

Tien-Chen Liu

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

2,232
citations

236925

25
h-index

265206

42
g-index

110
all docs

110
docs citations

110
times ranked

2285
citing authors

#	ARTICLE	IF	CITATIONS
1	Cochlear implantation in LEOPARD syndrome: Our experience with three patients. <i>Clinical Otolaryngology</i> , 2022, 47, 341-346.	1.2	0
2	Prognostic determinants of hearing outcomes in children with congenital cytomegalovirus infection. <i>Scientific Reports</i> , 2022, 12, 5219.	3.3	6
3	Cochlear Implantation Outcomes in Patients with Auditory Neuropathy Spectrum Disorder of Genetic and Non-Genetic Etiologies: A Multicenter Study. <i>Biomedicines</i> , 2022, 10, 1523.	3.2	9
4	Toward the Pathogenicity of the SLC26A4 p.C565Y Variant Using a Genetically Driven Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2789.	4.1	5
5	The prevalence and demographic features of congenital cytomegalovirus infection in an urban area of East Asia: A population-based study. <i>PLoS ONE</i> , 2021, 16, e0248801.	2.5	1
6	Editorial: Epidemiology and Genetics of Vestibular Disorders. <i>Frontiers in Neurology</i> , 2021, 12, 743379.	2.4	1
7	Tinnitus and tinnitus disorder: Theoretical and operational definitions (an international) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	1.4	150
8	Insights into phenotypic differences between humans and mice with p.T721M and other C-terminal variants of the SLC26A4 gene. <i>Scientific Reports</i> , 2021, 11, 20983.	3.3	1
9	Hearing Features and Cochlear Implantation Outcomes in Patients With Pathogenic MYO15A Variants. <i>Ear and Hearing</i> , 2021, Publish Ahead of Print, .	2.1	1
10	Prediction Model for Audiological Outcomes in Patients With GJB2 Mutations. <i>Ear and Hearing</i> , 2020, 41, 143-149.	2.1	16
11	An integrative approach for pediatric auditory neuropathy spectrum disorders: revisiting etiologies and exploring the prognostic utility of auditory steady-state response. <i>Scientific Reports</i> , 2020, 10, 9816.	3.3	7
12	Endoscopic Resection of Middle-Ear Lymphatic Malformation in a Child. <i>Ear, Nose and Throat Journal</i> , 2020, 100, 014556132090847.	0.8	1
13	Can Nutritional Intervention for Obesity and Comorbidities Slow Down Age-Related Hearing Impairment?. <i>Nutrients</i> , 2019, 11, 1668.	4.1	11
14	Consumption of betel quid contributes to sensorineural hearing impairment through arecoline-induced oxidative stress. <i>Scientific Reports</i> , 2019, 9, 14554.	3.3	9
15	Genetic Epidemiology and Clinical Features of Hereditary Hearing Impairment in the Taiwanese Population. <i>Genes</i> , 2019, 10, 772.	2.4	31
16	Cerebral blood flow in a migraine patient with fluctuated sensorineural hearing loss. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 647-648.	1.7	1
17	Targeted Next-Generation Sequencing Facilitates Genetic Diagnosis and Provides Novel Pathogenetic Insights into Deafness with Enlarged Vestibular Aqueduct. <i>Journal of Molecular Diagnostics</i> , 2019, 21, 138-148.	2.8	9
18	Proposal for a New Diagnosis for Cochlear Migraine. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018, 144, 185.	2.2	26

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19	Extended bandwidth nonlinear frequency compression in Mandarin-speaking hearing-aid users. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 109-116.	1.7	7
20	Higher prevalence and increased severity of sleep-disordered breathing in male patients with chronic tinnitus: Our experience with 173 cases. <i>Clinical Otolaryngology</i> , 2018, 43, 722-725.	1.2	11
21	Timing of cochlear implantation in auditory neuropathy patients with <i>OTOF</i> mutations: Our experience with 10 patients. <i>Clinical Otolaryngology</i> , 2018, 43, 352-357.	1.2	20
22	Using endoscopy to locate the round window membrane during cochlear implantation: Our experience with 25 patients. <i>Clinical Otolaryngology</i> , 2018, 43, 357-362.	1.2	8
23	Incidence of Vestibular Schwannoma in Taiwan from 2001 to 2012: A Population-Based National Health Insurance Study. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2018, 127, 694-697.	1.1	31
24	Association of Tinnitus and Other Cochlear Disorders With a History of Migraines. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018, 144, 712.	2.2	57
25	Endoscopic versus microscopic management of congenital ossicular chain anomalies: our experiences with 29 patients. <i>Clinical Otolaryngology</i> , 2017, 42, 944-950.	1.2	11
26	Hormone replacement therapy for chronic tinnitus in menopausal women: Our experience with 13 cases. <i>Clinical Otolaryngology</i> , 2017, 42, 1366-1369.	1.2	11
27	A novel missense variant in the nuclear localization signal of <i>POU4F3</i> causes autosomal dominant non-syndromic hearing loss. <i>Scientific Reports</i> , 2017, 7, 7551.	3.3	18
28	Etiologic and Audiologic Characteristics of Patients With Pediatric-Onset Unilateral and Asymmetric Sensorineural Hearing Loss. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2017, 143, 912.	2.2	38
29	Effects of Tumor Necrosis Factor Blocker on Salicylate-Induced Tinnitus in Mice. <i>International Tinnitus Journal</i> , 2017, 21, 24-29.	0.2	10
30	Assessment of complications due to intratympanic injections. <i>World Journal of Otorhinolaryngology - Head and Neck Surgery</i> , 2016, 2, 13-16.	1.6	28
31	Identifying Children With Poor Cochlear Implantation Outcomes Using Massively Parallel Sequencing. <i>Medicine (United States)</i> , 2015, 94, e1073.	1.0	50
32	Contribution of adiponectin and its type 1 receptor to age-related hearing impairment. <i>Neurobiology of Aging</i> , 2015, 36, 2085-2093.	3.1	15
33	No association between plasma adiponectin levels and central auditory function in adults. <i>Metabolic Brain Disease</i> , 2015, 30, 191-196.	2.9	2
34	Behavior problems in children with cochlear implants. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2015, 79, 648-653.	1.0	23
35	Tracheal transection caused by clothesline injury. <i>Journal of the Formosan Medical Association</i> , 2014, 113, 573-574.	1.7	2
36	Audiovisual Speech Perception at Various Presentation Levels in Mandarin-Speaking Adults with Cochlear Implants. <i>PLoS ONE</i> , 2014, 9, e107252.	2.5	3

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37	The development of a non-surgical direct drive hearing device with a wireless actuator coupled to the tympanic membrane. <i>Applied Acoustics</i> , 2013, 74, 1511-1518.	3.3	8
38	Speech perception and communication ability over the telephone by Mandarin-speaking children with cochlear implants. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2013, 77, 1295-1302.	1.0	9
39	Academic achievements and classroom performance in Mandarin-speaking prelingually deafened school children with cochlear implants. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2013, 77, 1474-1480.	1.0	12
40	Modeling sound transmission of human middle ear and its clinical applications using finite element analysis. <i>Kaohsiung Journal of Medical Sciences</i> , 2013, 29, 133-139.	1.9	11
41	Mastoiditis. <i>New England Journal of Medicine</i> , 2013, 368, 2014-2014.	27.0	0
42	Diet-Induced Obesity Exacerbates Auditory Degeneration via Hypoxia, Inflammation, and Apoptosis Signaling Pathways in CD/1 Mice. <i>PLoS ONE</i> , 2013, 8, e60730.	2.5	50
43	Environmental Sounds Recognition in Children with Cochlear Implants. <i>PLoS ONE</i> , 2013, 8, e66100.	2.5	10
44	Development and Preliminary Verification of a Mandarin-Based Hearing-Aid Fitting Strategy. <i>PLoS ONE</i> , 2013, 8, e80831.	2.5	11
45	Timing of Surgical Intervention with Cochlear Implant in Patients with Large Vestibular Aqueduct Syndrome. <i>PLoS ONE</i> , 2013, 8, e81568.	2.5	18
46	Association of Cadherin23 Single Nucleotide Polymorphism with Age-Related Hearing Impairment in Han Chinese. <i>Otolaryngology - Head and Neck Surgery</i> , 2012, 147, 531-534.	1.9	9
47	Waist circumference is associated with pitch pattern sequence score in older male adults. <i>International Journal of Audiology</i> , 2012, 51, 920-925.	1.7	8
48	Plasma reactive oxygen species levels are correlated with severity of age-related hearing impairment in humans. <i>Neurobiology of Aging</i> , 2012, 33, 1920-1926.	3.1	32
49	Effects of tea drinking on auditory functions in aged subjects. <i>Journal of Nutrition, Health and Aging</i> , 2012, 16, 252-256.	3.3	9
50	Adiponectin beyond cardiometabolic disorders. <i>Journal of the Formosan Medical Association</i> , 2011, 110, 796-797.	1.7	3
51	Association of plasma adiponectin levels with hearing thresholds in adults. <i>Clinical Endocrinology</i> , 2011, 75, 614-620.	2.4	46
52	Expression of COX-2 and NMDA receptor genes at the cochlea and midbrain in salicylate-induced tinnitus. <i>Laryngoscope</i> , 2011, 121, 361-364.	2.0	37
53	Genetic characteristics in children with cochlear implants and the corresponding auditory performance. <i>Laryngoscope</i> , 2011, 121, 1287-1293.	2.0	42
54	The grainyhead-like 2 gene (<i>GRHL2</i>) single nucleotide polymorphism is not associated with age-related hearing impairment in Han Chinese. <i>Laryngoscope</i> , 2011, 121, 1303-1307.	2.0	23

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55	Association of Obstructive Sleep Apnea and Auditory Dysfunctions in Older Subjects. Otolaryngology - Head and Neck Surgery, 2011, 144, 114-119.	1.9	40
56	Long-Term Language Levels and Reading Skills in Mandarin-Speaking Prelingually Deaf Children with Cochlear Implants. Audiology and Neuro-Otology, 2011, 16, 359-380.	1.3	25
57	Registration of Micro-Computed Tomography and Histological Images of the Guinea Pig Cochlea to Construct an Ear Model Using an Iterative Closest Point Algorithm. Annals of Biomedical Engineering, 2010, 38, 1719-1727.	2.5	19
58	Developing a non-surgical direct drive hearing device with an opto-electromagnetic actuator attached to the tympanic membrane: Preliminary report. Hearing Research, 2010, 263, 249-250.	2.0	0
59	Using cluster analysis to classify audiogram shapes. International Journal of Audiology, 2010, 49, 628-633.	1.7	20
60	Diffusion Tensor Imaging of the Subcortical Auditory Tract in Subjects with Long-Term Unilateral Sensorineural Hearing Loss. Audiology and Neuro-Otology, 2009, 14, 248-253.	1.3	33
61	Association of Central Obesity With the Severity and Audiometric Configurations of Age-related Hearing Impairment. Obesity, 2009, 17, 1796-1801.	3.0	78
62	Facial nerve schwannoma. Otolaryngology - Head and Neck Surgery, 2009, 141, 146-147.	1.9	6
63	Brain activation in patients with idiopathic hyperacusis. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2009, 30, 432-434.	1.3	26
64	Hearing in Noise Test in Subjects With Conductive Hearing Loss. Journal of the Formosan Medical Association, 2009, 108, 937-942.	1.7	3
65	Computer Aided Modeling of Human Mastoid Cavity Biomechanics Using Finite Element Analysis. Eurasip Journal on Advances in Signal Processing, 2009, 2010, .	1.7	9
66	A novel opto-electromagnetic actuator coupled to the tympanic membrane. Journal of Biomechanics, 2008, 41, 3515-3518.	2.1	10
67	Measurement of hearing aid outcome in the elderly: Comparison between young and old elderly. Otolaryngology - Head and Neck Surgery, 2008, 138, 730-734.	1.9	22
68	Intellectual Ability of Mandarin-Speaking Children Using Cochlear Implants. Audiology and Neuro-Otology, 2008, 13, 302-308.	1.3	19
69	Diagnostic Value of Combining Bilateral Electrocochleography Results for Unilateral Ménière's Disease. Audiology and Neuro-Otology, 2008, 13, 365-369.	1.3	11
70	Facial Nerve Overlying Stapes Footplate as a Cause of Conductive Hearing Loss. Otology and Neurotology, 2008, 29, 1204.	1.3	3
71	Ageing Effects on the Activation of the Auditory Cortex during Binaural Speech Listening in White Noise: An fMRI Study. Audiology and Neuro-Otology, 2007, 12, 285-294.	1.3	49
72	THE OPTIMAL MAGNETIC FORCE FOR A NOVEL ACTUATOR COUPLED TO THE TYMPANIC MEMBRANE: A FINITE ELEMENT ANALYSIS. Biomedical Engineering - Applications, Basis and Communications, 2007, 19, 171-177.	0.6	3

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73	Brain activation in patients with congenital bilateral hearing impairment. <i>NeuroReport</i> , 2007, 18, 1483-1486.	1.2	0
74	Optimal Graft Thickness for Different Sizes of Tympanic Membrane Perforation in Cartilage Myringoplasty: A Finite Element Analysis. <i>Laryngoscope</i> , 2007, 117, 725-730.	2.0	52
75	Changes in activation of the auditory cortex following long-term amplification: an fMRI study. <i>Acta Oto-Laryngologica</i> , 2006, 126, 1275-1280.	0.9	13
76	Three-dimensional Reconstruction and Modeling of Middle Ear Biomechanics by High-resolution Computed Tomography and Finite Element Analysis. <i>Laryngoscope</i> , 2006, 116, 711-716.	2.0	50
77	The effects of masking on the activation of auditory-associated cortex during speech listening in white noise. <i>Acta Oto-Laryngologica</i> , 2006, 126, 916-920.	0.9	14
78	Biomechanical Modeling and Design Optimization of Cartilage Myringoplasty Using Finite Element Analysis. <i>Audiology and Neuro-Otology</i> , 2006, 11, 380-388.	1.3	19
79	COMPUTER AIDED THREE-DIMENSIONAL RECONSTRUCTION AND MODELING OF MIDDLE EAR BIOMECHANICS BY HIGH-RESOLUTION COMPUTED TOMOGRAPHY AND FINITE ELEMENT ANALYSIS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2006, 18, 214-221.	0.6	19
80	Hemispheric Difference in Activation Patterns of Human Auditory-Associated Cortex: An fMRI Study. <i>Orl</i> , 2005, 67, 242-246.	1.1	10
81	Involvement of nitric oxide generation in noise-induced temporary threshold shift in guinea pigs. <i>Hearing Research</i> , 2005, 203, 94-100.	2.0	29
82	Deep neck infection in diabetic patients: Comparison of clinical picture and outcomes with nondiabetic patients. <i>Otolaryngology - Head and Neck Surgery</i> , 2005, 132, 943-947.	1.9	112
83	Prognostic Factors of Sudden Sensorineural Hearing Loss in Diabetic Patients. <i>Diabetes Care</i> , 2004, 27, 2560-2561.	8.6	28
84	Effects of Alcohol and Noise on Temporary Threshold Shift in Guinea Pigs. <i>Orl</i> , 2004, 66, 124-129.	1.1	4
85	Mandarin Speech Perception in Nucleus CI 24 Implantees Using MAPs Based on Neural Response Telemetry. <i>Orl</i> , 2004, 66, 255-261.	1.1	3
86	Speech perception in Mandarin-speaking Nucleus 24 implantees using MAPs based on Neural Response Telemetry measurements. <i>Cochlear Implants International</i> , 2004, 5, 49-51.	1.2	0
87	Effects of limiting the number of active electrodes on mandarin tone perception in young children using cochlear implants. <i>Acta Oto-Laryngologica</i> , 2004, 124, 1149-1154.	0.9	22
88	Deep neck infection: Analysis of 185 cases. <i>Head and Neck</i> , 2004, 26, 854-860.	2.0	305
89	The effects of varying stimulation rate on behavioural T/C-level measurements in young Nucleus 24 recipients. <i>Cochlear Implants International</i> , 2004, 5, 52-53.	1.2	0
90	The short-term effects of reducing the number of active electrodes on Mandarin tone perception in young children using cochlear implants. <i>Cochlear Implants International</i> , 2004, 5, 181-183.	1.2	0

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91	Sphenopalatine Ganglion Block Before Removal of Nasal Packing. <i>Laryngoscope</i> , 2003, 113, 1423-1424.	2.0	30
92	Changes of Hair Cell Stereocilia and Threshold Shift after Acoustic Trauma in Guinea Pigs: Comparison between Inner and Outer Hair Cells. <i>Orl</i> , 2003, 65, 266-274.	1.1	19
93	Acute Effects of Alcohol on Auditory Thresholds and Distortion Product Otoacoustic Emissions in Humans. <i>Acta Oto-Laryngologica</i> , 2003, 123, 936-940.	0.9	11
94	Osteoma of the External Ear Canal. <i>Otology and Neurotology</i> , 2003, 24, 960.	1.3	9
95	Community-acquired Methicillin-resistant Staphylococcus Aureus Infections in Discharging Ears. <i>Acta Oto-Laryngologica</i> , 2002, 122, 827-830.	0.9	40
96	Sinonasal Adenocarcinoma: Clinical Study of Nine Cases in Taiwan. <i>Acta Oto-Laryngologica</i> , 2002, 122, 887-891.	0.9	8
97	Changes in bacteriology of discharging ears. <i>Journal of Laryngology and Otology</i> , 2002, 116, 686-689.	0.8	44
98	Probe-Tube Microphone Measures in Patients with Open-Mastoid Surgery: Real-Ear-to-Coupler Differences and Real-Ear Unaided Responses. <i>Audiology and Neuro-Otology</i> , 2000, 5, 59-63.	1.3	5
99	Tone Detection in Mandarin-speaking Hearing-impaired Subjects. <i>International Journal of Audiology</i> , 2000, 39, 106-109.	1.7	14
100	Aging and External Ear Resonance: Envejecimiento y la resonancia del conducto auditivo externo. <i>International Journal of Audiology</i> , 2000, 39, 235-237.	1.7	10
101	Loudness discomfort levels in patients with conductive and mixed hearing loss. <i>Auris Nasus Larynx</i> , 2000, 27, 101-104.	1.2	3
102	The effects of kainic acid on the vestibular ganglion cells. <i>Neuroscience Research Communications</i> , 1999, 24, 81-88.	0.2	2
103	Real-Ear to Coupler Difference in Patients with Ear Drum Perforation. <i>Orl</i> , 1999, 61, 345-349.	1.1	4
104	Effect of Acoustic Trauma on Cytochrome Oxidase Activity in Stria vascularis. <i>Orl</i> , 1998, 60, 314-317.	1.1	7
105	Ultrastructural Localization of Glutamate and Aspartate Immunoreactivities in Gerbil Inner Hair Cells. <i>Orl</i> , 1997, 59, 131-134.	1.1	1
106	Measurement of $[Ca^{2+}]_i$ and $[Na^{+}]_i$ in Outer Hair Cells Isolated from Gerbil Cochlea. <i>Orl</i> , 1997, 59, 322-325.	1.1	1
107	Dynamic change of intracellular free calcium and sodium in hair cells of isolated gerbil cochlea. <i>Neuroscience Research Communications</i> , 1997, 20, 49-57.	0.2	0