i> , 2013, 105, 208-218.	2.0	20
34	A Novel Testis-Enriched Gene Spata33 Is Expressed during Spermatogenesis. <i>PLoS ONE</i> , 2013, 8, e67882.	2.5	13
35	DNA Demethylation and USF Regulate the Meiosis-Specific Expression of the Mouse Miwi. <i>PLoS Genetics</i> , 2012, 8, e1002716.	3.5	36
36	Insight into human sex ratio imbalance: the more boys born, the more infertile men. <i>Reproductive BioMedicine Online</i> , 2007, 15, 487-494.	2.4	6

#	ARTICLE	IF	CITATIONS
37	GATA family of transcription factors of vertebrates: phylogenetics and chromosomal synteney. Journal of Biosciences, 2007, 32, 1273.	1.1	0
38	Multiple Alternative Splicing and Differential Expression of dmrt1 During Gonad Transformation of the Rice Field Eel1. Biology of Reproduction, 2005, 73, 1017-1024.	2.7	97
39	Gene structure, multiple alternative splicing, and expression in gonads of zebrafish Dmrt1. Biochemical and Biophysical Research Communications, 2005, 330, 950-957.	2.1	169
40	Similar gene structure of twoSox9a genes and their expression patterns during gonadal differentiation in a teleost fish, rice field eel (<i>Monopterus albus</i>). Molecular Reproduction and Development, 2003, 66, 211-217.	2.0	82
41	Evolutionary conservation ofDmrt gene family in amphibians, reptiles and birds. Science Bulletin, 2001, 46, 1992-1994.	1.7	6
42	Differential genome duplication and fish diversity. Reviews in Fish Biology and Fisheries, 2001, 11, 331-337.	4.9	67
43	Cyclic core dendrimer as a new kind of vector for gene transfer into mammalian cells. Genetica, 2000, 108, 53-56.	1.1	16
44	Sox andZfx genes in giant panda. Science in China Series C: Life Sciences, 1998, 41, 623-627.	1.3	2