# Zhiyong Liu

List of Publications by Year
in descending order



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|---|---|---|---|
| 44 papers | 2,254 citations | 257450 24 h-index | 254184 43 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 1942 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fateâ€mapping analysis of cochlear cells expressing Atoh1<scp>mRNA</scp> via a new Atoh1<sup>3*<scp>HAâ€P2Aâ€Cre</scp></sup> knockin mouse strain. Developmental Dynamics, 2022, 251, 1156-1174. | 1.8 | 11 |
| 2 | In vivo CRISPRâ€Cas9â€mediated DNA chop identifies a cochlear outer hair cellâ€specific enhancer. FASEB Journal, 2022, 36, e22233. | 0.5 | 12 |
| 3 | Single-cell transcriptomic landscapes of the otic neuronal lineage at multiple early embryonic ages. Cell Reports, 2022, 38, 110542. | 6.4 | 19 |
| 4 | Alternative Splicing of Three Genes Encoding Mechanotransduction-Complex Proteins in Auditory Hair Cells. ENeuro, 2021, 8, ENEURO.0381-20.2020. | 1.9 | 4 |
| 5 | Mosaic CRISPR-stop enables rapid phenotyping of nonsense mutations in essential genes. Development (Cambridge), 2021, 148, . | 2.5 | 19 |
| 6 | Endothelial Wnts control mammary epithelial patterning via fibroblast signaling. Cell Reports, 2021, 34, 108897. | 6.4 | 15 |
| 7 | Flagella hook protein FlgE is a novel vaccine candidate of Pseudomonas aeruginosa identified by a genomic approach. Vaccine, 2021, 39, 2386-2395. | 3.8 | 10 |
| 8 | PIEZO2 mediates ultrasonic hearing via cochlear outer hair cells in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 12 |
| 9 | Mapping Genome-wide Binding Sites of Prox1 in Mouse Cochlea Using the CUT&RUN Approach. Neuroscience Bulletin, 2021, 37, 1703-1707. | 2.9 | 8 |
| 10 | Antibiotic Combined with Epitope-Specific Monoclonal Antibody Cocktail Protects Mice Against Bacteremia and Acute Pneumonia from Methicillin-Resistant Staphylococcus aureus Infection. Journal of Inflammation Research, 2021, Volume 14, 4267-4282. | 3.5 | 3 |
| 11 | Dual expression of Atoh1 and Ikzf2 promotes transformation of adult cochlear supporting cells into outer hair cells. ELife, 2021, 10, . | 6.0 | 37 |
| 12 | Fateâ€mapping analysis using Rorbâ€IRESâ€Cre reveals apicalâ€toâ€basal gradient of Rorb expression in mouse cochlea. Developmental Dynamics, 2020, 249, 173-186. | 1.8 | 6 |
| 13 | In vivo ectopic Ngn1 and Neurod1 convert neonatal cochlear glial cells into spiral ganglion neurons. FASEB Journal, 2020, 34, 4764-4782. | 0.5 | 19 |
| 14 | Current progress toward hearing recover. Neuroscience Letters, 2020, 722, 134831. | 2.1 | 0 |
| 15 | Comprehensive transcriptome analysis of cochlear spiral ganglion neurons at multiple ages. ELife, 2020, 9, . | 6.0 | 52 |
| 16 | Quinoline Derivatives Kill Mycobacterium tuberculosis by Activating Glutamate Kinase. Cell Chemical Biology, 2019, 26, 1187-1194.e5. | 5.2 | 13 |
| 17 | Localization of TMC1 and LHFPL5 in auditory hair cells in neonatal and adult mice. FASEB Journal, 2019, 33, 6838-6851. | 0.5 | 33 |
| 18 | Discovery and Biosynthesis of Atrovimycin, an Antitubercular and Antifungal Cyclodepsipeptide Featuring Vicinal-dihydroxylated Cinnamic Acyl Chain. Organic Letters, 2019, 21, 2634-2638. | 4.6 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Design and synthesis of novel pyrimidine derivatives as potent antitubercular agents. European Journal of Medicinal Chemistry, 2019, 163, 169-182. | 5.5 | 47 |
| 20 | Pyrazolo[1,5-a]pyridine Inhibitor of the Respiratory Cytochrome bcc Complex for the Treatment of Drug-Resistant Tuberculosis. ACS Infectious Diseases, 2019, 5, 239-249. | 3.8 | 74 |
| 21 | The compound TB47 is highly bactericidal against Mycobacterium ulcerans in a Buruli ulcer mouse model. Nature Communications, 2019, 10, 524. | 12.8 | 45 |
| 22 | Characterizing a novel vGlut3-P2A-iCreER knockin mouse strain in cochlea. Hearing Research, 2018, 364, 12-24. | 2.0 | 34 |
| 23 | Simultaneous zygotic inactivation of multiple genes in mouse through CRISPR/Cas9-mediated base editing. Development (Cambridge), 2018, 145, . | 2.5 | 42 |
| 24 | Rational Design and Evaluation of an Artificial Escherichia coli K1 Protein Vaccine Candidate Based on the Structure of OmpA. Frontiers in Cellular and Infection Microbiology, 2018, 8, 172. | 3.9 | 28 |
| 25 | Rapid detection of blaNDM-1 in multidrug-resistant organisms using a novel electrochemical biosensor. RSC Advances, 2017, 7, 12576-12585. | 3.6 | 9 |
| 26 | Stem Cell-Intrinsic, Seven-up-Triggered Temporal Factor Gradients Diversify Intermediate Neural Progenitors. Current Biology, 2017, 27, 1303-1313. | 3.9 | 81 |
| 27 | Hospital-wide comparison of health care-associated infection among 8 intensive care units: A retrospective analysis for 2010-2015. American Journal of Infection Control, 2017, 45, e7-e13. | 2.3 | 17 |
| 28 | Cell Class-Lineage Analysis Reveals Sexually Dimorphic Lineage Compositions in the Drosophila Brain. Current Biology, 2016, 26, 2583-2593. | 3.9 | 67 |
| 29 | Transcriptomes of lineage-specific Drosophila neuroblasts profiled via genetic targeting and robotic sorting. Development (Cambridge), 2015, 143, 411-21. | 2.5 | 49 |
| 30 | Opposing intrinsic temporal gradients guide neural stem cell production of varied neuronal fates. Science, 2015, 350, 317-320. | 12.6 | 130 |
| 31 | In Vivo Generation of Immature Inner Hair Cells in Neonatal Mouse Cochleae by Ectopic Atoh1 Expression. PLoS ONE, 2014, 9, e89377. | 2.5 | 99 |
| 32 | Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. Development (Cambridge), 2014, 141, 816-829. | 2.5 | 293 |
| 33 | Auditory Hair Cell-Specific Deletion of p27<sup>Kip1</sup>in Postnatal Mice Promotes Cell-Autonomous Generation of New Hair Cells and Normal Hearing. Journal of Neuroscience, 2014, 34, 15751-15763. | 3.6 | 39 |
| 34 | Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. Development (Cambridge), 2014, 141, 1599-1599. | 2.5 | 14 |
| 35 | In Vivo Visualization of Notch1 Proteolysis Reveals the Heterogeneity of Notch1 Signaling Activity in the Mouse Cochlea. PLoS ONE, 2013, 8, e64903. | 2.5 | 12 |
| 36 | Age-DependentIn VivoConversion of Mouse Cochlear Pillar and Deiters' Cells to Immature Hair Cells by Atoh1 Ectopic Expression. Journal of Neuroscience, 2012, 32, 6600-6610. | 3.6 | 213 |

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|---|---|---|---|
| 37 | Wnt signaling induces proliferation of sensory precursors in the postnatal mouse cochlea. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8167-8172. | 7.1 | 286 |
| 38 | Regulation of p27Kip1 by Sox2 Maintains Quiescence of Inner Pillar Cells in the Murine Auditory Sensory Epithelium. Journal of Neuroscience, 2012, 32, 10530-10540. | 3.6 | 61 |
| 39 | Overactivation of Notch1 Signaling Induces Ectopic Hair Cells in the Mouse Inner Ear in an Age-Dependent Manner. PLoS ONE, 2012, 7, e34123. | 2.5 | 44 |
| 40 | In vivo notch reactivation in differentiating cochlear hair cells induces sox2 and prox1 expression but does not disrupt hair cell maturation. Developmental Dynamics, 2012, 241, 684-696. | 1.8 | 25 |
| 41 | Conditional Gene Expression in the Mouse Inner Ear Using Cre-loxP. JARO - Journal of the Association for Research in Otolaryngology, 2012, 13, 295-322. | 1.8 | 77 |
| 42 | Dynamic expression pattern of Sonic hedgehog in developing cochlear spiral ganglion neurons. Developmental Dynamics, 2010, 239, 1674-1683. | 1.8 | 63 |
| 43 | In Vivo Proliferation of Postmitotic Cochlear Supporting Cells by Acute Ablation of the Retinoblastoma Protein in Neonatal Mice. Journal of Neuroscience, 2010, 30, 5927-5936. | 3.6 | 60 |
| 44 | Cell cycle regulation in hair cell development and regeneration in the mouse cochlea. Cell Cycle, 2008, 7, 2129-2133. | 2.6 | 30 |