

Wei Miao

List of Publications by Year in descending order

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72
papers

1,960
citations

293460

24
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325983

40
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77
all docs

77
docs citations

77
times ranked

1771
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Absolute quantification of chromosome copy numbers in the polyploid macronucleus of <i>Tetrahymena thermophila</i> at the single-cell level. <i>Journal of Eukaryotic Microbiology</i> , 2022, 69, e12907. | 0.8 | 17 |
| 2 | Zfp1, a Cys2His2 zinc finger protein is required for meiosis initiation in <i>Tetrahymena thermophila</i> . <i>Cell Cycle</i> , 2022, , 1-12. | 1.3 | 1 |
| 3 | Identification and Characterization of Base-Substitution Mutations in the Macronuclear Genome of the Ciliate <i>Tetrahymena thermophila</i> . <i>Genome Biology and Evolution</i> , 2021, 13, . | 1.1 | 5 |
| 4 | A strategy for complete telomere-to-telomere assembly of ciliate macronuclear genome using ultra-high coverage Nanopore data. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1928-1932. | 1.9 | 10 |
| 5 | Evolution of the mating type gene pair and multiple sexes in <i>Tetrahymena</i> . <i>IScience</i> , 2021, 24, 101950. | 1.9 | 7 |
| 6 | Proteogenomic Analysis Provides Novel Insight into Genome Annotation and Nitrogen Metabolism in <i>Nostoc</i> sp. PCC 7120. <i>Microbiology Spectrum</i> , 2021, 9, e0049021. | 1.2 | 5 |
| 7 | RNA Interference by Cyanobacterial Feeding Demonstrates the SCSG1 Gene Is Essential for Ciliogenesis during Oral Apparatus Regeneration in <i>Stentor</i> . <i>Microorganisms</i> , 2021, 9, 176. | 1.6 | 4 |
| 8 | Single-cell transcriptome sequencing of rumen ciliates provides insight into their molecular adaptations to the anaerobic and carbohydrate-rich rumen microenvironment. <i>Molecular Phylogenetics and Evolution</i> , 2020, 143, 106687. | 1.2 | 14 |
| 9 | Protist 10,000 Genomes Project. <i>Innovation(China)</i> , 2020, 1, 100058. | 5.2 | 14 |
| 10 | Bacteria-Derived Hemolysis-Related Genes Widely Exist in Scuticociliates. <i>Microorganisms</i> , 2020, 8, 1838. | 1.6 | 4 |
| 11 | The sexual cell cycle initiation is regulated by CDK19/CYC9 in <i>Tetrahymena thermophila</i> . <i>Journal of Cell Science</i> , 2020, 133, . | 1.2 | 12 |
| 12 | Proteomic identification and expression of oral apparatus constituents in cell regeneration of giant ciliate <i>Stentor coeruleus</i> (strain WHEL). <i>Gene</i> , 2020, 743, 144624. | 1.0 | 7 |
| 13 | Sequencing and characterization of the macronuclear rDNA minichromosome of the protozoan <i>Tetrahymena pyriformis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 147, 576-581. | 3.6 | 1 |
| 14 | Drivers of Mating Type Composition in <i>Tetrahymena thermophila</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 2328-2343. | 1.1 | 8 |
| 15 | Transcriptome Analysis Reveals the Molecular Mechanism of Resting Cyst Formation in <i>Colpoda aspera</i> . <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 212-220. | 0.8 | 11 |
| 16 | Exploration of Genetic Variations through Single-cell Whole-genome Sequencing in the Model Ciliate <i>Tetrahymena thermophila</i> . <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 954-965. | 0.8 | 8 |
| 17 | Hidden genomic evolution in a morphospecies—The landscape of rapidly evolving genes in <i>Tetrahymena</i> . <i>PLoS Biology</i> , 2019, 17, e3000294. | 2.6 | 31 |
| 18 | <i>Tetrahymena</i> Comparative Genomics Database (TCGD): a community resource for <i>Tetrahymena</i> . <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, . | 1.4 | 7 |

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|----|--|-----|-----------|
| 19 | RNAi-dependent <i>Polycomb</i> repression controls transposable elements in <i>Tetrahymena</i> . <i>Genes and Development</i> , 2019, 33, 348-364. | 2.7 | 42 |
| 20 | Insights into the origin and evolution of Peritrichia (Oligohymenophorea, Ciliophora) based on analyses of morphology and phylogenomics. <i>Molecular Phylogenetics and Evolution</i> , 2019, 132, 25-35. | 1.2 | 50 |
| 21 | A DP-like transcription factor protein interacts with E2f1 to regulate meiosis in <i>Tetrahymena thermophila</i> . <i>Cell Cycle</i> , 2018, 17, 634-642. | 1.3 | 31 |
| 22 | <i>Pseudocohnilembus persalinus</i> genome database - the first genome database of facultative scuticociliatosis pathogens. <i>BMC Genomics</i> , 2018, 19, 676. | 1.2 | 3 |
| 23 | EOGD: the <i>Euplotes octocarinatus</i> genome database. <i>BMC Genomics</i> , 2018, 19, 63. | 1.2 | 12 |
| 24 | E2f1 is a meiosis-specific transcription factor in the protist <i>Tetrahymena thermophila</i> . <i>Cell Cycle</i> , 2017, 16, 123-135. | 1.3 | 9 |
| 25 | Nonsense-mediated mRNA decay in <i>Tetrahymena</i> is EJC independent and requires a protozoa-specific nuclease. <i>Nucleic Acids Research</i> , 2017, 45, 6848-6863. | 6.5 | 22 |
| 26 | A germline-limited piggyBac transposase gene is required for precise excision in <i>Tetrahymena</i> genome rearrangement. <i>Nucleic Acids Research</i> , 2017, 45, 9481-9502. | 6.5 | 43 |
| 27 | Phylogenomic analysis of <i>Balantidium ctenopharyngodoni</i> (Ciliophora, Litostomatea) based on single-cell transcriptome sequencing. <i>Parasite</i> , 2017, 24, 43. | 0.8 | 9 |
| 28 | Dissecting relative contributions of <i>cis</i> - and <i>trans</i> -determinants to nucleosome distribution by comparing <i>Tetrahymena</i> macronuclear and micronuclear chromatin. <i>Nucleic Acids Research</i> , 2016, 44, gkw684. | 6.5 | 25 |
| 29 | The key role of <i>CYC2</i> during meiosis in <i>Tetrahymena thermophila</i> . <i>Protein and Cell</i> , 2016, 7, 236-249. | 4.8 | 11 |
| 30 | <i>Cyc17</i> , a meiosis-specific cyclin, is essential for anaphase initiation and chromosome segregation in <i>Tetrahymena thermophila</i> . <i>Cell Cycle</i> , 2016, 15, 1855-1864. | 1.3 | 17 |
| 31 | Epidermal growth factor-induced stimulation of proliferation and gene expression changes in the hypotrichous ciliate, <i>Stylonychia lemnae</i> . <i>Gene</i> , 2016, 592, 186-192. | 1.0 | 2 |
| 32 | <i>Cdk3</i> , a conjugation-specific cyclin-dependent kinase, is essential for the initiation of meiosis in <i>Tetrahymena thermophila</i> . <i>Cell Cycle</i> , 2016, 15, 2506-2514. | 1.3 | 17 |
| 33 | High frequency of +1 programmed ribosomal frameshifting in <i>Euplotes octocarinatus</i> . <i>Scientific Reports</i> , 2016, 6, 21139. | 1.6 | 48 |
| 34 | Structure of the germline genome of <i>Tetrahymena thermophila</i> and relationship to the massively rearranged somatic genome. <i>ELife</i> , 2016, 5, . | 2.8 | 130 |
| 35 | Tracing the structural evolution of eukaryotic ATP binding cassette transporter superfamily. <i>Scientific Reports</i> , 2015, 5, 16724. | 1.6 | 55 |
| 36 | Genome of the facultative scuticociliatosis pathogen <i>Pseudocohnilembus persalinus</i> provides insight into its virulence through horizontal gene transfer. <i>Scientific Reports</i> , 2015, 5, 15470. | 1.6 | 46 |

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| 37 | ATP-binding cassette transporter enhances tolerance to DDT in <i>Tetrahymena</i> . <i>Science China Life Sciences</i> , 2015, 58, 297-304. | 2.3 | 14 |
| 38 | Phylogenomic analyses reveal subclass Scuticociliatia as the sister group of subclass Hymenostomata within class Oligohymenophorea. <i>Molecular Phylogenetics and Evolution</i> , 2015, 90, 104-111. | 1.2 | 37 |
| 39 | The Genome of the Myxosporean <i>Thelohanellus kitauei</i> Shows Adaptations to Nutrient Acquisition within Its Fish Host. <i>Genome Biology and Evolution</i> , 2014, 6, 3182-3198. | 1.1 | 48 |
| 40 | Missing Genes, Multiple ORFs, and C-to-U Type RNA Editing in <i>Acrasis kona</i> (Heterolobosea, Excavata) Mitochondrial DNA. <i>Genome Biology and Evolution</i> , 2014, 6, 2240-2257. | 1.1 | 26 |
| 41 | Cd-Metallothioneins in Three Additional <i>Tetrahymena</i> Species: Intragenic Repeat Patterns and Induction by Metal Ions. <i>Journal of Eukaryotic Microbiology</i> , 2014, 61, 333-342. | 0.8 | 3 |
| 42 | Phosphoproteomic Analysis of Protein Phosphorylation Networks in <i>Tetrahymena thermophila</i> , a Model Single-celled Organism. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 503-519. | 2.5 | 21 |
| 43 | New phylogenomic and comparative analyses provide corroborating evidence that Myxozoa is Cnidaria. <i>Molecular Phylogenetics and Evolution</i> , 2014, 81, 10-18. | 1.2 | 34 |
| 44 | Identification and characterization of the arsenite methyltransferase from a protozoan, <i>Tetrahymena pyriformis</i> . <i>Aquatic Toxicology</i> , 2014, 149, 50-57. | 1.9 | 24 |
| 45 | A P450 gene associated with robust resistance to DDT in ciliated protozoan, <i>Tetrahymena thermophila</i> by efficient degradation. <i>Aquatic Toxicology</i> , 2014, 149, 126-132. | 1.9 | 15 |
| 46 | <i>Tetrahymena</i> Functional Genomics Database (TetraFGD): an integrated resource for <i>Tetrahymena</i> functional genomics. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bat008. | 1.4 | 51 |
| 47 | Impaired replication elongation in <i>Tetrahymena</i> mutants deficient in histone H3 Lys 27 monomethylation. <i>Genes and Development</i> , 2013, 27, 1662-1679. | 2.7 | 64 |
| 48 | Selecting One of Several Mating Types through Gene Segment Joining and Deletion in <i>Tetrahymena thermophila</i> . <i>PLoS Biology</i> , 2013, 11, e1001518. | 2.6 | 81 |
| 49 | The nonhistone, N-terminal tail of an essential, chimeric H2A variant regulates mitotic H3-S10 dephosphorylation. <i>Genes and Development</i> , 2012, 26, 615-629. | 2.7 | 7 |
| 50 | Whole Genome Studies of <i>Tetrahymena</i> . <i>Methods in Cell Biology</i> , 2012, 109, 53-81. | 0.5 | 30 |
| 51 | <i>Vorticella</i> Linnaeus, 1767 (Ciliophora, Oligohymenophora, Peritrichia) is a Grade not a Clade: Redefinition of <i>Vorticella</i> and the Families <i>Vorticellidae</i> and <i>Astylozoidae</i> using Molecular Characters Derived from the Gene Coding for Small Subunit Ribosomal RNA. <i>Protist</i> , 2012, 163, 129-142. | 0.6 | 42 |
| 52 | Transcriptome Analysis of the Model Protozoan, <i>Tetrahymena thermophila</i> , Using Deep RNA Sequencing. <i>PLoS ONE</i> , 2012, 7, e30630. | 1.1 | 111 |
| 53 | Gene Network Landscape of the Ciliate <i>Tetrahymena thermophila</i> . <i>PLoS ONE</i> , 2011, 6, e20124. | 1.1 | 28 |
| 54 | A Chitinase from <i>Aeromonas veronii</i> CD3 with the Potential to Control Myxozoan Disease. <i>PLoS ONE</i> , 2011, 6, e29091. | 1.1 | 10 |

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|----|---|-----|-----------|
| 55 | Tetrahymena Gene Expression Database (TGED): A resource of microarray data and co-expression analyses for Tetrahymena. <i>Science China Life Sciences</i> , 2011, 54, 65-67. | 2.3 | 37 |
| 56 | Toxicogenomic investigation of Tetrahymena thermophila exposed to dichlorodiphenyltrichloroethane (DDT), tributyltin (TBT), and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). <i>Science China Life Sciences</i> , 2011, 54, 617-625. | 2.3 | 9 |
| 57 | Genome-wide identification and evolution of ATP-binding cassette transporters in the ciliate Tetrahymena thermophila: A case of functional divergence in a multigene family. <i>BMC Evolutionary Biology</i> , 2010, 10, 330. | 3.2 | 29 |
| 58 | Cloning and Expression Analysis of <i>Tetrahymena</i> 2-Oxoglutarate/Malate Carrier Gene (<i>OMC</i>) Exposed to Dichlorodiphenyltrichloroethane (DDT)*. <i>Ying Yong Yu Huan Jing Sheng Wu Xue Bao = Chinese Journal of Applied and Environmental Biology</i> , 2010, 16, 216-221. | 0.1 | 2 |
| 59 | Independent Transport and Sorting of Functionally Distinct Protein Families in <i>Tetrahymena thermophila</i> Dense Core Secretory Granules. <i>Eukaryotic Cell</i> , 2009, 8, 1575-1583. | 3.4 | 18 |
| 60 | Genome-wide identification and characterization of cytochrome P450 monooxygenase genes in the ciliate Tetrahymena thermophila. <i>BMC Genomics</i> , 2009, 10, 208. | 1.2 | 29 |
| 61 | Microarray Analyses of Gene Expression during the Tetrahymena thermophila Life Cycle. <i>PLoS ONE</i> , 2009, 4, e4429. | 1.1 | 163 |
| 62 | Cloning, characterization, and gene expression analysis of a novel cadmium metallothionein gene in Tetrahymena pigmentosa. <i>Gene</i> , 2008, 423, 29-35. | 1.0 | 19 |
| 63 | Differentially expressed genes of Tetrahymena thermophila in response to tributyltin (TBT) identified by suppression subtractive hybridization and real time quantitative PCR. <i>Aquatic Toxicology</i> , 2007, 81, 99-105. | 1.9 | 21 |
| 64 | Identification of differentially expressed genes in Tetrahymena thermophila in response to dichlorodiphenyltrichloroethane (DDT) by suppression subtractive hybridization. <i>Environmental Microbiology</i> , 2006, 8, 1122-1129. | 1.8 | 14 |
| 65 | Reevaluation of the Phylogenetic Relationship between Mobilid and Sessilid Peritrichs (Ciliophora). <i>Tj ETQq1 1 0.784314 rgBT /Overlook</i> <i>Microbiology</i> , 2006, 53, 397-403. | 0.8 | 41 |
| 66 | Cloning and Characterization of a New Multi-Stress Inducible Metallothionein Gene in Tetrahymena pyriformis. <i>Protist</i> , 2006, 157, 193-203. | 0.6 | 31 |
| 67 | Application of polyurethane foam units and calorimetry to microbial monitoring in Lake Donghu. <i>Thermochimica Acta</i> , 2005, 438, 63-69. | 1.2 | 7 |
| 68 | The Giant Zooxanthellae-Bearing Ciliate Maristentor dinofereus (Heterotrichea) is Closely Related to Folliculinidae. <i>Journal of Eukaryotic Microbiology</i> , 2005, 52, 11-16. | 0.8 | 23 |
| 69 | Phylogenetic Relationships of the Subclass Peritrichia (Oligohymenophorea, Ciliophora) Inferred from Small Subunit rRNA Gene Sequences1. <i>Journal of Eukaryotic Microbiology</i> , 2004, 51, 180-186. | 0.8 | 49 |
| 70 | Intraspecific phylogeography of Carchesium polypinum (Peritrichia, Ciliophora) from China, inferred from 18S-ITS1-5.8S ribosomal DNA. <i>Science in China Series C: Life Sciences</i> , 2004, 47, 11. | 1.3 | 21 |
| 71 | Phylogenetic relationships among six species of Epistylis inferred from 18S-ITS1 sequences. <i>Science in China Series C: Life Sciences</i> , 2002, 45, 280. | 1.3 | 3 |
| 72 | Phylogenetic Relationships of the Subclass Peritrichia (Oligohymenophorea, Ciliophora) with Emphasis on the Genus Epistylis, Inferred from Small Subunit rRNA Gene Sequences. <i>Journal of Eukaryotic Microbiology</i> , 2001, 48, 583-587. | 0.8 | 53 |