Jae Hoon

List of Publications by Year
in descending order

40 papers	839 citations	430874 18 h-index	501196 28 g-index
41 all docs	41 docs citations	41 times ranked	563 citing authors

#	Article	IF	Citations
1	A New Stapes-Head Coupler for the Vibrant Soundbridge System. Audiology and Neuro-Otology, 2021, 26, 1-8.	1.3	1
2	Contribution of the flexible incudo-malleal joint to middle-ear sound transmission under static pressure loads. Hearing Research, 2021, 406, 108272.	2.0	6
3	Investigation of Tympanic Membrane Influences on Middle-Ear Impedance Measurements and Simulations. Computational Methods in Applied Sciences (Springer), 2020, , 3-10.	0.3	2
4	Comparison of sheep and human middle-ear ossicles: anatomy and inertial properties. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2020, 206, 683-700.	1.6	7
5	Dependence of skull surface wave propagation on stimulation sites and direction under bone conduction. Journal of the Acoustical Society of America, 2020, 147, 1985-2001.	1.1	11
6	Influence of angular positioning of the prosthesis in stapes surgeries with a NiTiBond prosthesis: Investigation in cadaveric temporal bones. Hearing Research, 2019, 378, 149-156.	2.0	2
7	Experimental investigation of promontory motion and intracranial pressure following bone conduction: Stimulation site and coupling type dependence. Hearing Research, 2019, 378, 108-125.	2.0	32
8	Multiphoton imaging for morphometry of the sandwich-beam structure of the human stapedial annular ligament. Hearing Research, 2019, 378, 63-74.	2.0	1
9	Magnitude and phase of three-dimensional (3D) velocity vector: Application to measurement of cochlear promontory motion during bone conduction sound transmission. Hearing Research, 2018, 364, 96-103.	2.0	19
10	Effects of middle ear quasi-static stiffness on sound transmission quantified by a novel 3-axis optical force sensor. Hearing Research, 2018, 357, 1-9.	2.0	9
11	Performance evaluation of a novel piezoelectric subcutaneous bone conduction device. Hearing Research, 2018, 370, 94-104.	2.0	27
12	Proof of Concept for an Intracochlear Acoustic Receiver for Use in Acute Large Animal Experiments. Sensors, 2018, 18, 3565.	3.8	5
13	A MEMS Condenser Microphone-Based Intracochlear Acoustic Receiver. IEEE Transactions on Biomedical Engineering, 2017, 64, 2431-2438.	4.2	22
14	Sound wave propagation on the human skull surface with bone conduction stimulation. Hearing Research, 2017, 355, 1-13.	2.0	37
15	Sheep as a large animal ear model: Middle-ear ossicular velocities and intracochlear sound pressure. Hearing Research, 2017, 351, 88-97.	2.0	14
16	A method to measure sound transmission via the malleusâ€"incus complex. Hearing Research, 2016, 340, 89-98.	2.0	17
17	Influence of stimulation position on the sensitivity for bone conduction hearing aids without skin penetration. International Journal of Audiology, 2016, 55, 439-446.	1.7	40
18	Intracranial Pressure and Promontory Vibration With Soft Tissue Stimulation in Cadaveric Human Whole Heads. Otology and Neurotology, 2016, 37, e384-e390.	1.3	19

#	Article	IF	Citations
19	Correlation of Electrophysiological Properties and Hearing Preservation in Cochlear Implant Patients. Otology and Neurotology, 2015, 36, 1172-1180.	1.3	41
20	Extra- and Intracochlear Electrocochleography in Cochlear Implant Recipients. Audiology and Neuro-Otology, 2015, 20, 339-348.	1.3	60
21	Contribution of the incudo-malleolar joint to middle-ear sound transmission. Hearing Research, 2015, 327, 218-226.	2.0	30
22	Clinical and Microbiological Evaluation of an Extended-Wear Hearing Instrument. Audiology and Neurotology Extra, 2014, 4, 32-45.	2.0	0
23	Optimal ossicular site for maximal vibration transmissions to coupled transducers. Hearing Research, 2013, 301, 137-145.	2.0	7
24	Characterization of Stapes Anatomy: Investigation of Human and Guinea Pig. JARO - Journal of the Association for Research in Otolaryngology, 2013, 14, 159-173.	1.8	32
25	The effect of rocking stapes motions on the cochlear fluid flow and on the basilar membrane motion. Journal of the Acoustical Society of America, 2013, 134, 3749-3758.	1.1	18
26	An Artificial Temporal Bone as a Training Tool for Cochlear Implantation. Otology and Neurotology, 2013, 34, 1048-1051.	1.3	25
27	Can an Incomplete Ossicular Discontinuity Be Predicted by Audiometric and Clinical Findings?. Otology and Neurotology, 2013, 34, 699-704.	1.3	10
28	Objective Assessment of Stapedotomy Surgery From Round Window Motion Measurement. Ear and Hearing, 2012, 33, e24-e31.	2.1	30
29	Assessment of a Direct Acoustic Cochlear Stimulator. Audiology and Neuro-Otology, 2012, 17, 299-308.	1.3	13
30	How Does Closure of Tympanic Membrane Perforations Affect Hearing and Middle Ear Mechanics?â€"An Evaluation in a Patient Cohort and Temporal Bone Models. Otology and Neurotology, 2012, 33, 371-378.	1.3	16
31	Contribution of complex stapes motion to cochlea activation. Hearing Research, 2012, 284, 82-92.	2.0	20
32	Ossiculoplasty With Total Ossicular Replacement Prosthesis and Omega Connector. Otology and Neurotology, 2011, 32, 1102-1107.	1.3	14
33	The Influence of Prosthesis Diameter in Stapes Surgery. Otology and Neurotology, 2011, 32, 520-528.	1.3	57
34	Complex Stapes Motions in Human Ears. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 329-341.	1.8	73
35	The influence of postoperative tissue formation on sound transmission after stapes surgery. Hearing Research, 2010, 263, 38-42.	2.0	8
36	Errors in measurement of three-dimensional motions of the stapes using a Laser Doppler Vibrometer system. Hearing Research, 2010, 270, 4-14.	2.0	11

#	Article	IF	Citations
37	A 3-D Force and Moment Motor for Small-Scale Biomechanics Experiments. IEEE Sensors Journal, 2009, 9, 1924-1932.	4.7	3
38	Soft Tissue Morphometry of the Malleusâ€"Incus Complex from Micro-CT Imaging. JARO - Journal of the Association for Research in Otolaryngology, 2008, 9, 5-21.	1.8	64
39	Calculation of inertial properties of the malleus-incus complex from micro-CT imaging. Journal of Mechanics of Materials and Structures, 2007, 2, 1515-1524.	0.6	33
40	THREE-DIMENSIONAL MEASUREMENTS AND ANALYSIS OF THE ISOLATED MALLEUS-INCUS COMPLEX. , 2004, , .		3