# Hanhua Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9586076/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 44 papers | 1,214 citations | 430874 18 h-index | 377865 34 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 2094 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Gene structure, multiple alternative splicing, and expression in gonads of zebrafish Dmrt1. Biochemical and Biophysical Research Communications, 2005, 330, 950-957. | 2.1 | 169 |
| 2 | 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 |
| 3 | Similar gene structure of twoSox9a genes and their expression patterns during gonadal differentiation in a teleost fish, rice field eel (Monopterus albus). Molecular Reproduction and Development, 2003, 66, 211-217. | 2.0 | 82 |
| 4 | Evolutionary Insights into RNA trans-Splicing in Vertebrates. Genome Biology and Evolution, 2016, 8, 562-577. | 2.5 | 78 |
| 5 | Nuclear autophagy: An evolutionarily conserved mechanism of nuclear degradation in the cytoplasm. Autophagy, 2016, 12, 1973-1983. | 9.1 | 70 |
| 6 | MYBL2 guides autophagy suppressor VDAC2 in the developing ovary to inhibit autophagy through a complex of VDAC2-BECN1-BCL2L1 in mammals. Autophagy, 2015, 11, 1081-1098. | 9.1 | 69 |
| 7 | Differential genome duplication and fish diversity. Reviews in Fish Biology and Fisheries, 2001, 11, 331-337. | 4.9 | 67 |
| 8 | 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 |
| 9 | Rapid Evolution of piRNA Pathway in the Teleost Fish: Implication for an Adaptation to Transposon Diversity. Genome Biology and Evolution, 2014, 6, 1393-1407. | 2.5 | 46 |
| 10 | Sex differences in autophagy-mediated diseases: toward precision medicine. Autophagy, 2021, 17, 1065-1076. | 9.1 | 44 |
| 11 | DNA Demethylation and USF Regulate the Meiosis-Specific Expression of the Mouse Miwi. PLoS Genetics, 2012, 8, e1002716. | 3.5 | 36 |
| 12 | Long-Term Artificial Selection Reveals a Role of TCTP in Autophagy in Mammalian Cells. Molecular Biology and Evolution, 2014, 31, 2194-2211. | 8.9 | 34 |
| 13 | Chromosome-scale assembly of the Monopterus genome. GigaScience, 2018, 7, . | 6.4 | 30 |
| 14 | Loss-of-function of sox3 causes follicle development retardation and reduces fecundity in zebrafish. Protein and Cell, 2019, 10, 347-364. | 11.0 | 26 |
| 15 | Genome-wide mapping and characterization of microsatellites in the swamp eel genome. Scientific Reports, 2017, 7, 3157. | 3.3 | 23 |
| 16 | Dynamic evolution and biogenesis of small RNAs during sex reversal. Scientific Reports, 2015, 5, 9999. | 3.3 | 21 |
| 17 | TCTP increases stability of hypoxiaâ€inducible factor 1Î± by interaction with and degradation of the tumour suppressor VHL. Biology of the Cell, 2013, 105, 208-218. | 2.0 | 20 |
| 18 | Isolation and characterization of string-forming female germline stem cells from ovaries of neonatal mice. Journal of Biological Chemistry, 2017, 292, 16003-16013. | 3.4 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | SPATA33 is an autophagy mediator for cargo selectivity in germline mitophagy. Cell Death and Differentiation, 2021, 28, 1076-1090. | 11.2 | 18 |
| 20 | Proteomic analysis of three gonad types of swamp eel reveals genes differentially expressed during sex reversal. Scientific Reports, 2015, 5, 10176. | 3.3 | 17 |
| 21 | The small GTPase RAB37 functions as an organizer for autophagosome biogenesis. Autophagy, 2018, 14, 727-729. | 9.1 | 17 |
| 22 | An optimized base editor with efficient C-to-T base editing in zebrafish. BMC Biology, 2020, 18, 190. | 3.8 | 17 |
| 23 | Cyclic core dendrimer as a new kind of vector for gene transfer into mammalian cells. Genetica, 2000, 108, 53-56. | 1.1 | 16 |
| 24 | Whole genome-wide chromosome fusion and new gene birth in the Monopterus albus genome. Cell and Bioscience, 2020, 10, 67. | 4.8 | 16 |
| 25 | Loss-of-function mutation in the X-linked TBX22 promoter disrupts an ETS-1 binding site and leads to cleft palate. Human Genetics, 2015, 134, 147-158. | 3.8 | 15 |
| 26 | A Novel Testis-Enriched Gene Spata33 Is Expressed during Spermatogenesis. PLoS ONE, 2013, 8, e67882. | 2.5 | 13 |
| 27 | Directed Differentiation of Zebrafish Pluripotent Embryonic Cells to Functional Cardiomyocytes. Stem Cell Reports, 2016, 7, 370-382. | 4.8 | 13 |
| 28 | Srag Regulates Autophagy via Integrating into a Preexisting Autophagy Pathway in Testis. Molecular Biology and Evolution, 2021, 38, 128-141. | 8.9 | 11 |
| 29 | 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 |
| 30 | Swamp eel (Monopterus albus). Trends in Genetics, 2021, 37, 1137-1138. | 6.7 | 10 |
| 31 | 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 |
| 32 | Cellular fate of intersex differentiation. Cell Death and Disease, 2021, 12, 388. | 6.3 | 8 |
| 33 | DNA methylation modification is associated with gonadal differentiation in Monopterus albus. Cell and Bioscience, 2020, 10, 129. | 4.8 | 7 |
| 34 | Evolutionary conservation ofDmrt gene family in amphibians, reptiles and birds. Science Bulletin, 2001, 46, 1992-1994. | 1.7 | 6 |
| 35 | Insight into human sex ratio imbalance: the more boys born, the more infertile men. Reproductive BioMedicine Online, 2007, 15, 487-494. | 2.4 | 6 |
| 36 | SPATA33 functions as a mitophagy receptor in mammalian germline. Autophagy, 2021, 17, 1284-1286. | 9.1 | 5 |

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|---|---|---|---|
| 37 | Identification of Histone Modifications Reveals a Role of H2b Monoubiquitination in Transcriptional Regulation of dmrt1 in Monopterus albus. International Journal of Biological Sciences, 2021, 17, 2009-2020. | 6.4 | 5 |
| 38 | Gene essentiality of Tubgcp4: dosage effect and autophagy regulation in retinal photoreceptors. Autophagy, 2019, 15, 1834-1837. | 9.1 | 3 |
| 39 | Sox andZfx genes in giant panda. Science in China Series C: Life Sciences, 1998, 41, 623-627. | 1.3 | 2 |
| 40 | Biased Duplications and Loss of Members in Tdrd Family in Teleost Fish. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 727-736. | 1.3 | 2 |
| 41 | The genome-wide landscape of small insertion and deletion mutations in Monopterus albus. Journal of Genetics and Genomics, 2019, 46, 75-86. | 3.9 | 2 |
| 42 | RAB37 multiple alleles, transcription activation and evolution in mammals. International Journal of Biological Sciences, 2020, 16, 2964-2973. | 6.4 | 2 |
| 43 | Decoding genome recombination and sex reversal. Trends in Endocrinology and Metabolism, 2022, 33, 175-185. | 7.1 | 2 |
| 44 | GATA family of transcription factors of vertebrates: phylogenetics and chromosomal synteny. Journal of Biosciences, 2007, 32, 1273. | 1.1 | 0 |