

Thomas Lenarz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

252
papers

3,563
citations

31
h-index

49
g-index

292
ext. papers

4,670
ext. citations

3.1
avg. IF

5.75
L-index

#	Paper	IF	Citations
252	Distinct multisensory perceptual processes guide enhanced auditory recognition memory in older cochlear implant users.. <i>NeuroImage: Clinical</i> , 2022 , 33, 102942	5.3	0
251	Facial nerve stimulation in cochlear implant users - a matter of stimulus parameters?. <i>Cochlear Implants International</i> , 2022 , 1-8	1.7	1
250	Real-world clinical experience with bimodal neuromodulation for the treatment of tinnitus - A case series.. <i>Brain Stimulation</i> , 2022 ,	5.1	
249	Relationship Between Intraoperative Electrocochleography and Hearing Preservation. <i>Otology and Neurotology</i> , 2022 , 43, e72-e78	2.6	1
248	Proteome profile of patients with excellent and poor speech intelligibility after cochlear implantation: Can perilymph proteins predict performance?. <i>PLoS ONE</i> , 2022 , 17, e0263765	3.7	0
247	Variations in microanatomy of the human modiolus require individualized cochlear implantation.. <i>Scientific Reports</i> , 2022 , 12, 5047	4.9	1
246	Purification of Fibroblasts From the Spiral Ganglion.. <i>Frontiers in Neurology</i> , 2022 , 13, 877342	4.1	
245	Clinical experiences with intraoperative electrocochleography in cochlear implant recipients and its potential to reduce insertion trauma and improve postoperative hearing preservation.. <i>PLoS ONE</i> , 2022 , 17, e0266077	3.7	2
244	Minimally Invasive Cochlear Implantation: First-in-Man of Patient-Specific Positioning Jigs.. <i>Frontiers in Neurology</i> , 2022 , 13, 829478	4.1	0
243	Bioinformatic Analysis of the Perilymph Proteome to Generate a Human Protein Atlas.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 847157	5.7	0
242	Reducing the manual length setting error of a passive Gough-Stewart platform for surgical template fabrication using a digital measurement system. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 89-92	0.5	0
241	Illustrating orientation changes of the insertion trajectory during cochlear implant electrode array insertion. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 113-116	0.5	1
240	A method to determine the accuracy of shape setting thin, spirally shaped Nitinol wires. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 93-96	0.5	
239	Investigation of auditory neuronal survival and outgrowth using a cochlear implant in an artificial cochlear model. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 449-452	0.5	0
238	A software for online monitoring of orientation-compensated forces during CI insertion. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 97-100	0.5	
237	Stability and Biocompatibility Tests of Alginate as Cochlear Implant Coating Material. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 775-778	0.5	0
236	Reliability of start and stop control of hydraulic actuation for the insertion of electrode arrays. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 109-112	0.5	

235	Polymer selection for Eustachian tube stent application based on mechanical, thermal and degradation behavior. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 656-659	0.5	
234	A method for image-guided positioning of cochlear specimens in insertion test benches using 3D printed stands. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 105-108	0.5	
233	Micro injection molding of individualised implants using 3D printed molds manufactured via digital light processing. <i>Current Directions in Biomedical Engineering</i> , 2021 , 7, 399-402	0.5	0
232	Middle Ear Actuator Performance Determined From Intracochlear Pressure Measurements in a Single Cochlear Scala. <i>Otology and Neurotology</i> , 2021 , 42, e86-e93	2.6	2
231	Superior semicircular canal dehiscence: a narrative review. <i>Journal of Laryngology and Otology</i> , 2021 , 1-20	1.8	
230	Melkersson-Rosenthal syndrome in the context of sarcoidosis: a case report. <i>Journal of Medical Case Reports</i> , 2021 , 15, 488	1.2	1
229	Optimized SNR-based ECAP threshold determination is comparable to the judgement of human evaluators. <i>PLoS ONE</i> , 2021 , 16, e0259347	3.7	0
228	Monitoring of the auditory pathway maturation after early intervention during the first year of life in infants with sensorineural hearing loss. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021 , 278, 4187-4197	2.5	1
227	On the Intracochlear Location of Straight Electrode Arrays After Cochlear Implantation: How Lateral Are Lateral Wall Electrodes?. <i>Otology and Neurotology</i> , 2021 , 42, 242-250	2.6	5
226	Performance Evaluation of Coupling Variants for an Active Middle Ear Implant Actuator: Output, Conductive Losses, and Stability of Coupling With Ambient Pressure Changes. <i>Otology and Neurotology</i> , 2021 , 42, e690-e697	2.6	2
225	Correlation of Electrically Evoked Compound Action Potential Amplitude Growth Function Slope and Anamnestic Parameters in Cochlear Implant Patients-Identification of Predictors for the Neuronal Health Status. <i>Life</i> , 2021 , 11,	3	1
224	Uncoiling the Human Cochlea-Physical Scala Tympani Models to Study Pharmacokinetics Inside the Inner Ear. <i>Life</i> , 2021 , 11,	3	1
223	Measurements of the local evoked potential from the cochlear nucleus in patients with an auditory brainstem implant and its implication to auditory perception and audio processor programming. <i>PLoS ONE</i> , 2021 , 16, e0249535	3.7	
222	The Effect of Ultra-slow Velocities on Insertion Forces: A Study Using a Highly Flexible Straight Electrode Array. <i>Otology and Neurotology</i> , 2021 , 42, e1013-e1021	2.6	3
221	A cochlear scaling model for accurate anatomy evaluation and frequency allocation in cochlear implantation. <i>Hearing Research</i> , 2021 , 403, 108166	3.9	4
220	Evaluating Neurotrophin Signaling Using MicroRNA Perilymph Profiling in Cochlear Implant Patients With and Without Residual Hearing. <i>Otology and Neurotology</i> , 2021 , 42, e1125-e1133	2.6	0
219	Image Processing of Conventional Computer Tomography Images for Segmentation of the Human Cochlea. <i>Studies in Health Technology and Informatics</i> , 2021 , 281, 73-77	0.5	
218	Long-Term, Multicenter Results With the First Transcutaneous Bone Conduction Implant. <i>Otology and Neurotology</i> , 2021 , 42, 858-866	2.6	3

217	The Conspicuous Link between Ear, Brain and Heart-Could Neurotrophin-Treatment of Age-Related Hearing Loss Help Prevent Alzheimer's Disease and Associated Amyloid Cardiomyopathy?. <i>Biomolecules</i> , 2021 , 11,	5.9	5
216	The insular cortex as a vestibular area in relation to autonomic function. <i>Clinical Autonomic Research</i> , 2021 , 31, 179-185	4.3	2
215	Hidden Electrode Failure in a Cochlear Implant User. <i>Laryngoscope</i> , 2021 , 131, E1275-E1278	3.6	4
214	Amplitude Growth Functions of Auditory Nerve Responses to Electric Pulse Stimulation With Varied Interphase Gaps in Cochlear Implant Users With Ipsilateral Residual Hearing. <i>Trends in Hearing</i> , 2021 , 25, 23312165211014137	3.2	0
213	Concept description and accuracy evaluation of a moldable surgical targeting system. <i>Journal of Medical Imaging</i> , 2021 , 8, 015003	2.6	2
212	Improved Speech Intelligibility in Subjects With Stable Sensorineural Hearing Loss Following Intratympanic Dosing of FX-322 in a Phase 1b Study. <i>Otology and Neurotology</i> , 2021 , 42, e849-e857	2.6	6
211	Potential of Brain-Derived Neurotrophic Factor-Induced Protection of Spiral Ganglion Neurons by C3 Exoenzyme/Rho Inhibitor. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 602897	6.1	0
210	Optical absorbance of the tympanic membrane in rat and human samples. <i>PLoS ONE</i> , 2021 , 16, e0254902	3.7	1
209	Functional aspects of the Eustachian tube by means of 3D-modeling. <i>PLoS ONE</i> , 2021 , 16, e0244909	3.7	0
208	Hydraulic insertions of cochlear implant electrode arrays into the human cadaver cochlea: preliminary findings. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021 , 1	3.5	
207	Personalized Proteomics for Precision Diagnostics in Hearing Loss: Disease-Specific Analysis of Human Perilymph by Mass Spectrometry. <i>ACS Omega</i> , 2021 , 6, 21241-21254	3.9	2
206	Cochlear implantation under local anesthesia in 117 cases: patients's subjective experience and outcomes. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021 , 1	3.5	0
205	The Use of Clinically Measurable Cochlear Parameters in Cochlear Implant Surgery as Indicators for Size, Shape, and Orientation of the Scala Tympani. <i>Ear and Hearing</i> , 2021 , 42, 1034-1041	3.4	1
204	Cochlea implantation in patients with superficial hemosiderosis.. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021 , 1	3.5	0
203	Hearing dysfunction in patients with Neuro-Sjögren: a cross-sectional study. <i>Annals of Translational Medicine</i> , 2020 , 8, 1069	3.2	3
202	Expression pattern of brain-derived neurotrophic factor and its associated receptors: Implications for exogenous neurotrophin application. <i>Hearing Research</i> , 2020 , 413, 108098	3.9	3
201	Dimensions and position of the Eustachian tube in Humans. <i>PLoS ONE</i> , 2020 , 15, e0232655	3.7	1
200	Acute Profound Sensorineural Hearing Loss After COVID-19 Pneumonia. <i>Mayo Clinic Proceedings</i> , 2020 , 95, 1801-1803	6.4	57

199	Differential Effects of Low- and High-Dose Dexamethasone on Electrically Induced Damage of the Cultured Organ of Corti. <i>Neurotoxicity Research</i> , 2020 , 38, 487-497	4.3	1
198	Audiological Results with the SAMBA Audio Processor in Comparison to the AmadI for the Vibrant Soundbridge. <i>Audiology and Neuro-Otology</i> , 2020 , 25, 164-172	2.2	2
197	Amplitude growth of intracochlear electrocochleography in cochlear implant users with residual hearing. <i>Journal of the Acoustical Society of America</i> , 2020 , 147, 1147	2.2	3
196	Intratympanic application of triamcinolone in sudden hearing loss-radiologic anatomy in cone beam CT and its correlation to clinical outcome. <i>European Archives of Oto-Rhino-Laryngology</i> , 2020 , 277, 1931-1937	3.5	1
195	Exploratory tympanotomy in sudden sensorineural hearing loss for the identification of a perilymphatic fistula - retrospective analysis and review of the literature. <i>Journal of Laryngology and Otology</i> , 2020 , 134, 501-508	1.8	1
194	Case report of the first patient with electro-mechanical stimulation of the inner ear: The Vibrant Soundbridge combined with a FLEX20 cochlear implant. <i>Otolaryngology Case Reports</i> , 2020 , 16, 100182	0.3	2
193	Challenges and advances in translating gene therapy for hearing disorders. <i>Expert Review of Precision Medicine and Drug Development</i> , 2020 , 5, 23-34	1.6	1
192	Alginate-encapsulated brain-derived neurotrophic factor-overexpressing mesenchymal stem cells are a promising drug delivery system for protection of auditory neurons. <i>Journal of Tissue Engineering</i> , 2020 , 11, 2041731420911313	7.5	15
191	Dose-Dependent Transient Decrease of Impedances by Deep Intracochlear Injection of Triamcinolone With a Cochlear Catheter Prior to Cochlear Implantation-1 Year Data. <i>Frontiers in Neurology</i> , 2020 , 11, 258	4.1	4
190	Lifetime cost of unilateral cochlear implants in adults: a Monte Carlo simulation. <i>European Journal of Health Economics</i> , 2020 , 21, 963-975	3.6	1
189	Electric-acoustic interaction measurements in cochlear-implant users with ipsilateral residual hearing using electrocochleography. <i>Journal of the Acoustical Society of America</i> , 2020 , 147, 350	2.2	4
188	Level of sex hormones and their association with acetylsalicylic acid intolerance and nasal polyposis. <i>PLoS ONE</i> , 2020 , 15, e0243732	3.7	2
187	Polymeric stents for the Eustachian tube: development and human cadaver study. <i>Current Directions in Biomedical Engineering</i> , 2020 , 6, 213-216	0.5	
186	Do Impedance Changes Correlate With a Delayed Hearing Loss After Hybrid L24 Implantation?. <i>Ear and Hearing</i> , 2020 , 42, 163-172	3.4	2
185	Corrosion casting of the temporal bone: Review of the technique. <i>Annals of Anatomy</i> , 2020 , 228, 1514552.9		
184	Psychoacoustic and electrophysiological electric-acoustic interaction effects in cochlear implant users with ipsilateral residual hearing. <i>Hearing Research</i> , 2020 , 386, 107873	3.9	4
183	Interaction Between Electric and Acoustic Stimulation Influences Speech Perception in Ipsilateral EAS Users. <i>Ear and Hearing</i> , 2020 , 41, 868-882	3.4	8
182	Tracheal Transection-A Novel Airway Management. <i>The Thoracic and Cardiovascular Surgeon Reports</i> , 2020 , 9, e24-e28	0.3	0

181	Randomized placebo-controlled clinical trial investigating the effect of antioxidants and a vasodilator on overall safety and residual hearing preservation in cochlear implant patients. <i>Trials</i> , 2020 , 21, 643	2.8	7
180	Reprint of Corrosion casting of the temporal bone: Review of the technique. <i>Annals of Anatomy</i> , 2020 , 230, 151518	2.9	
179	Hearing Preservation With a New Atraumatic Lateral Wall Electrode. <i>Otology and Neurotology</i> , 2020 , 41, e993-e1003	2.6	7
178	Unilateral Cochlear Implants for Severe, Profound, or Moderate Sloping to Profound Bilateral Sensorineural Hearing Loss: A Systematic Review and Consensus Statements. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2020 , 146, 942-953	3.9	25
177	Impedance Values Do Not Correlate With Speech Understanding in Cochlear Implant Recipients. <i>Otology and Neurotology</i> , 2020 , 41, e1029-e1034	2.6	1
176	A simple tool to automate the insertion process in cochlear implant surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020 , 15, 1931-1939	3.9	9
175	Consecutive Treatment with Brain-Derived Neurotrophic Factor and Electrical Stimulation Has a Protective Effect on Primary Auditory Neurons. <i>Brain Sciences</i> , 2020 , 10,	3.4	5
174	High Variability of Postsurgical Anatomy Supports the Need for Individualized Drug-Eluting Implants to Treat Chronic Rhinosinusitis. <i>Life</i> , 2020 , 10,	3	3
173	Dimensions of artefacts caused by cochlear and auditory brainstem implants in magnetic resonance imaging. <i>Cochlear Implants International</i> , 2020 , 21, 67-74	1.7	2
172	Decellularized equine carotid artery layers as matrix for regenerated neurites of spiral ganglion neurons. <i>International Journal of Artificial Organs</i> , 2020 , 43, 332-342	1.9	3
171	Extracellular vesicles from human multipotent stromal cells protect against hearing loss after noise trauma in vivo. <i>Clinical and Translational Medicine</i> , 2020 , 10, e262	5.7	13
170	Characterizing the size of the target region for atraumatic opening of the cochlea through the facial recess. <i>Computerized Medical Imaging and Graphics</i> , 2019 , 77, 101655	7.6	5
169	Comparison of superelastic nitinol stapes prostheses and platin teflon stapes prostheses. <i>European Archives of Oto-Rhino-Laryngology</i> , 2019 , 276, 2405-2409	3.5	1
168	Workflow assessment as a preclinical development tool : Surgical process models of three techniques for minimally invasive cochlear implantation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019 , 14, 1389-1401	3.9	2
167	Stem Cell Based Drug Delivery for Protection of Auditory Neurons in a Guinea Pig Model of Cochlear Implantation. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 177	6.1	24
166	Scanning laser optical tomography in a neuropathic mouse model : Visualization of structural changes. <i>Hno</i> , 2019 , 67, 69-76	3.7	1
165	Coating stability and insertion forces of an alginate-cell-based drug delivery implant system for the inner ear. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 97, 90-98	4.1	7
164	Introducing real-life listening features into the clinical test environment: Part II: Measuring the hearing performance and evaluating the listening effort of individuals with a hearing implant. <i>Cochlear Implants International</i> , 2019 , 20, 165-175	1.7	4

163	Influence of In Vitro Electrical Stimulation on Survival of Spiral Ganglion Neurons. <i>Neurotoxicity Research</i> , 2019 , 36, 204-216	4.3	4
162	Monitoring of the Inner Ear Function During and After Cochlear Implant Insertion Using Electrocochleography. <i>Trends in Hearing</i> , 2019 , 23, 2331216519833567	3.2	12
161	Detection of BDNF-Related Proteins in Human Perilymph in Patients With Hearing Loss. <i>Frontiers in Neuroscience</i> , 2019 , 13, 214	5.1	10
160	Defining the Inflammatory Microenvironment in the Human Cochlea by Perilymph Analysis: Toward Liquid Biopsy of the Cochlea. <i>Frontiers in Neurology</i> , 2019 , 10, 665	4.1	15
159	BDNF-overexpressing human mesenchymal stem cells mediate increased neuronal protection in vitro. <i>Journal of Neuroscience Research</i> , 2019 , 97, 1414-1429	4.4	20
158	Characterization of a measurement setup for the thermomechanical characterization of curved shape memory alloy actuators. <i>Current Directions in Biomedical Engineering</i> , 2019 , 5, 445-447	0.5	1
157	The OpenEar library of 3D models of the human temporal bone based on computed tomography and micro-slicing. <i>Scientific Data</i> , 2019 , 6, 180297	8.2	25
156	Intraluminal three-dimensional optical coherence tomography - a tool for imaging of the Eustachian tube?. <i>Journal of Laryngology and Otology</i> , 2019 , 133, 87-94	1.8	5
155	Individual Hearing Preservation Cochlear Implantation Using the Concept of Partial Insertion. <i>Otology and Neurotology</i> , 2019 , 40, e326-e335	2.6	18
154	Computational analysis based on audioprofiles: A new possibility for patient stratification in office-based otology. <i>Audiology Research</i> , 2019 , 9, 230	1.5	5
153	Reconstruction accuracy of an automated serial cross-sectional preparation technique for morphological human temporal bone imaging. <i>Current Directions in Biomedical Engineering</i> , 2019 , 5, 191-194	0.5	1
152	Covalent coupling of polymers as drug coatings on silicone surfaces for future applications. <i>Current Directions in Biomedical Engineering</i> , 2019 , 5, 311-313	0.5	1
151	Identification of factors influencing insertion characteristics of cochlear implant electrode carriers. <i>Current Directions in Biomedical Engineering</i> , 2019 , 5, 441-443	0.5	1
150	Optimum Coupling of an Active Middle Ear Actuator: Effect of Loading Forces on Actuator Output and Conductive Losses. <i>Otology and Neurotology</i> , 2019 , 40, 789-796	2.6	8
149	Efficacy of Auditory Implants for Patients With Conductive and Mixed Hearing Loss Depends on Implant Center. <i>Otology and Neurotology</i> , 2019 , 40, 430-435	2.6	7
148	Hearing Protection, Restoration, and Regeneration: An Overview of Emerging Therapeutics for Inner Ear and Central Hearing Disorders. <i>Otology and Neurotology</i> , 2019 , 40, 559-570	2.6	40
147	The Optimal inter-implant interval in pediatric sequential bilateral implantation. <i>Hearing Research</i> , 2019 , 372, 80-87	3.9	20
146	Cochlear helix and duct length identification - Evaluation of different curve fitting techniques. <i>Cochlear Implants International</i> , 2018 , 19, 268-283	1.7	22

145	Heat Shock Proteins in Human Perilymph: Implications for Cochlear Implantation. <i>Otology and Neurotology</i> , 2018 , 39, 37-44	2.6	20
144	The Summating Potential Is a Reliable Marker of Electrode Position in Electrocochleography: Cochlear Implant as a Theragnostic Probe. <i>Ear and Hearing</i> , 2018 , 39, 687-700	3.4	11
143	Stenting the Eustachian tube to treat chronic otitis media - a feasibility study in sheep. <i>Head & Face Medicine</i> , 2018 , 14, 8	2.4	10
142	Electric-acoustic forward masking in cochlear implant users with ipsilateral residual hearing. <i>Hearing Research</i> , 2018 , 364, 25-37	3.9	8
141	On the accuracy of cochlear duct length measurement in computed tomographic images. <i>European Archives of Oto-Rhino-Laryngology</i> , 2018 , 275, 1077-1085	3.5	13
140	Cortical activation patterns to spatially presented pure tone stimuli with different intensities measured by functional near-infrared spectroscopy. <i>Human Brain Mapping</i> , 2018 , 39, 2710-2724	5.9	13
139	Human Plasma Rich in Growth Factors Improves Survival and Neurite Outgrowth of Spiral Ganglion Neurons In Vitro. <i>Tissue Engineering - Part A</i> , 2018 , 24, 493-501	3.9	7
138	Numerical analysis of intracochlear mechanical auditory stimulation using piezoelectric bending actuators. <i>Medical and Biological Engineering and Computing</i> , 2018 , 56, 733-747	3.1	
137	Redesign of the Hannover Coupler: Optimized Vibration Transfer from Floating Mass Transducer to Round Window. <i>BioMed Research International</i> , 2018 , 2018, 3701954	3	0
136	Feasibility of O-water PET studies of auditory system activation during general anesthesia in children. <i>EJNMMI Research</i> , 2018 , 8, 11	3.6	2
135	Retrospective Analysis of Hearing-Impaired Adult Patients Treated With an Active Transcutaneous Bone Conduction Implant. <i>Otology and Neurotology</i> , 2018 , 39, 874-881	2.6	14
134	The Impact of Two-Stage Subtotal Petrosectomy and Round Window Vibroplasty on Bone Conduction Thresholds. <i>Orl</i> , 2018 , 80, 77-84	2	0
133	Long-term delivery of brain-derived neurotrophic factor (BDNF) from nanoporous silica nanoparticles improves the survival of spiral ganglion neurons in vitro. <i>PLoS ONE</i> , 2018 , 13, e0194778	3.7	38
132	Feasibility Assessment of Optical Coherence Tomography-Guided Laser Labeling in Middle Cranial Fossa Approach. <i>Iranian Journal of Otorhinolaryngology</i> , 2018 , 30, 321-327	0.6	
131	Outcome evaluation on cochlear implant users with residual hearing. <i>Cochlear Implants International</i> , 2018 , 19, 88-99	1.7	7
130	Analysis of Different Approaches for Clinical Cochlear Coverage Evaluation After Cochlear Implantation. <i>Otology and Neurotology</i> , 2018 , 39, e642-e650	2.6	16
129	Development of biodegradable stents for the treatment of Eustachian tube dysfunction. <i>Current Directions in Biomedical Engineering</i> , 2018 , 4, 505-508	0.5	
128	Inkjet printing for localized coating and functionalization of medical devices. <i>Current Directions in Biomedical Engineering</i> , 2018 , 4, 233-236	0.5	

127	Direct Acoustic Cochlear Implants Lead to an Improved Speech Perception Gap Compared to Conventional Hearing Aid. <i>Otology and Neurotology</i> , 2018 , 39, 1147-1152	2.6	2
126	Case Report of a New Coupler for Round Window Application of an Active Middle Ear Implant. <i>Otology and Neurotology</i> , 2018 , 39, e1060-e1063	2.6	3
125	Single Intravenous High Dose Administration of Prednisolone Has No Influence on Postoperative Impedances in the Majority of Cochlear Implant Patients. <i>Otology and Neurotology</i> , 2018 , 39, e1002-e1009	2.6	5
124	Investigation of balloon dilation devices for treatment of Eustachian tube dysfunction. <i>Current Directions in Biomedical Engineering</i> , 2018 , 4, 529-533	0.5	3
123	Minimally invasive mastoidectomy approach using a mouldable surgical targeting system. <i>Current Directions in Biomedical Engineering</i> , 2018 , 4, 403-406	0.5	2
122	Impact of anatomical variations on insertion forces. <i>Current Directions in Biomedical Engineering</i> , 2018 , 4, 509-512	0.5	4
121	Patient specific selection of lateral wall cochlear implant electrodes based on anatomical indication ranges. <i>PLoS ONE</i> , 2018 , 13, e0206435	3.7	36
120	A Novel Method for Clinical Cochlear Duct Length Estimation toward Patient-Specific Cochlear Implant Selection. <i>OTO Open</i> , 2018 , 2, 2473974X18800238	2	42
119	Fine-grain recordings of the electrically evoked compound action potential amplitude growth function in cochlear implant recipients. <i>BioMedical Engineering OnLine</i> , 2018 , 17, 140	4.1	6
118	Clinical Use of Navigation in Lateral Skull Base Surgery: Results of a Multispecialty National Survey among Skull Base Surgeons in Germany. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018 , 79, 545-553	1.5	5
117	Minimal Reporting Standards for Active Middle Ear Hearing Implants. <i>Audiology and Neuro-Otology</i> , 2018 , 23, 105-115	2.2	15
116	Platinum corrosion products from electrode contacts of human cochlear implants induce cell death in cell culture models. <i>PLoS ONE</i> , 2018 , 13, e0196649	3.7	22
115	Induction chemotherapy (IC) followed by radiotherapy (RT) versus cetuximab plus IC and RT in advanced laryngeal/hypopharyngeal cancer resectable only by total laryngectomy-final results of the larynx organ preservation trial DeLOS-II. <i>Annals of Oncology</i> , 2018 , 29, 2105-2114	10.3	29
114	Intracochlear administration of steroids with a catheter during human cochlear implantation: a safety and feasibility study. <i>Drug Delivery and Translational Research</i> , 2018 , 8, 1191-1199	6.2	13
113	Feasibility of microRNA profiling in human inner ear perilymph. <i>NeuroReport</i> , 2018 , 29, 894-901	1.7	19
112	Microenvironmental support for cell delivery to the inner ear. <i>Hearing Research</i> , 2018 , 368, 109-122	3.9	5
111	Validation of eGFP fluorescence intensity for testing in vitro cytotoxicity according to ISO 10993-5. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 715-722	3.5	10
110	Biodegradable nasal stents (MgF ₂ -coated Mg-2 wt %Nd alloy)-A long-term in vivo study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 350-365	3.5	7

109	Photochemical coating of Kapton [®] with hydrophilic polymers for the improvement of neural implants. <i>Materials Science and Engineering C</i> , 2017 , 75, 286-296	8.3	6
108	Proteome Analysis of Human Perilymph Using an Intraoperative Sampling Method. <i>Journal of Proteome Research</i> , 2017 , 16, 1911-1923	5.6	38
107	Insertion forces and intracochlear trauma in temporal bone specimens implanted with a straight atraumatic electrode array. <i>European Archives of Oto-Rhino-Laryngology</i> , 2017 , 274, 2131-2140	3.5	12
106	Encapsulated cell device approach for combined electrical stimulation and neurotrophic treatment of the deaf cochlea. <i>Hearing Research</i> , 2017 , 350, 110-121	3.9	19
105	Objective and subjective assessment of outcomes after sinus surgery in sixty patients. <i>Clinical Otolaryngology</i> , 2017 , 42, 1400-1403	1.8	
104	Impact of the round window membrane accessibility on hearing preservation in adult cochlear implantation. <i>European Archives of Oto-Rhino-Laryngology</i> , 2017 , 274, 3049-3056	3.5	5
103	Advances in translational inner ear stem cell research. <i>Hearing Research</i> , 2017 , 353, 76-86	3.9	9
102	Does severity of cerebral MRI lesions in congenital CMV infection correlates with the outcome of cochlear implantation?. <i>European Archives of Oto-Rhino-Laryngology</i> , 2017 , 274, 1397-1403	3.5	11
101	Toward steerable electrodes. An overview of concepts and current research.. <i>Current Directions in Biomedical Engineering</i> , 2017 , 3, 765-769	0.5	2
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