Zhiyong Liu

List of Publications by Year
in descending order

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	Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. Development (Cambridge), 2014, 141, 816-829.	2.5	293
2	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
3	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
4	Opposing intrinsic temporal gradients guide neural stem cell production of varied neuronal fates. Science, 2015, 350, 317-320.	12.6	130
5	In Vivo Generation of Immature Inner Hair Cells in Neonatal Mouse Cochleae by Ectopic Atoh1 Expression. PLoS ONE, 2014, 9, e89377.	2.5	99
6	Stem Cell-Intrinsic, Seven-up-Triggered Temporal Factor Gradients Diversify Intermediate Neural Progenitors. Current Biology, 2017, 27, 1303-1313.	3.9	81
7	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
8	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
9	Cell Class-Lineage Analysis Reveals Sexually Dimorphic Lineage Compositions in the Drosophila Brain. Current Biology, 2016, 26, 2583-2593.	3.9	67
10	Dynamic expression pattern of Sonic hedgehog in developing cochlear spiral ganglion neurons. Developmental Dynamics, 2010, 239, 1674-1683.	1.8	63
11	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
12	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
13	Comprehensive transcriptome analysis of cochlear spiral ganglion neurons at multiple ages. ELife, 2020, 9, .	6.0	52
14	Transcriptomes of lineage-specific Drosophila neuroblasts profiled via genetic targeting and robotic sorting. Development (Cambridge), 2015, 143, 411-21.	2.5	49
15	Design and synthesis of novel pyrimidine derivatives as potent antitubercular agents. European Journal of Medicinal Chemistry, 2019, 163, 169-182.	5.5	47
16	The compound TB47 is highly bactericidal against Mycobacterium ulcerans in a Buruli ulcer mouse model. Nature Communications, 2019, 10, 524.	12.8	45
17	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
18	Simultaneous zygotic inactivation of multiple genes in mouse through CRISPR/Cas9-mediated base editing. Development (Cambridge), 2018, 145, .	2.5	42

#	Article	IF	Citations
19	Auditory Hair Cell-Specific Deletion of p27^{Kip1}in Postnatal Mice Promotes Cell-Autonomous Generation of New Hair Cells and Normal Hearing. Journal of Neuroscience, 2014, 34, 15751-15763.	3.6	39
20	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
21	Dual expression of Atoh1 and Ikzf2 promotes transformation of adult cochlear supporting cells into outer hair cells. ELife, 2021, 10, .	6.0	37
22	Characterizing a novel vGlut3-P2A-iCreER knockin mouse strain in cochlea. Hearing Research, 2018, 364, 12-24.	2.0	34
23	Localization of TMC1 and LHFPL5 in auditory hair cells in neonatal and adult mice. FASEB Journal, 2019, 33, 6838-6851.	0.5	33
24	Cell cycle regulation in hair cell development and regeneration in the mouse cochlea. Cell Cycle, 2008, 7, 2129-2133.	2.6	30
25	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
26	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
27	In vivo ectopic Ngn1 and Neurod1 convert neonatal cochlear glial cells into spiral ganglion neurons. FASEB Journal, 2020, 34, 4764-4782.	0.5	19
28	Mosaic CRISPR-stop enables rapid phenotyping of nonsense mutations in essential genes. Development (Cambridge), 2021, 148, .	2.5	19
29	Single-cell transcriptomic landscapes of the otic neuronal lineage at multiple early embryonic ages. Cell Reports, 2022, 38, 110542.	6.4	19
30	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
31	Endothelial Wnts control mammary epithelial patterning via fibroblast signaling. Cell Reports, 2021, 34, 108897.	6.4	15
32	Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. Development (Cambridge), 2014, 141, 1599-1599.	2.5	14
33	Quinoline Derivatives Kill Mycobacterium tuberculosis by Activating Glutamate Kinase. Cell Chemical Biology, 2019, 26, 1187-1194.e5.	5.2	13
34	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
35	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
36	In vivo CRISPRâ€Cas9â€mediated DNA chop identifies a cochlear outer hair cellâ€specific enhancer. FASEB Journal, 2022, 36, e22233.	0.5	12

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37	Fateâ€mapping analysis of cochlear cells expressing Atoh1<scp>mRNA</scp> via a new Atoh1^{3*<scp>HAâ€P2Aâ€Cre</scp>} knockin mouse strain. Developmental Dynamics, 2022, 251, 1156-1174.	1.8	11
38	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
39	Rapid detection of blaNDM-1 in multidrug-resistant organisms using a novel electrochemical biosensor. RSC Advances, 2017, 7, 12576-12585.	3.6	9
40	Mapping Genome-wide Binding Sites of Prox1 in Mouse Cochlea Using the CUT&RUN Approach. Neuroscience Bulletin, 2021, 37, 1703-1707.	2.9	8
41	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
42	Alternative Splicing of Three Genes Encoding Mechanotransduction-Complex Proteins in Auditory Hair Cells. ENeuro, 2021, 8, ENEURO.0381-20.2020.	1.9	4
43	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
44	Current progress toward hearing recover. Neuroscience Letters, 2020, 722, 134831.	2.1	0