

# Tsutomu Nakashima

## List of Publications by Year in descending order

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110  
papers

4,915  
citations

81900

39  
h-index

102487

66  
g-index

110  
all docs

110  
docs citations

110  
times ranked

1770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization of Endolymphatic Hydrops in Patients With Meniere's Disease. <i>Laryngoscope</i> , 2007, 117, 415-420.	2.0	497
2	Grading of endolymphatic hydrops using magnetic resonance imaging. <i>Acta Oto-Laryngologica</i> , 2009, 129, 5-8.	0.9	300
3	Disorders of cochlear blood flow. <i>Brain Research Reviews</i> , 2003, 43, 17-28.	9.0	207
4	Visualization of Endolymphatic Hydrops in Ménière's Disease with Single-dose Intravenous Gadolinium-based Contrast Media using Heavily T2-weighted 3D-FLAIR. <i>Magnetic Resonance in Medical Sciences</i> , 2010, 9, 237-242.	2.0	153
5	Separate visualization of endolymphatic space, perilymphatic space and bone by a single pulse sequence; 3D-inversion recovery imaging utilizing real reconstruction after intratympanic Gd-DTPA administration at 3 Tesla. <i>European Radiology</i> , 2008, 18, 920-924.	4.5	133
6	Visualization of endolymphatic hydrops with MR imaging in patients with Ménière's disease and related pathologies: current status of its methods and clinical significance. <i>Japanese Journal of Radiology</i> , 2014, 32, 191-204.	2.4	127
7	Three-dimensional Fluid-attenuated Inversion Recovery Magnetic Resonance Imaging Findings and Prognosis in Sudden Sensorineural Hearing Loss. <i>Laryngoscope</i> , 2008, 118, 1433-1437.	2.0	124
8	Endolymphatic hydrops and blood-labyrinth barrier in Ménière's disease. <i>Acta Oto-Laryngologica</i> , 2011, 131, 474-479.	0.9	114
9	Imaging of Ménière's Disease after Intravenous Administration of Single-dose Gadodiamide: Utility of Subtraction Images with Different Inversion Time. <i>Magnetic Resonance in Medical Sciences</i> , 2012, 11, 213-219.	2.0	108
10	Three-dimensional Fluid-attenuated Inversion Recovery Magnetic Resonance Imaging Findings in Patients with Sudden Sensorineural Hearing Loss. <i>Laryngoscope</i> , 2006, 116, 1451-1454.	2.0	96
11	Endolymphatic hydrops revealed by intravenous gadolinium injection in patients with Ménière's disease. <i>Acta Oto-Laryngologica</i> , 2010, 130, 338-343.	0.9	95
12	Individual Differences in the Permeability of the Round Window. <i>Otology and Neurotology</i> , 2009, 30, 645-648.	1.3	94
13	Imaging of Endolymphatic and Perilymphatic Fluid at 3T After Intratympanic Administration of Gadolinium-Diethylene-Triamine Pentaacetic Acid. <i>American Journal of Neuroradiology</i> , 2008, 29, 724-726.	2.4	89
14	Increased Sensitivity to Low Concentration Gadolinium Contrast by Optimized Heavily T2-weighted 3D-FLAIR to Visualize Endolymphatic Space. <i>Magnetic Resonance in Medical Sciences</i> , 2010, 9, 73-80.	2.0	82
15	Relationship between endolymphatic hydrops and vestibular-evoked myogenic potential. <i>Acta Oto-Laryngologica</i> , 2010, 130, 917-923.	0.9	78
16	Magnetic Resonance Imaging of the Inner Ear in Meniere's Disease. <i>Otolaryngologic Clinics of North America</i> , 2010, 43, 1059-1080.	1.1	77
17	Relationship between the Degree of Endolymphatic Hydrops and Electrocochleography. <i>Audiology and Neuro-Otology</i> , 2010, 15, 254-260.	1.3	75
18	Idiopathic sudden sensorineural hearing loss in Japan. <i>Acta Oto-Laryngologica</i> , 2014, 134, 1158-1163.	0.9	71

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19	Endolymphatic Hydrops Revealed by Magnetic Resonance Imaging in Patients With Acute Low-Tone Sensorineural Hearing Loss. <i>Otology and Neurotology</i> , 2013, 34, 1241-1246.	1.3	68
20	Endolymphatic space size in patients with vestibular migraine and Ménière's disease. <i>Journal of Neurology</i> , 2014, 261, 2079-2084.	3.6	65
21	Comparison of Contrast Effect on the Cochlear Perilymph after Intratympanic and Intravenous Gadolinium Injection. <i>American Journal of Neuroradiology</i> , 2012, 33, 773-778.	2.4	63
22	Endolymphatic hydrops in superior canal dehiscence and large vestibular aqueduct syndromes. <i>Laryngoscope</i> , 2016, 126, 1446-1450.	2.0	59
23	Visualization of Endolymphatic Hydrops in Ménière's Disease after Single-dose Intravenous Gadolinium-based Contrast Medium: Timing of Optimal Enhancement. <i>Magnetic Resonance in Medical Sciences</i> , 2012, 11, 43-51.	2.0	58
24	Endolymphatic hydrops revealed by magnetic resonance imaging in patients with atypical Meniere's disease. <i>Acta Oto-Laryngologica</i> , 2013, 133, 123-129.	0.9	58
25	Imaging of Endolymphatic and Perilymphatic Fluid after Intravenous Administration of Single-dose Gadodiamide. <i>Magnetic Resonance in Medical Sciences</i> , 2012, 11, 145-150.	2.0	56
26	Imaging of the endolymphatic space in patients with Ménière's disease. <i>Auris Nasus Larynx</i> , 2018, 45, 33-38.	1.2	55
27	MR Imaging of the Cochlear Modiolus: Area Measurement in Healthy Subjects and in Patients with a Large Endolymphatic Duct and Sac. <i>Radiology</i> , 1999, 213, 819-823.	7.3	53
28	3 Tesla magnetic resonance imaging obtained 4 hours after intravenous gadolinium injection in patients with sudden deafness. <i>Acta Oto-Laryngologica</i> , 2010, 130, 665-669.	0.9	53
29	Clinical significance of endolymphatic imaging after intratympanic gadolinium injection. <i>Acta Oto-Laryngologica</i> , 2009, 129, 9-14.	0.9	51
30	Imaging Endolymphatic Hydrops at 3 Tesla Using 3D-FLAIR with Intratympanic Gd-DTPA Administration. <i>Magnetic Resonance in Medical Sciences</i> , 2008, 7, 85-91.	2.0	50
31	Increased signal intensity of the cochlea on pre- and post-contrast enhanced 3D-FLAIR in patients with vestibular schwannoma. <i>Neuroradiology</i> , 2009, 51, 855-863.	2.2	50
32	Association Between Endolymphatic Hydrops as Revealed by Magnetic Resonance Imaging and Caloric Response. <i>Otology and Neurotology</i> , 2011, 32, 1480-1485.	1.3	47
33	Imaging of Ménière's Disease after Intravenous Administration of Single-dose Gadodiamide: Utility of Multiplication of MR Cisternography and HYDROPS Image. <i>Magnetic Resonance in Medical Sciences</i> , 2013, 12, 63-68.	2.0	47
34	Tympanometric Findings in Patients With Enlarged Vestibular Aqueducts. <i>Laryngoscope</i> , 2002, 112, 1642-1646.	2.0	44
35	Endolymphatic hydrops revealed by intravenous gadolinium injection in patients with Meniere's disease. <i>Acta Oto-Laryngologica</i> , 2010, 130, 1-6.	0.9	44
36	Inner Ear Hemorrhage in Systemic Lupus Erythematosus. <i>Laryngoscope</i> , 2006, 116, 826-828.	2.0	43

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37	Endolymphatic hydrops in patients with vestibular schwannoma: visualization by non-contrast-enhanced 3D FLAIR. <i>Neuroradiology</i> , 2011, 53, 1009-1015.	2.2	43
38	MR imaging of the inner ear: comparison of a three-dimensional fast spin-echo sequence with use of a dedicated quadrature-surface coil with a gadolinium-enhanced spoiled gradient-recalled sequence.. <i>Radiology</i> , 1998, 208, 679-685.	7.3	42
39	Image evaluation of endolymphatic space in fluctuating hearing loss without vertigo. <i>European Archives of Oto-Rhino-Laryngology</i> , 2009, 266, 1871-1877.	1.6	41
40	Phenotypes associated with replacement of His by Arg in the Pendred syndrome gene. <i>European Journal of Endocrinology</i> , 2001, 145, 697-703.	3.7	40
41	Cutting edge of inner ear MRI. <i>Acta Oto-Laryngologica</i> , 2009, 129, 15-21.	0.9	40
42	A perspective from magnetic resonance imaging findings of the inner ear: Relationships among cerebrospinal, ocular and inner ear fluids. <i>Auris Nasus Larynx</i> , 2012, 39, 345-355.	1.2	40
43	Three-Dimensional Fluid-Attenuated Inversion Recovery Magnetic Resonance Imaging Investigation of Inner Ear Disturbances in Cases of Middle Ear Cholesteatoma With Labyrinthine Fistula. <i>Otology and Neurotology</i> , 2007, 28, 1029-1033.	1.3	39
44	Endolymphatic hydrops in patients with unilateral and bilateral Meniere's disease. <i>Acta Oto-Laryngologica</i> , 2017, 137, 23-28.	0.9	37
45	Three-dimensional (3D) visualization of endolymphatic hydrops after intratympanic injection of Gd-DTPA: Optimization of a 3D real inversion recovery turbo spin-echo (TSE) sequence and application of a 32-channel head coil at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 210-214.	3.4	36
46	Endolymphatic space imaging in patients with delayed endolymphatic hydrops. <i>Acta Oto-Laryngologica</i> , 2009, 129, 1169-1174.	0.9	33
47	Imaging of Ménière's Disease by Subtraction of MR Cisternography from Positive Perilymph Image. <i>Magnetic Resonance in Medical Sciences</i> , 2012, 11, 303-309.	2.0	33
48	3D-FLAIR magnetic resonance imaging in the evaluation of mumps deafness. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2006, 70, 2115-2117.	1.0	32
49	Imaging analysis in cases with inflammation-induced sensorineural hearing loss. <i>Acta Oto-Laryngologica</i> , 2009, 129, 239-243.	0.9	32
50	Contrast enhancement of the inner ear in magnetic resonance images taken at 10 minutes or 4 hours after intravenous gadolinium injection. <i>Acta Oto-Laryngologica</i> , 2012, 132, 241-246.	0.9	32
51	Magnetic resonance imaging of the inner ear after both intratympanic and intravenous gadolinium injections. <i>Acta Oto-Laryngologica</i> , 2013, 133, 434-438.	0.9	32
52	Anatomical Details of the Brainstem and Cranial Nerves Visualized by High Resolution Readout-segmented Multi-shot Echo-planar Diffusion-weighted Images using Unidirectional MPG at 3T. <i>Magnetic Resonance in Medical Sciences</i> , 2011, 10, 269-275.	2.0	31
53	Peak Width in Multifrequency Tympanometry and Endolymphatic Hydrops Revealed by Magnetic Resonance Imaging. <i>Otology and Neurotology</i> , 2012, 33, 912-915.	1.3	31
54	MR Imaging of Ménière's Disease after Combined Intratympanic and Intravenous Injection of Gadolinium using HYDROPS2. <i>Magnetic Resonance in Medical Sciences</i> , 2014, 13, 133-137.	2.0	31

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55	Contrast-enhanced MR imaging of the endolymphatic sac in patients with sudden hearing loss. <i>European Radiology</i> , 2002, 12, 1121-1126.	4.5	30
56	Contrast Enhancement of the Anterior Eye Segment and Subarachnoid Space: Detection in the Normal State by Heavily T2-weighted 3D FLAIR. <i>Magnetic Resonance in Medical Sciences</i> , 2011, 10, 193-199.	2.0	29
57	Gadolinium distribution in cochlear perilymph: differences between intratympanic and intravenous gadolinium injection. <i>Neuroradiology</i> , 2012, 54, 1161-1169.	2.2	28
58	Communication between cochlear perilymph and cerebrospinal fluid through the cochlear modiolus visualized after intratympanic administration of Gd-DTPA. <i>Radiation Medicine</i> , 2008, 26, 597-602.	0.8	27
59	Magnetic Resonance Imaging Evaluation of Endolymphatic Hydrops in Cases With Otosclerosis. <i>Otology and Neurotology</i> , 2015, 36, 1146-1150.	1.3	27
60	Changes in endolymphatic hydrops in patients with Ménière's disease treated conservatively for more than 1 year. <i>Acta Oto-Laryngologica</i> , 2015, 135, 866-870.	0.9	25
61	3D-FLAIR MRI findings in a patient with Ramsay Hunt syndrome. <i>Acta Oto-Laryngologica</i> , 2007, 127, 547-549.	0.9	24
62	Detection of Presumed Hemorrhage in the Ampullar Endolymph of the Semicircular Canal: A Case Report. <i>Magnetic Resonance in Medical Sciences</i> , 2009, 8, 187-191.	2.0	24
63	3D-FLAIR MRI in facial nerve paralysis with and without audio-vestibular disorder. <i>Acta Oto-Laryngologica</i> , 2010, 130, 632-636.	0.9	23
64	Sudden Sensorineural Hearing Loss Associated with Inner Ear Anomaly. <i>Otology and Neurotology</i> , 2005, 26, 241-246.	1.3	22
65	Effects of anterior inferior cerebellar artery occlusion on cochlear blood flow – a comparison between laser-Doppler and microsphere methods. <i>Hearing Research</i> , 2001, 162, 85-90.	2.0	21
66	Three-dimensional fluid-attenuated inversion recovery magnetic resonance imaging findings in a patient with cochlear otosclerosis. <i>Auris Nasus Larynx</i> , 2008, 35, 269-272.	1.2	21
67	Changes in endolymphatic hydrops in a patient with Meniere's disease observed using magnetic resonance imaging. <i>Auris Nasus Larynx</i> , 2010, 37, 220-222.	1.2	21
68	Accuracy of 3.0 Tesla magnetic resonance imaging in the diagnosis of intracochlear schwannoma. <i>Auris Nasus Larynx</i> , 2011, 38, 551-554.	1.2	21
69	Cochlear blood flow during occlusion and reperfusion of the anterior inferior cerebellar artery – effect of topical application of dexamethasone to the round window. <i>Acta Oto-Laryngologica</i> , 2009, 129, 127-131.	0.9	20
70	18F-FDG-PET/CT predicts survival in hypopharyngeal squamous cell carcinoma. <i>Annals of Nuclear Medicine</i> , 2013, 27, 297-302.	2.2	20
71	Endolymphatic hydrops in patients with tinnitus as the major symptom. <i>European Archives of Oto-Rhino-Laryngology</i> , 2013, 270, 3043-3048.	1.6	19
72	Influence of dietary iodine deficiency on the thyroid gland in Slc26a4-null mutant mice. <i>Thyroid Research</i> , 2011, 4, 10.	1.5	18

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73	Contrast enhancement of the inner ear after intravenous administration of a standard or double dose of gadolinium contrast agents. <i>Acta Oto-Laryngologica</i> , 2011, 131, 1025-1031.	0.9	18
74	Comparison of computed tomography and magnetic resonance imaging for evaluation of cholesteatoma with labyrinthine fistulae. <i>Laryngoscope</i> , 2012, 122, 1121-1125.	2.0	18
75	Contrast-enhanced MRI of the inner ear after intratympanic injection of meglumine gadopentetate or gadodiamide hydrate. <i>Acta Oto-Laryngologica</i> , 2011, 131, 130-135.	0.9	17
76	Visualization of Endolymphatic Hydrops after Intratympanic Injection of Gd-DTPA: Comparison of 2D and 3D Real Inversion Recovery Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2011, 10, 101-106.	2.0	17
77	Blood flow to the promontory in cochlear otosclerosis. <i>Clinical Otolaryngology</i> , 2006, 31, 110-115.	0.0	16
78	Simultaneous Three-dimensional Visualization of the Intra-parotid Facial Nerve and Parotid Duct using a Three-dimensional Reversed FISP Sequence with Diffusion Weighting. <i>Magnetic Resonance in Medical Sciences</i> , 2010, 9, 153-158.	2.0	16
79	Lateral Semicircular Canal and Vertigo in Patients With Large Vestibular Aqueduct Syndrome. <i>Otology and Neurotology</i> , 2006, 27, 788-792.	1.3	15
80	Audiological signs in pediatric cases with dehiscence of the bony labyrinth caused by a high jugular bulb. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2012, 76, 447-451.	1.0	15
81	Numerical Assessment of Cholesteatoma by Signal Intensity on Non-EP-DWI and ADC Maps. <i>Otology and Neurotology</i> , 2014, 35, 1007-1010.	1.3	15
82	Magnetic resonance imaging evaluation of endolymphatic hydrops and post-operative findings in cases with otosclerosis. <i>Acta Oto-Laryngologica</i> , 2017, 137, 242-245.	0.9	15
83	Prompt Contrast Enhancement of Cerebrospinal Fluid Space in the Fundus of the Internal Auditory Canal: Observations in Patients with Meningeal Diseases on 3D-FLAIR Images at 3 Tesla. <i>Magnetic Resonance in Medical Sciences</i> , 2006, 5, 151-155.	2.0	15
84	MR Imaging of the Cochlear Modiolus after Intratympanic Administration of Gd-DTPA. <i>Magnetic Resonance in Medical Sciences</i> , 2010, 9, 23-29.	2.0	14
85	Prognostic value of 18F-fluorodeoxyglucose uptake before treatment for pharyngeal cancer. <i>Annals of Nuclear Medicine</i> , 2014, 28, 356-362.	2.2	14
86	Response of cochlear blood flow to prostaglandin E1 applied topically to the round window. <i>Acta Oto-Laryngologica</i> , 2006, 126, 232-236.	0.9	12
87	Cochlear modiolus and lateral semicircular canal in sudden deafness. <i>Acta Oto-Laryngologica</i> , 2007, 127, 1157-1161.	0.9	12
88	Signal Alteration of the Cochlear Perilymph on 3 Different Sequences after Intratympanic Gd-DTPA Administration at 3 Tesla: Comparison of 3D-FLAIR, 3D-T1-weighted Imaging, and 3D-CISS. <i>Magnetic Resonance in Medical Sciences</i> , 2010, 9, 65-71.	2.0	12
89	Imaging of a congenital perilymphatic fistula. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2003, 67, 421-425.	1.0	11
90	Enlarged endolymphatic duct and sac syndrome: relationship between MR findings and genotype of mutation in pendred syndrome gene. <i>Magnetic Resonance Imaging</i> , 2004, 22, 25-30.	1.8	11

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91	Estimation of Gadolinium-induced T1-shortening with Measurement of Simple Signal Intensity Ratio between the Cochlea and Brain Parenchyma on 3D-FLAIR: Correlation with T1 Measurement by TI Scout Sequence. <i>Magnetic Resonance in Medical Sciences</i> , 2010, 9, 17-22.	2.0	11
92	Laryngeal sensation and pharyngeal delay time after (chemo)radiotherapy. <i>European Archives of Oto-Rhino-Laryngology</i> , 2014, 271, 2299-2304.	1.6	11
93	Endolymphatic Hydrops of the Labyrinth Visualized on Noncontrast MR Imaging: A Case Report. <i>Magnetic Resonance in Medical Sciences</i> , 2009, 8, 43-46.	2.0	10
94	Progressive hearing loss following acquired cytomegalovirus infection in an immunocompromised child. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2013, 34, 89-92.	1.3	10
95	Magnetic Resonance Imaging of Endolymphatic Sac in Acute Low-Tone Sensorineural Hearing Loss without Vertigo. <i>Orl</i> , 2003, 65, 254-260.	1.1	8
96	Evaluation of Vascular Activity in Otosclerosis by Laser Doppler Flowmetry. <i>Otology and Neurotology</i> , 2013, 34, 1559-1563.	1.3	8
97	Dietary habits and medical examination findings in Japanese adults middle-aged or older who live alone. <i>Nutrition</i> , 2021, 89, 111268.	2.4	7
98	Cochlear Blood Flow and Speech Perception Ability in Cochlear Implant Users. <i>Otology and Neurotology</i> , 2012, 33, 165-168.	1.3	6
99	Contrast enhancement of the cochlear aqueduct in MR imaging: its frequency and clinical significance. <i>Neuroradiology</i> , 2003, 45, 626-630.	2.2	5
100	Estimation of Perilymph Enhancement after Intratympanic Administration of Gd-DTPA by Fast T1-mapping with a Dual Flip Angle 3D Spoiled Gradient Echo Sequence. <i>Magnetic Resonance in Medical Sciences</i> , 2013, 12, 223-228.	2.0	5
101	Olfactory and gustatory dysfunction caused by SARS-CoV-2: Comparison with cases of infection with influenza and other viruses. <i>Infection Control and Hospital Epidemiology</i> , 2021, 42, 113-114.	1.8	4
102	Expression of midkine in the cochlea. <i>Hearing Research</i> , 2001, 160, 10-14.	2.0	3
103	Olfactory Function in Persons with Cerebral Palsy. <i>Journal of Policy and Practice in Intellectual Disabilities</i> , 2019, 16, 217-222.	2.7	3
104	Longitudinal associations between hearing aid usage and cognition in community-dwelling Japanese older adults with moderate hearing loss. <i>PLoS ONE</i> , 2021, 16, e0258520.	2.5	3
105	In Reference to <i>Visualization of Endolymphatic Hydrops in Patients With Meniere's Disease</i>. <i>Laryngoscope</i> , 2008, 118, 946-947.	2.0	2
106	Imaging findings in a case with cholesteatoma in complete aural atresia. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2010, 31, 297-299.	1.3	2
107	Visualization of White Matter Tracts Using a Non-Diffusion Weighted Magnetic Resonance Imaging Method: Does Intravenous Gadolinium Injection Four Hours Prior to the Examination Affect the Visualization of White Matter Tracts?. <i>PLoS ONE</i> , 2014, 9, e91860.	2.5	2
108	Effect of an enlarged endolymphatic duct on bone conduction threshold. <i>Acta Oto-Laryngologica</i> , 2008, 128, 534-538.	0.9	1

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109	Cerumen impaction shown by brain magnetic resonance imaging in patients with cognitive impairment. Geriatrics and Gerontology International, 2016, 16, 392-395.	1.5	1
110	Gustatory function in persons with cerebral palsy. Journal of Oral Rehabilitation, 2020, 47, 523-527.	3.0	1