Takayuki Nakagawa

List of Publications by Year in descending order

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137 papers

3,734 citations

94433 37 h-index 55 g-index

140 all docs

 $\begin{array}{c} 140 \\ \\ \text{docs citations} \end{array}$

times ranked

140

2696 citing authors

#	Article	IF	Citations
1	Recent progress in endoscopic skull base surgery: Functional preservation and multiportal approaches. Auris Nasus Larynx, 2023, 50, 32-39.	1.2	8
2	Psychophysical assessments of olfaction after endoscopic unilateral resection with post-operative radiotherapy in olfactory neuroblastomas. Auris Nasus Larynx, 2022, 49, 1088-1092.	1.2	3
3	Effects of Surgical Treatment for Allergic Rhinitis on Sleep and Mental Health in Adolescents. Surgeries, 2022, 3, 20-27.	0.6	O
4	Neuroprotective role of insulin-like growth factor 1 in auditory and other nervous systems Histology and Histopathology, 2022, , 18437.	0.7	0
5	Endoscopic Endonasal Surgery of a Large Vidian Nerve Schwannoma With Preparation for Avoiding Major Vascular Injury. Cureus, 2021, 13, e14230.	0.5	1
6	Insulin-like growth factor 1 promotes the extension of Tracheal Epithelium in an in Vitro Tracheal organ culture model. Auris Nasus Larynx, 2021, 48, 441-450.	1.2	1
7	Angiomatous Nasal Polyp Diagnosed by Preoperative Imaging and Successfully Resected by Endonasal Endoscopic Surgery: A Case Report. Cureus, 2021, 13, e18786.	0.5	O
8	Bone Marrow Stromal Cells Accelerate Hearing Recovery via Regeneration or Maintenance of Cochlear Fibrocytes in Mouse Spiral Ligaments. Anatomical Record, 2020, 303, 478-486.	1.4	7
9	Long-term olfactory function outcomes after pituitary surgery by endoscopic endonasal transsphenoidal approach. Auris Nasus Larynx, 2020, 47, 227-232.	1.2	13
10	Initiation of Supporting Cell Activation for Hair Cell Regeneration in the Avian Auditory Epithelium: An Explant Culture Model. Frontiers in Cellular Neuroscience, 2020, 14, 583994.	3.7	18
11	Insulin-Like Growth Factor 1 on the Maintenance of Ribbon Synapses in Mouse Cochlear Explant Cultures. Frontiers in Cellular Neuroscience, 2020, 14, 571155.	3.7	13
12	Insulin-like growth factor 1: role in the auditory system and therapeutic potential in otology. Current Opinion in Otolaryngology and Head and Neck Surgery, 2020, 28, 286-290.	1.8	9
13	Endoscopic surgical anatomy of the auditory tube, foramen lacerum, and the surrounding structures. Journal of Japan Society for Head and Neck Surgery, 2020, 30, 147-150.	0.0	0
14	Endoscopic endonasal management of esthesioneuroblastoma: A retrospective multicenter study. Journal of Otolaryngology of Japan, 2019, 122, 79-80.	0.1	0
15	Insulin-like growth factor 1 promotes cochlear synapse regeneration after excitotoxic trauma inÂvitro. Hearing Research, 2019, 374, 5-12.	2.0	29
16	Optical coherence tomography for observation of the olfactory epithelium in mice. Auris Nasus Larynx, 2019, 46, 230-237.	1.2	3
17	The Present Status of Endoscopic Surgery for Sinonasal Tumors in Japan―A Nationwide Questionnaire Survey―. Journal of Otolaryngology of Japan, 2018, 121, 119-126.	0.1	0
18	Endoscopic endonasal management of esthesioneuroblastoma: A retrospective multicenter study. Auris Nasus Larynx, 2018, 45, 281-285.	1.2	27

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19	Hearing preservation at low frequencies by insulin-like growth factor 1 in a guinea pig model of cochlear implantation. Hearing Research, 2018, 368, 92-108.	2.0	22
20	Combined Transnasal and Transcranial Approach for Skull Base Tumors. Practica Otologica, 2018, 111, 530-531.	0.0	0
21	Role of TRPA1 in ischemia/reperfusion-induced painful dysesthesia and oxaliplatin-induced cold hypersensitivity. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY5-3.	0.0	0
22	Transplantation of neurons derived from human iPS cells cultured on collagen matrix into guinea-pig cochleae. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1766-1778.	2.7	34
23	Quantitative Analysis of Aquaporin Expression Levels during the Development and Maturation of the Inner Ear. JARO - Journal of the Association for Research in Otolaryngology, 2017, 18, 247-261.	1.8	9
24	Netrin 1 mediates protective effects exerted by insulin-like growth factor 1 on cochlear hair cells. Neuropharmacology, 2017, 119, 26-39.	4.1	23
25	Activation of IGF1 Signaling in the Cochlea Induces the Transcription of Its Mediators During the Protection of Cochlear Hair Cells Against Aminoglycoside. Otology and Neurotology, 2017, 38, 278-282.	1.3	12
26	Prognostic impact of salvage treatment on hearing recovery in patients with sudden sensorineural hearing loss refractory to systemic corticosteroids: A retrospective observational study. Journal of Otolaryngology of Japan, 2017, 120, 274-275.	0.1	0
27	Endoscopic endonasal approach for treatment of tumors in the nasal cavity and paranasal sinuses. Japanese Journal of Head and Neck Cancer, 2017, 43, 349-351.	0.1	1
28	A Case of Sinonasal Inverted Papilloma with Intracranial Extension after Multiple Recurrences. Practica Otologica, Supplement, 2017, 151, 40-41.	0.0	0
29	A Case of Sinonasal Inverted Papilloma with Intracranial Extension after Multiple Recurrences. Practica Otologica, 2017, 110, 335-340.	0.0	0
30	Regenerative therapy for vestibular disorders using human induced pluripotent stem cells (iPSCs): neural differentiation of human iPSC-derived neural stem cells after <i>in vitro </i> transplantation into mouse vestibular epithelia. Acta Oto-Laryngologica, 2016, 136, 999-1005.	0.9	5
31	Septin7 regulates inner ear formation at an early developmental stage. Developmental Biology, 2016, 419, 217-228.	2.0	7
32	Prognostic impact of salvage treatment on hearing recovery in patients with sudden sensorineural hearing loss refractory to systemic corticosteroids: A retrospective observational study. Auris Nasus Larynx, 2016, 43, 489-494.	1.2	27
33	An Endoscopic Endonasal Approach for Early-Stage Olfactory Neuroblastoma: An Evaluation of 2 Cases with Minireview of Literature. Case Reports in Otolaryngology, 2015, 2015, 1-7.	0.2	3
34	Olanzapine augments the effect of selective serotonin reuptake inhibitors by suppressing GABAergic inhibition via antagonism of 5-HT6 receptors in the dorsal raphe nucleus. Neuropharmacology, 2015, 95, 261-268.	4.1	17
35	Limited hair cell induction from human induced pluripotent stem cells using a simple stepwise method. Neuroscience Letters, 2015, 599, 49-54.	2.1	55
36	Involvement of TRPM2 in a wide range of inflammatory and neuropathic pain mouse models. Journal of Pharmacological Sciences, 2015, 127, 237-243.	2.5	31

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37	Efficacy of three-dimensional endoscopy in endonasal surgery. Auris Nasus Larynx, 2015, 42, 203-207.	1.2	42
38	Sphenoid esthesioneuroblastoma arising from the hindmost olfactory filament. Auris Nasus Larynx, 2015, 42, 170-172.	1.2	5
39	Inhibition of histone deacetylases enhances the function of serotoninergic neurons in organotypic raphe slice cultures. Neuroscience Letters, 2015, 593, 72-77.	2.1	7
40	Insulin-like growth factor 1: A novel treatment for the protection or regeneration of cochlear hair cells. Hearing Research, 2015, 330, 2-9.	2.0	48
41	A pathophysiological role of TRPV1 in ischemic injury after transient focal cerebral ischemia in mice. Biochemical and Biophysical Research Communications, 2015, 467, 478-483.	2.1	29
42	Development of an electrode for the artificial cochlear sensory epithelium. Hearing Research, 2015, 330, 106-112.	2.0	7
43	A randomized controlled clinical trial of topical insulin-like growth factor-1 therapy for sudden deafness refractory to systemic corticosteroid treatment. BMC Medicine, 2014, 12, 219.	5.5	78
44	Effects of mouse utricle stromal tissues on hair cell induction from induced pluripotent stem cells. BMC Neuroscience, 2014, 15, 121.	1.9	11
45	Growth factor-eluting cochlear implant electrode: impact on residual auditory function, insertional trauma, and fibrosis. Journal of Translational Medicine, 2014, 12, 280.	4.4	44
46	Strategies for developing novel therapeutics for sensorineural hearing loss. Frontiers in Pharmacology, 2014, 5, 206.	3.5	18
47	Application of insulin-like growth factor-1 in the treatment of inner ear disorders. Frontiers in Pharmacology, 2014, 5, 208.	3.5	38
48	Insulin-like growth factor 1 induces the transcription of Gap43 and Ntn1 during hair cell protection in the neonatal murine cochlea. Neuroscience Letters, 2014, 560, 7-11.	2.1	32
49	Hydrogen protects auditory hair cells from cisplatin-induced free radicals. Neuroscience Letters, 2014, 579, 125-129.	2.1	22
50	Therapeutic potential of a gamma-secretase inhibitor for hearing restoration in a guinea pig model with noise-induced hearing loss. BMC Neuroscience, 2014, 15, 66.	1.9	47
51	In Vivo Imaging of Mouse Cochlea by Optical Coherence Tomography. Otology and Neurotology, 2014, 35, e84-e89.	1.3	20
52	Dedifferentiation-Mediated Regeneration. , 2014, , 209-214.		0
53	Synaptic Contacts Between Hair Cells and Primary Neurons. , 2014, , 61-66.		O
54	Self-Repair. , 2014, , 189-197.		0

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55	Afferent Dendrite and Axon. , 2014, , 273-277.		O
56	Insulin-like growth factor 1 inhibits hair cell apoptosis and promotes the cell cycle of supporting cells by activating different downstream cascades after pharmacological hair cell injury in neonatal mice. Molecular and Cellular Neurosciences, 2013, 56, 29-38.	2.2	72
57	Prostaglandin E receptor subtype EP4 agonist serves better to protect cochlea than prostaglandin E1. Auris Nasus Larynx, 2013, 40, 539-542.	1.2	3
58	Virus-induced expression of retinoic acid inducible gene-I and melanoma differentiation-associated gene 5 in the cochlear sensory epithelium. Microbes and Infection, 2013, 15, 592-598.	1.9	10
59	Systemic Steroid Application Caused Sudden Death of a Patient with Sudden Deafness. Case Reports in Otolaryngology, 2013, 2013, 1-2.	0.2	7
60	Electrically Evoked Auditory Brainstem Response by Using Bionic Auditory Membrane in Guinea Pigs. Journal of Biomechanical Science and Engineering, 2013, 8, 198-208.	0.3	10
61	Olfactory Ensheathing Cell Tumor Arising from the Olfactory Mucosa. Case Reports in Medicine, 2012, 2012, 1-5.	0.7	14
62	Audiometric Outcomes of Topical IGF1 Treatment for Sudden Deafness Refractory to Systemic Steroids. Otology and Neurotology, 2012, 33, 941-946.	1.3	26
63	Role of PGE-type receptor 4 in auditory function and noise-induced hearing loss in mice. Neuropharmacology, 2012, 62, 1841-1847.	4.1	9
64	Fates of Murine Pluripotent Stem Cell-Derived Neural Progenitors following Transplantation into Mouse Cochleae. Cell Transplantation, 2012, 21, 763-771.	2.5	56
65	An endoscopic endonasal surgery training model using quail eggs. Laryngoscope, 2012, 122, 2154-2157.	2.0	8
66	Endoscopic Endonasal Resection of Olfactory Neuroblastomas: Our Experience. Nihon Bika Gakkai Kaishi (Japanese Journal of Rhinology), 2012, 51, 474-480.	0.0	0
67	Roles of prostaglandin E2 in the cochlea. Hearing Research, 2011, 276, 27-33.	2.0	16
68	Local drug delivery to the inner ear using biodegradable materials. Therapeutic Delivery, 2011, 2, 807-814.	2.2	22
69	Adipose tissueâ€derived stromal cells protect hair cells from aminoglycoside. Laryngoscope, 2011, 121, 1281-1286.	2.0	11
70	Piezoelectric materials mimic the function of the cochlear sensory epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18390-18395.	7.1	121
71	Sustained delivery of lidocaine into the cochlea using poly lactic/glycolic acid microparticles. Laryngoscope, 2010, 120, 377-383.	2.0	46
72	Culturing Neurons on MEMS Fabricated P(VDF-TrFE) Films for Implantable Artificial Cochlea. Journal of Biomechanical Science and Engineering, 2010, 5, 229-235.	0.3	18

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73	Role of prostaglandin E receptor subtypes EP2 and EP4 in autocrine and paracrine functions of vascular endothelial growth factor in the inner ear. BMC Neuroscience, 2010, 11, 35.	1.9	17
74	Topical insulin-like growth factor 1 treatment using gelatin hydrogels for glucocorticoid-resistant sudden sensorineural hearing loss: a prospective clinical trial. BMC Medicine, 2010, 8, 76.	5.5	96
75	Transplantation of bone marrowâ€derived neurospheres into guinea pig cochlea. Laryngoscope, 2010, 120, 576-581.	2.0	11
76	Development of piezoelectric acoustic sensor with frequency selectivity for artificial cochlea. Sensors and Actuators A: Physical, 2010, 158, 183-192.	4.1	103
77	Stealth-nanoparticle strategy for enhancing the efficacy of steroids in mice with noise-induced hearing loss. Nanomedicine, 2010, 5, 1331-1340.	3.3	30
78	Inner ear drug delivery system from the clinical point of view. Acta Oto-Laryngologica, 2010, 130, 101-104.	0.9	14
79	The need for intranasal packing in endoscopic endonasal surgery. Acta Oto-Laryngologica, 2010, 130, 39-42.	0.9	7
80	Hydrogen protects vestibular hair cells from free radicals. Acta Oto-Laryngologica, 2010, 130, 95-100.	0.9	49
81	Distribution of bone marrow-derived cells in the vestibular end organs and the endolymphatic sac. Acta Oto-Laryngologica, 2010, 130, 88-94.	0.9	18
82	0824 Analysis of Vibrating Amplitude and Electric Signal on MEMS Device of Artificial Cochlea. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2010, 2009.22, 319.	0.0	0
83	Surgical Invasiveness of Cell Transplantation into the Guinea Pig Cochlear Modiolus. Orl, 2009, 71, 32-39.	1.1	18
84	Local application of hepatocyte growth factor using gelatin hydrogels attenuates noise-induced hearing loss in guinea pigs. Acta Oto-Laryngologica, 2009, 129, 453-457.	0.9	43
85	Nasal chondromesenchymal hamartoma in an adolescent. International Journal of Pediatric Otorhinolaryngology Extra, 2009, 4, 111-113.	0.1	6
86	Hepatocyte growth factor protects auditory hair cells from aminoglycosides. Laryngoscope, 2009, 119, 2027-2031.	2.0	16
87	A Mouse Model for Degeneration of the Spiral Ligament. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 161-172.	1.8	19
88	Efficiency of a transtympanic approach to the round window membrane using a microendoscope. European Archives of Oto-Rhino-Laryngology, 2009, 266, 367-371.	1.6	10
89	Silencing p27 reverses post-mitotic state of supporting cells in neonatal mouse cochleae. Molecular and Cellular Neurosciences, 2009, 42, 391-398.	2.2	38
90	Hydrogen protects auditory hair cells from free radicals. NeuroReport, 2009, 20, 689-694.	1.2	43

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91	Transplantation of mouse induced pluripotent stem cells into the cochlea. NeuroReport, 2009, 20, 1250-1254.	1.2	96
92	MCH-09 MICROFABRICATED ACOUSTIC SENSOR WITH FREQUENCY SELECTIVITY AND ELECTRIC SIGNAL CONVERSION FOR NOVEL ARTIFICIAL COCHLEAR SYSTEM (Micro/Nanomechatronics III, Technical Program) Tj ETC	2q8 <u>,8</u> 0 rg	BT/Overlock
	Information and Precision Equipment IIP/ISPS Joint MIPE, 2009, 2009, 341-342.		
93	Bone marrowâ€derived cells expressing lba1 are constitutively present as resident tissue macrophages in the mouse cochlea. Journal of Neuroscience Research, 2008, 86, 1758-1767.	2.9	132
94	Potential of embryonic stem cellâ€derived neurons for synapse formation with auditory hair cells. Journal of Neuroscience Research, 2008, 86, 3075-3085.	2.9	39
95	Local Drug Delivery to Inner Ear for Treatment of Hearing Loss. Current Drug Therapy, 2008, 3, 143-147.	0.3	3
96	Insulin-like growth factor 1 treatment via hydrogels rescues cochlear hair cells from ischemic injury. NeuroReport, 2008, 19, 1585-1588.	1.2	56
97	Endoscopic modified Lothrop procedure for postoperative frontal mucocele. Acta Oto-Laryngologica, 2007, 127, 51-54.	0.9	8
98	Effects of bone morphogenetic protein 4 on differentiation of embryonic stem cells into myosin VIIa-positive cells. Acta Oto-Laryngologica, 2007, 127, 36-40.	0.9	7
99	Cholesterol granuloma of the posterior ethomoid sinus mimicking meningocele. Acta Oto-Laryngologica, 2007, 127, 47-50.	0.9	7
100	Drug delivery systems for the treatment of sensorineural hearing loss. Acta Oto-Laryngologica, 2007, 127, 30-35.	0.9	14
101	Pharmacological inhibition of Notch signaling in the mature guinea pig cochlea. NeuroReport, 2007, 18, 1911-1914.	1.2	82
102	Novel Therapy for Hearing Loss. Otology and Neurotology, 2007, 28, 976-981.	1.3	99
103	The potential use of bone marrow stromal cells for cochlear cell therapy. NeuroReport, 2007, 18, 351-354.	1.2	39
104	Cochlear Protection by Local Insulin-Like Growth Factor-1 Application Using Biodegradable Hydrogel. Laryngoscope, 2006, 116, 529-533.	2.0	114
105	Age-Dependent Degeneration of the Stria Vascularis in Human Cochleae. Laryngoscope, 2006, 116, 1846-1850.	2.0	39
106	Cell–Gene Delivery of Brain-Derived Neurotrophic Factor to the Mouse Inner Ear. Molecular Therapy, 2006, 14, 866-871.	8.2	37
107	Engraftment of embryonic stem cell-derived neurons into the cochlear modiolus. NeuroReport, 2005, 16, 1919-1922.	1.2	70
108	Innervation of stem cell-derived neurons into auditory epithelia of mice. NeuroReport, 2005, 16, 787-790.	1.2	29

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109	Serofendic acid promotes survival of auditory hair cells and neurons of mice. NeuroReport, 2005, 16, 689-692.	1.2	6
110	Drug Delivery to the Cochlea Using PLGA Nanoparticles. Laryngoscope, 2005, 115, 2000-2005.	2.0	109
111	Novel Strategy for Treatment of Inner Ears using a Biodegradable Gel. Laryngoscope, 2005, 115, 2016-2020.	2.0	102
112	Neural connections between embryonic stem cell-derived neurons and vestibular hair cells in vitro. Brain Research, 2005, 1057, 127-133.	2.2	10
113	Elevation of superoxide dismutase increases acoustic trauma from noise exposure. Free Radical Biology and Medicine, 2005, 38, 492-498.	2.9	27
114	Aging Effects on Vestibulo-Ocular Responses in C57BL/6 Mice: Comparison with Alteration in Auditory Function. Audiology and Neuro-Otology, 2005, 10, 97-104.	1.3	46
115	Disruption and restoration of cell–cell junctions in mouse vestibular epithelia following aminoglycoside treatment. Hearing Research, 2005, 205, 201-209.	2.0	12
116	Mechanisms of Apoptosis Induced by Cisplatin in Marginal Cells in Mouse Stria Vascularis. Orl, 2004, 66, 111-118.	1.1	50
117	Induction of cell proliferation and \hat{l}^2 -Catenin expression in Rat utricles (i) in vitro (i). Acta Oto-Laryngologica, 2004, 124, 22-25.	0.9	6
118	Signaling pathway for apoptosis of vestibular hair cells of Mice due to aminoglycosides. Acta Oto-Laryngologica, 2004, 124, 69-74.	0.9	39
119	Application of cell therapy to inner ear diseases. Acta Oto-Laryngologica, 2004, 124, 6-9.	0.9	8
120	Expression of \hat{I}^2 -Catenin in developing auditory epithelia of Mice. Acta Oto-Laryngologica, 2004, 124, 18-21.	0.9	3
121	Transplantation of neural stem cells into the modiolus of Mouse cochleae injured by cisplatin. Acta Oto-Laryngologica, 2004, 124, 65-68.	0.9	48
122	Role of reactive radicals in degeneration of the auditory system of mice following cisplatin treatment. Acta Oto-Laryngologica, 2004, 124, 1131-1135.	0.9	78
123	Transplantation of bone marrow stromal cells into the cochlea of chinchillas. NeuroReport, 2004, 15, 1-4.	1.2	99
124	Transplantation of neural stem cells into the inner ear. Ensho Saisei, 2004, 24, 562-566.	0.2	0
125	Surgical techniques for cell transplantation into the Mouse cochlea. Acta Oto-Laryngologica, 2004, 124, 43-47.	0.9	20
126	A Novel Model for Rapid Induction of Apoptosis in Spiral Ganglions of Mice. Laryngoscope, 2003, 113, 994-999.	2.0	51

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127	A novel technique for inducing local inner ear damage. Hearing Research, 2003, 176, 122-127.	2.0	45
128	Trophic support of mouse inner ear by neural stem cell transplantation. NeuroReport, 2003, 14, 77-80.	1.2	95
129	Role of the F-box protein Skp2 in cell proliferation in the developing auditory system in mice. NeuroReport, 2003, 14, 759-761.	1.2	17
130	Fate of neural stem cells grafted into injured inner ears of mice. NeuroReport, 2003, 14, 1677-1681.	1.2	96
131	Staged endoscopic operation for large pituitary adenomas. Journal of Laryngology and Otology, 2002, 116, 57-60.	0.8	3
132	Alteration of E-cadherin and \hat{i}^2 -catenin in mouse vestibular epithelia during induction of apoptosis. Neuroscience Letters, 2002, 329, 173-176.	2.1	17
133	Alteration in expression of p27 in auditory epithelia and neurons of mice during degeneration. Neuroscience Letters, 2002, 334, 173-176.	2.1	12
134	Vestibular Compensation after Unilateral Labyrinthectomy in Mice Equilibrium Research, 2002, 61, 40-44.	0.1	0
135	Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy. Laryngoscope, 2001, 111, 2077-2081.	2.0	9
136	Cytochrome c redistribution in apoptosis of guinea pig vestibular hair cells. Brain Research, 1999, 847, 357-359.	2.2	22
137	<i>In vivo</i> Regeneration of Vestibular Hair Cells of Guinea Pig. Acta Oto-Laryngologica, 1995, 115, 174-177.	0.9	20