Alan G Cheng

List of Publications by Year
in descending order

69 papers	3,270 citations	279798 23 h-index	155660 55 g-index
69 all docs	69 docs citations	69 times ranked	2540 citing authors

#	Article	IF	Citations
1	Neomycin-Induced Hair Cell Death and Rapid Regeneration in the Lateral Line of Zebrafish (Danio rerio) Tj ETQq1 1 0.784314 rgBT /O	1.8	415
2	Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. Development (Cambridge), 2014, 141, 816-829.	2.5	293
3	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
4	Functional Hair Cell Mechanotransducer Channels Are Required for Aminoglycoside Ototoxicity. PLoS ONE, 2011, 6, e22347.	2.5	207
5	Mechanisms of hair cell death and protection. Current Opinion in Otolaryngology and Head and Neck Surgery, 2005, 13, 343-348.	1.8	203
6	Oxidative stressâ€induced apoptosis of cochlear sensory cells: otoprotective strategies. International Journal of Developmental Neuroscience, 2000, 18, 259-270.	1.6	182
7	Lgr5+ cells regenerate hair cells via proliferation and direct transdifferentiation in damaged neonatal mouse utricle. Nature Communications, 2015, 6, 6613.	12.8	179
8	Sensory hair cell development and regeneration: similarities and differences. Development (Cambridge), 2015, 142, 1561-1571.	2.5	153
9	Caspase Activation in Hair Cells of the Mouse Utricle Exposed to Neomycin. Journal of Neuroscience, 2002, 22, 8532-8540.	3.6	151
10	Intrinsic regenerative potential of murine cochlear supporting cells. Scientific Reports, 2011, 1, 26.	3.3	104
11	Calpain inhibitors protect auditory sensory cells from hypoxia and neurotrophin-withdrawal induced apoptosis. Brain Research, 1999, 850, 234-243.	2.2	78
12	Hair Cell Death in the Avian Basilar Papilla: Characterization of the in vitro Model and Caspase Activation. JARO - Journal of the Association for Research in Otolaryngology, 2003, 4, 91-105.	1.8	78
13	Making sense of Wnt signalingâ€"linking hair cell regeneration to development. Frontiers in Cellular Neuroscience, 2015, 9, 66.	3.7	71
14	Designer aminoglycosides prevent cochlear hair cell loss and hearing loss. Journal of Clinical Investigation, 2015, 125, 583-592.	8.2	69
15	Towards the Prevention of Aminoglycoside-Related Hearing Loss. Frontiers in Cellular Neuroscience, 2017, 11, 325.	3.7	69
16	Sox2 haploinsufficiency primes regeneration and Wnt responsiveness in the mouse cochlea. Journal of Clinical Investigation, 2018, 128, 1641-1656.	8.2	58
17	Integrity and Regeneration of Mechanotransduction Machinery Regulate Aminoglycoside Entry and Sensory Cell Death. PLoS ONE, 2013, 8, e54794.	2.5	56
18	Atoh1 Directs Regeneration and Functional Recovery of the Mature Mouse Vestibular System. Cell Reports, 2019, 28, 312-324.e4.	6.4	55

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19	Sensorineural hearing loss in patients with cystic fibrosis. Otolaryngology - Head and Neck Surgery, 2009, 141, 86-90.	1.9	41
20	Intraoperative acupuncture for posttonsillectomy pain: A randomized, doubleâ€blind, placeboâ€controlled trial. Laryngoscope, 2015, 125, 1972-1978.	2.0	41
21	Clival osteomyelitis resulting from spread of infection through the fossa navicularis magna in a child. Pediatric Radiology, 2009, 39, 995-998.	2.0	38
22	Spatiotemporal dynamics of inner ear sensory and non-sensory cells revealed by single-cell transcriptomics. Cell Reports, 2021, 36, 109358.	6.4	31
23	Dissociating antibacterial from ototoxic effects of gentamicin C-subtypes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32423-32432.	7.1	29
24	Uncoordinated maturation of developing and regenerating postnatal mammalian vestibular hair cells. PLoS Biology, 2019, 17, e3000326.	5.6	26
25	Î²-Catenin is required for radial cell patterning and identity in the developing mouse cochlea. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21054-21060.	7.1	24
26	A Simple Method for Purification of Vestibular Hair Cells and Non-Sensory Cells, and Application for Proteomic Analysis. PLoS ONE, 2013, 8, e66026.	2.5	24
27	Decompression of the Orbital Apex. JAMA Otolaryngology, 2009, 135, 1015.	1.2	20
28	Acyclovir responsive brain stem disease after the Ramsay Hunt syndrome. Journal of the Neurological Sciences, 2004, 217, 111-113.	0.6	17
29	Transient, afferent input-dependent, postnatal niche for neural progenitor cells in the cochlear nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14456-14461.	7.1	17
30	Direct cellular reprogramming and inner ear regeneration. Expert Opinion on Biological Therapy, 2019, 19, 129-139.	3.1	17
31	Use of Diagnostic Testing and Intervention for Sensorineural Hearing Loss in US Children From 2008 to 2018. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 253.	2.2	16
32	Aminoglycoside ribosome interactions reveal novel conformational states at ambient temperature. Nucleic Acids Research, 2018, 46, 9793-9804.	14.5	15
33	Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. Development (Cambridge), 2014, 141, 1599-1599.	2.5	14
34	Airway management in Nager Syndrome. International Journal of Pediatric Otorhinolaryngology, 2008, 72, 1885-1888.	1.0	13
35	International Pediatric Otolaryngology Group (IPOG) Consensus Recommendations: Congenital Cholesteatoma. Otology and Neurotology, 2020, 41, 345-351.	1.3	13
36	Protein-Engineered Hydrogel Encapsulation for 3-D Culture of Murine Cochlea. Otology and Neurotology, 2015, 36, 531-538.	1.3	12

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37	Lineage-tracing and translatomic analysis of damage-inducible mitotic cochlear progenitors identifies candidate genes regulating regeneration. PLoS Biology, 2021, 19, e3001445.	5.6	12
38	Non-invasive electromechanical activation imaging as a tool to study left ventricular dyssynchronous patients: Implication for CRT therapy. Journal of Electrocardiology, 2016, 49, 375-382.	0.9	11
39	Dual regulation of planar polarization by secreted Wnts and Vangl2 in the developing mouse cochlea. Development (Cambridge), 2020, 147, .	2.5	11
40	Opioid Prescribing Patterns Following Pediatric Tonsillectomy in the United States, 2009â€“2017. Laryngoscope, 2021, 131, E1722-E1729.	2.0	11
41	Auramine Orange Stain With Fluorescence Microscopy is a Rapid and Sensitive Technique for the Detection of Cervical Lymphadenitis Due to Mycobacterial Infection Using Fine Needle Aspiration Cytology: A Case Series. Otolaryngology - Head and Neck Surgery, 2005, 133, 381-385.	1.9	10
42	Molecular therapy for genetic and degenerative vestibular disorders. Current Opinion in Otolaryngology and Head and Neck Surgery, 2018, 26, 307-311.	1.8	10
43	Identifying targets to prevent aminoglycoside ototoxicity. Molecular and Cellular Neurosciences, 2022, 120, 103722.	2.2	10
44	Repair of surviving hair cells in the damaged mouse utricle. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2116973119.	7.1	8
45	Mind Your Ears: A New Antidote to Aminoglycoside Toxicity?. Journal of Medicinal Chemistry, 2018, 61, 81-83.	6.4	7
46	Cerebral volume and diffusion MRI changes in children with sensorineural hearing loss. NeuroImage: Clinical, 2020, 27, 102328.	2.7	7
47	Isolating LacZ-expressing Cells from Mouse Inner Ear Tissues using Flow Cytometry. Journal of Visualized Experiments, 2011, , e3432.	0.3	6
48	Assessment of auditory and vestibular damage in a mouse model after single and triple blast exposures. Hearing Research, 2021, 407, 108292.	2.0	6
49	Melanoacanthoma of the external auditory canal: a case report and review of the literature. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2007, 28, 433-435.	1.3	5
50	Outpatient healthcare use and outcomes after pediatric tracheostomy. International Journal of Pediatric Otorhinolaryngology, 2021, 151, 110963.	1.0	5
51	Basilar membrane vibration after targeted removal of the third row of OHCs and Deiters cells. AIP Conference Proceedings, 2018, , .	0.4	4
52	Opposing effects of Wnt/Î²-catenin signaling on epithelial and mesenchymal cell fate in the developing cochlea. Development (Cambridge), 2021, 148, .	2.5	4
53	Mitral annuloplasty ring dehiscence demonstrated by preablation cardiac computed tomographic angiography: Influence on radiofrequency ablation of atrial fibrillation. Journal of Cardiovascular Computed Tomography, 2012, 6, 287-288.	1.3	3
54	Congenital Orocutaneous Fistula Associated With Ectopic Salivary Glands and Submandibular Gland Aplasia. Laryngoscope, 2021, 131, E998-E1001.	2.0	3

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55	Selection Criteria Optimal for Recovery of Inner Ear Tissues from Deceased Organ Donors. Otology and Neurotology, 2022, Publish Ahead of Print, .	1.3	3
56	Surgical Approach for Rapid and Minimally Traumatic Recovery of Human Inner Ear Tissues From Deceased Organ Donors. Otology and Neurotology, 2022, 43, e519-e525.	1.3	3
57	Use of Polysomnography and <scp>CPAP</scp> in Children Who Received Adenotonsillectomy, <scp>US</scp> 2004 to 2018. Laryngoscope, 2023, 133, 184-188.	2.0	3
58	Congenital Hearing Loss Is Associated With a High Incidence of Central Nervous System Abnormalities. Otology and Neurotology, 2020, 41, 1397-1405.	1.3	2
59	Trends and Healthcare Use Following Different Cholesteatoma Surgery Types in a National Cohort, 2003â€“2019. Otology and Neurotology, 2021, 42, e1293-e1300.	1.3	2
60	Gpr125 Marks Distinct Cochlear Cell Types and Is Dispensable for Cochlear Development and Hearing. Frontiers in Cell and Developmental Biology, 2021, 9, 690955.	3.7	2
61	MRI Correlates of Ototoxicity in the Auditory Pathway in Children Treated for Medulloblastoma. Otology and Neurotology, 2022, 43, e97-e104.	1.3	2
62	Infectious Complications Following Cochlear Implant: Risk Factors, Natural History, and Management Patterns. Otolaryngology - Head and Neck Surgery, 2022, 167, 745-752.	1.9	2
63	Cerebrospinal Fluid Leak in the Neck: A Rare Complication of Glomus Vagale Excision. Otolaryngology - Head and Neck Surgery, 2006, 134, 334-335.	1.9	1
64	Advances in Inner Ear Therapeutics for Hearing Loss in Children. Current Otorhinolaryngology Reports, 2020, 8, 285-294.	0.5	1
65	Editorial: Epidemiology and Genetics of Vestibular Disorders. Frontiers in Neurology, 2021, 12, 743379.	2.4	1
66	Airway Management in Nager Syndrome. Laryngoscope, 2009, 119, S179.	2.0	0
67	Pediatric giant juvenile xanthogranuloma in the parotid gland. Laryngoscope, 2011, 121, S205-S205.	2.0	0
68	Profiling Specific Inner Ear Cell Types Using Cell Sorting Techniques. Methods in Molecular Biology, 2016, 1427, 431-445.	0.9	0
69	Comments on Use of Diagnostic Testing and Intervention for Sensorineural Hearing Loss in US Childrenâ€”Reply. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 919.	2.2	0