Zheng-Yi Chen

List of Publications by Year
in descending order

34 papers	3,226 citations	331670 21 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	4837 citing authors

#	Article	IF	Citations
1	Cationic lipid-mediated delivery of proteins enables efficient protein-based genome editing in vitro and in vivo. Nature Biotechnology, 2015, 33, 73-80.	17.5	1,180
2	Treatment of autosomal dominant hearing loss by in vivo delivery of genome editing agents. Nature, 2018, 553, 217-221.	27.8	412
3	Gene Expression by Mouse Inner Ear Hair Cells during Development. Journal of Neuroscience, 2015, 35, 6366-6380.	3.6	308
4	Proliferation of Functional Hair Cells in Vivo in the Absence of the Retinoblastoma Protein. Science, 2005, 307, 1114-1118.	12.6	240
5	Notch inhibition induces mitotically generated hair cells in mammalian cochleae via activating the Wnt pathway. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 166-171.	7.1	182
6	Discovery and Characterization of a Peptide That Enhances Endosomal Escape of Delivered Proteins in Vitro and in Vivo. Journal of the American Chemical Society, 2015, 137, 14084-14093.	13.7	109
7	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	27.8	84
8	Identification of Adeno-Associated Viral Vectors That Target Neonatal and Adult Mammalian Inner Ear Cell Subtypes. Human Gene Therapy, 2016, 27, 687-699.	2.7	79
9	Renewed proliferation in adult mouse cochlea and regeneration of hair cells. Nature Communications, 2019, 10, 5530.	12.8	71
10	Delivery of Adeno-Associated Virus Vectors in Adult Mammalian Inner-Ear Cell Subtypes Without Auditory Dysfunction. Human Gene Therapy, 2018, 29, 492-506.	2.7	64
11	Ex vivo cell-based CRISPR/Cas9 genome editing for therapeutic applications. Biomaterials, 2020, 234, 119711.	11.4	58
12	The application of genome editing in studying hearing loss. Hearing Research, 2015, 327, 102-108.	2.0	46
13	Hair Cell Overexpression of Islet1 Reduces Age-Related and Noise-Induced Hearing Loss. Journal of Neuroscience, 2013, 33, 15086-15094.	3.6	41
14	Diverse expression patterns of LIMâ€homeodomain transcription factors (LIMâ€HDs) in mammalian inner ear development. Developmental Dynamics, 2008, 237, 3305-3312.	1.8	33
15	XIRP2, an Actin-Binding Protein Essential for Inner Ear Hair-Cell Stereocilia. Cell Reports, 2015, 10, 1811-1818.	6.4	32
16	Gene editing in a Myo6 semi-dominant mouse model rescues auditory function. Molecular Therapy, 2022, 30, 105-118.	8.2	31
17	Overlapping and distinct pRb pathways in the mammalian auditory and vestibular organs. Cell Cycle, 2011, 10, 337-351.	2.6	29
18	Creation of miniature pig model of human Waardenburg syndrome type 2A by ENU mutagenesis. Human Genetics, 2017, 136, 1463-1475.	3.8	28

#	Article	IF	Citations
19	The Î±1 subunit of nicotinic acetylcholine receptors in the inner ear: transcriptional regulation by ATOH1 and coâ€expression with the Î³ subunit in hair cells. Journal of Neurochemistry, 2007, 103, 2651-2664.	3.9	27
20	Adenovirus Vectors Target Several Cell Subtypes of Mammalian Inner Ear<i> In Vivo</i>. Neural Plasticity, 2016, 2016, 1-8.	2.2	26
21	In Vivo Assessment of Potential Therapeutic Approaches for USH2A-Associated Diseases. Advances in Experimental Medicine and Biology, 2019, 1185, 91-96.	1.6	26
22	Myc and Fgf Are Required for Zebrafish Neuromast Hair Cell Regeneration. PLoS ONE, 2016, 11, e0157768.	2.5	22
23	Preventing autosomal-dominant hearing loss in Bth mice with CRISPR/CasRx-based RNA editing. Signal Transduction and Targeted Therapy, 2022, 7, 79.	17.1	22
24	Genome and base editing for genetic hearing loss. Hearing Research, 2020, 394, 107958.	2.0	18
25	Generation and Genetic Correction of USH2A c.2299delG Mutation in Patient-Derived Induced Pluripotent Stem Cells. Genes, 2021, 12, 805.	2.4	16
26	Stem Cells and Gene Therapy in Progressive Hearing Loss: the State of the Art. JARO - Journal of the Association for Research in Otolaryngology, 2021, 22, 95-105.	1.8	15
27	The Key Transcription Factor Expression in the Developing Vestibular and Auditory Sensory Organs: A Comprehensive Comparison of Spatial and Temporal Patterns. Neural Plasticity, 2018, 2018, 1-9.	2.2	8
28	Direct Functional Protein Delivery with a Peptide into Neonatal and Adult Mammalian Inner Ear InÂVivo. Molecular Therapy - Methods and Clinical Development, 2020, 18, 511-519.	4.1	5
29	Disrupting the Interaction between Retinoblastoma Protein and Raf-1 Leads to Defects in Progenitor Cell Proliferation and Survival during Early Inner Ear Development. PLoS ONE, 2013, 8, e83726.	2.5	4
30	Generation and characterization of a <i>P2rx2</i> V60L mouse model for DFNA41. Human Molecular Genetics, 2021, 30, 985-995.	2.9	4
31	Applications of genomics in the inner ear. Pharmacogenomics, 2003, 4, 735-745.	1.3	3
32	Biomedical applications of gene editing. Human Genetics, 2016, 135, 967-969.	3.8	1
33	Characterization of UMi028-A-1 stem cell line that contains a CRISPR/Cas9 induced hearing loss-associated variant (V60L (c.178GÂ>ÂT)) in the P2RX2 gene. Stem Cell Research, 2020, 49, 102017.	0.7	1
34	A Novel in vitro Model Delineating Hair Cell Regeneration and Neural Reinnervation in Adult Mouse Cochlea. Frontiers in Molecular Neuroscience, 2021, 14, 757831.	2.9	1