Thomas Lenarz

List of Publications by Year in descending order

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283	5,534	94433	133252
papers	citations	37 h-index	59 g-index

292	292	292	3775
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preservation of residual hearing with cochlear implantation: How and why. Acta Oto-Laryngologica, 2005, 125, 481-491.	0.9	240
2	Variations in microanatomy of the human cochlea. Journal of Comparative Neurology, 2014, 522, 3245-3261.	1.6	177
3	Hearing Conservation Surgery Using the Hybrid-L Electrode. Audiology and Neuro-Otology, 2009, 14, 22-31.	1.3	159
4	Impedance Changes and Fibrous Tissue Growth after Cochlear Implantation Are Correlated and Can Be Reduced Using a Dexamethasone Eluting Electrode. PLoS ONE, 2016, 11, e0147552.	2.5	145
5	Cochlear length determination using Cone Beam Computed Tomography in a clinical setting. Hearing Research, 2014, 316, 65-72.	2.0	141
6	Cochlear implant performance in geriatric patients. Laryngoscope, 2012, 122, 1361-1365.	2.0	114
7	Acute Profound Sensorineural Hearing Loss After COVID-19 Pneumonia. Mayo Clinic Proceedings, 2020, 95, 1801-1803.	3.0	111
8	Investigation of the effect of cochlear implant electrode length on speech comprehension in quiet and noise compared with the results with users of electro-acoustic-stimulation, a retrospective analysis. PLoS ONE, 2017, 12, e0174900.	2.5	101
9	Changes of Postoperative Impedances in Cochlear Implant Patients. Otology and Neurotology, 2006, 27, 639-647.	1.3	99
10	Hearing Preservation Outcomes with Different Cochlear Implant Electrodes: NucleusÂ® Hybridâ„¢-L24 and Nucleus Freedomâ„¢ CI422. Audiology and Neuro-Otology, 2014, 19, 293-309.	1.3	91
11	Round window vibroplasty: Long-term results. Acta Oto-Laryngologica, 2012, 132, 1042-1048.	0.9	82
12	Spiral Form of the Human Cochlea Results from Spatial Constraints. Scientific Reports, 2017, 7, 7500.	3.3	77
13	The Impact of Electrode Array Length on Hearing Preservation in Cochlear Implantation. Otology and Neurotology, 2016, 37, 1006-1015.	1.3	76
14	Force measurement of insertion of cochlear implant electrode arrays in vitro: comparison of surgeon to automated insertion tool. Acta Oto-Laryngologica, 2010, 130, 31-36.	0.9	73
15	A Novel Method for Clinical Cochlear Duct Length Estimation toward Patientâ€Specific Cochlear Implant Selection. OTO Open, 2018, 2, 2473974X18800238.	1.4	73
16	Effects of delayed treatment with combined GDNF and continuous electrical stimulation on spiral ganglion cell survival in deafened guinea pigs. Journal of Neuroscience Research, 2009, 87, 1389-1399.	2.9	69
17	Cross-modal reorganization in cochlear implant users: Auditory cortex contributes to visual face processing. NeuroImage, 2015, 121, 159-170.	4.2	69
18	Unilateral Cochlear Implants for Severe, Profound, or Moderate Sloping to Profound Bilateral Sensorineural Hearing Loss. JAMA Otolaryngology - Head and Neck Surgery, 2020, 146, 942.	2.2	69

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19	Hearing Protection, Restoration, and Regeneration: An Overview of Emerging Therapeutics for Inner Ear and Central Hearing Disorders. Otology and Neurotology, 2019, 40, 559-570.	1.3	68
20	Cochlear implant - state of the art. GMS Current Topics in Otorhinolaryngology, Head and Neck Surgery, 2017, 16, Doc04.	0.8	68
21	Clinical Results of AutoNRT,â„¢ a Completely Automatic ECAP Recording System for Cochlear Implants. Ear and Hearing, 2007, 28, 558-570.	2.1	62
22	Proteome Analysis of Human Perilymph Using an Intraoperative Sampling Method. Journal of Proteome Research, 2017, 16, 1911-1923.	3.7	59
23	Long-term delivery of brain-derived neurotrophic factor (BDNF) from nanoporous silica nanoparticles improves the survival of spiral ganglion neurons in vitro. PLoS ONE, 2018, 13, e0194778.	2.5	58
24	Brain-derived neurotrophic factor/glial cell line-derived neurotrophic factor survival effects on auditory neurons are not limited by dexamethasone. NeuroReport, 2005, 16, 2011-2014.	1.2	56
25	Auditory midbrain implant: Research and development towards a second clinical trial. Hearing Research, 2015, 322, 212-223.	2.0	55
26	Expression of Matrix-Metalloproteinases and their Inhibitors in Human Cholesteatomas. Acta Oto-Laryngologica, 1996, 116, 451-456.	0.9	52
27	Technical Report: Modification of a Cochlear Implant Electrode for Drug Delivery to the Inner Ear. Otology and Neurotology, 2003, 24, 222-227.	1.3	51
28	Patient specific selection of lateral wall cochlear implant electrodes based on anatomical indication ranges. PLoS ONE, 2018, 13, e0206435.	2.5	51
29	Insertion site and sealing technique affect residual hearing and tissue formation after cochlear implantation. Hearing Research, 2014, 312, 21-27.	2.0	49
30	Induction chemotherapy (IC) followed by radiotherapy (RT) versus cetuximab plus IC and RT in advanced laryngeal/hypopharyngeal cancer resectable only by total laryngectomyâ€”final results of the larynx organ preservation trial DeLOS-II. Annals of Oncology, 2018, 29, 2105-2114.	1.2	48
31	Consensus statement: Long-term results of ABI in children with complex inner ear malformations and decision making between CI and ABI. Cochlear Implants International, 2016, 17, 163-171.	1.2	47
32	Multicenter Study With a Direct Acoustic Cochlear Implant. Otology and Neurotology, 2013, 34, 1215-1225.	1.3	46
33	A Review of Device Failure in More Than 23 Years of Clinical Experience of a Cochlear Implant Program With More Than 3,400 Implantees. Otology and Neurotology, 2009, 30, 455-463.	1.3	43
34	The OpenEar library of 3D models of the human temporal bone based on computed tomography and micro-slicing. Scientific Data, 2019, 6, 180297.	5.3	40
35	Hydrogel coated and dexamethasone releasing cochlear implants: Quantification of fibrosis in guinea pigs and evaluation of insertion forces in a human cochlea model. , 2015, 103, 169-178.		39
36	Biohybrid cochlear implants in human neurosensory restoration. Stem Cell Research and Therapy, 2016, 7, 148.	5.5	39

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37	In Vitro and In Vivo Evaluation of a Hydrogel Reservoir as a Continuous Drug Delivery System for Inner Ear Treatment. PLoS ONE, 2014, 9, e104564.	2.5	39
38	Neuronal Survival, Morphology and Outgrowth of Spiral Ganglion Neurons Using a Defined Growth Factor Combination. PLoS ONE, 2015, 10, e0133680.	2.5	39
39	Local inner ear application of dexamethasone in cochlear implant models is safe for auditory neurons and increases the neuroprotective effect of chronic electrical stimulation. PLoS ONE, 2017, 12, e0183820.	2.5	38
40	The effect of static force on round window stimulation with the direct acoustic cochlea stimulator. Hearing Research, 2013, 301, 115-124.	2.0	37
41	Do you hear the noise? The German matrix sentence test with a fixed noise level in subjects with normal hearing and hearing impairment. International Journal of Audiology, 2015, 54, 71-79.	1.7	35
42	Cochlear helix and duct length identification â€“ Evaluation of different curve fitting techniques. Cochlear Implants International, 2018, 19, 268-283.	1.2	35
43	Heat Shock Proteins in Human Perilymph: Implications for Cochlear Implantation. Otology and Neurotology, 2018, 39, 37-44.	1.3	34
44	BDNFâ€overexpressing human mesenchymal stem cells mediate increased neuronal protection in vitro. Journal of Neuroscience Research, 2019, 97, 1414-1429.	2.9	34
45	Stem Cell Based Drug Delivery for Protection of Auditory Neurons in a Guinea Pig Model of Cochlear Implantation. Frontiers in Cellular Neuroscience, 2019, 13, 177.	3.7	34
46	Improved Speech Intelligibility in Subjects With Stable Sensorineural Hearing Loss Following Intratympanic Dosing of FX-322 in a Phase 1b Study. Otology and Neurotology, 2021, 42, e849-e857.	1.3	34
47	Development of a specially tailored local drug delivery system for the prevention of fibrosis after insertion of cochlear implants into the inner ear. Journal of Materials Science: Materials in Medicine, 2012, 23, 2151-2162.	3.6	33
48	Positron Emission Tomography Imaging Reveals Auditory and Frontal Cortical Regions Involved with Speech Perception and Loudness Adaptation. PLoS ONE, 2015, 10, e0128743.	2.5	33
49	Feasibility of microRNA profiling in human inner ear perilymph. NeuroReport, 2018, 29, 894-901.	1.2	33
50	Platinum corrosion products from electrode contacts of human cochlear implants induce cell death in cell culture models. PLoS ONE, 2018, 13, e0196649.	2.5	32
51	Comparison of Alternative Coupling Methods of the Vibrant Soundbridge Floating Mass Transducer. Audiology and Neuro-Otology, 2016, 21, 347-355.	1.3	30
52	Intracochlear administration of steroids with a catheter during human cochlear implantation: a safety and feasibility study. Drug Delivery and Translational Research, 2018, 8, 1191-1199.	5.8	30
53	TGF-beta superfamily member activin A acts with BDNF and erythropoietin to improve survival of spiral ganglion neurons inÂvitro. Neuropharmacology, 2013, 75, 416-425.	4.1	29
54	Retrospective audiological analysis of bone conduction versus round window vibratory stimulation in patients with mixed hearing loss. International Journal of Audiology, 2015, 54, 391-400.	1.7	29

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55	Individual Hearing Preservation Cochlear Implantation Using the Concept of Partial Insertion. Otology and Neurotology, 2019, 40, e326-e335.	1.3	29
56	The Optimal inter-implant interval in pediatric sequential bilateral implantation. Hearing Research, 2019, 372, 80-87.	2.0	29
57	A 3D-printed functioning anatomical human middle ear model. Hearing Research, 2016, 340, 204-213.	2.0	28
58	Extracellular vesicles from human multipotent stromal cells protect against hearing loss after noise trauma in vivo. Clinical and Translational Medicine, 2020, 10, e262.	4.0	28
59	A Comparative Study on Speech in Noise Understanding with a Direct Acoustic Cochlear Implant in Subjects with Severe to Profound Mixed Hearing Loss. Audiology and Neuro-Otology, 2014, 19, 164-174.	1.3	27
60	Round window stimulation with the floating mass transducer at constant pretension. Hearing Research, 2014, 314, 1-9.	2.0	27
61	Facial palsy following cochlear implantation. European Archives of Oto-Rhino-Laryngology, 2016, 273, 4199-4207.	1.6	27
62	Visualization, measurement and modelling of the cochlea using rotating midmodiolar slice planes. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1855-1869.	2.8	26
63	Analysis of Different Approaches for Clinical Cochlear Coverage Evaluation After Cochlear Implantation. Otology and Neurotology, 2018, 39, e642-e650.	1.3	25
64	Lipidic nanocapsule drug delivery: neuronal protection for cochlear implant optimization. International Journal of Nanomedicine, 2012, 7, 2449.	6.7	24
65	Establishment of a long-term spiral ganglion neuron culture with reduced glial cell number: Effects of AraC on cell composition and neurons. Journal of Neuroscience Methods, 2016, 268, 106-116.	2.5	24
66	Defining the Inflammatory Microenvironment in the Human Cochlea by Perilymph Analysis: Toward Liquid Biopsy of the Cochlea. Frontiers in Neurology, 2019, 10, 665.	2.4	24
67	Monitoring of the Inner Ear Function During and After Cochlear Implant Insertion Using Electrocochleography. Trends in Hearing, 2019, 23, 233121651983356.	1.3	24
68	Alginate-encapsulated brain-derived neurotrophic factorâ€“overexpressing mesenchymal stem cells are a promising drug delivery system for protection of auditory neurons. Journal of Tissue Engineering, 2020, 11, 204173142091131.	5.5	24
69	Encapsulated cell device approach for combined electrical stimulation and neurotrophic treatment of the deaf cochlea. Hearing Research, 2017, 350, 110-121.	2.0	23
70	Cortical activation patterns to spatially presented pure tone stimuli with different intensities measured by functional nearâ€infrared spectroscopy. Human Brain Mapping, 2018, 39, 2710-2724.	3.6	23
71	Minimal Reporting Standards for Active Middle Ear Hearing Implants. Audiology and Neuro-Otology, 2018, 23, 105-115.	1.3	23
72	Insertion forces and intracochlear trauma in temporal bone specimens implanted with a straight atraumatic electrode array. European Archives of Oto-Rhino-Laryngology, 2017, 274, 2131-2140.	1.6	22

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73	Cochlear implants. Current Pharmaceutical Biotechnology, 2013, 14, 112-23.	1.6	22
74	Spiral ganglion neuron quantification in the guinea pig cochlea using Confocal Laser Scanning Microscopy compared to embedding methods. Hearing Research, 2013, 306, 145-155.	2.0	21
75	Biocompatibility of MgF2-coated MgNd2 specimens in contact with mucosa of the nasal sinus â€“ A long term study. Acta Biomaterialia, 2015, 18, 249-261.	8.3	21
76	Long-Term Results of Incus Vibroplasty in Patients with Moderate-to-Severe Sensorineural Hearing Loss. Audiology and Neuro-Otology, 2015, 20, 136-146.	1.3	21
77	Validation of methods for prediction of clinical output levels of active middle ear implants from measurements in human cadaveric ears. Scientific Reports, 2017, 7, 15877.	3.3	21
78	Interaction Between Electric and Acoustic Stimulation Influences Speech Perception in Ipsilateral EAS Users. Ear and Hearing, 2020, 41, 868-882.	2.1	21
79	Clinical use of a system for the automated recording and analysis of electrically evoked compound action potentials (ECAPs) in cochlear implant patients. Acta Oto-Laryngologica, 2010, 130, 724-732.	0.9	20
80	Nanosecond laser pulse stimulation of spiral ganglion neurons and model cells. Biomedical Optics Express, 2014, 5, 1014.	2.9	20
81	Differential Intracochlear Sound Pressure Measurements in Human Temporal Bones with an Off-the-Shelf Sensor. BioMed Research International, 2016, 2016, 1-10.	1.9	20
82	Effect of hyperbaric oxygen on BDNF-release and neuroprotection: Investigations with human mesenchymal stem cells and genetically modified NIH3T3 fibroblasts as putative cell therapeutics. PLoS ONE, 2017, 12, e0178182.	2.5	20
83	The influence of newborn hearing screening on the age at cochlear implantation in children. Laryngoscope, 2015, 125, 985-990.	2.0	19
84	Validation of eGFP fluorescence intensity for testing in vitro cytotoxicity according to ISO 10993â€5. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 715-722.	3.4	19
85	Retrospective Analysis of Hearing-Impaired Adult Patients Treated With an Active Transcutaneous Bone Conduction Implant. Otology and Neurotology, 2018, 39, 874-881.	1.3	19
86	Efficacy of Auditory Implants for Patients With Conductive and Mixed Hearing Loss Depends on Implant Center. Otology and Neurotology, 2019, 40, 430-435.	1.3	19
87	Dissociated Neurons and Glial Cells Derived from Rat Inferior Colliculi after Digestion with Papain. PLoS ONE, 2013, 8, e80490.	2.5	19
88	The Codacsâ„¢ Direct Acoustic Cochlear Implant Actuator: Exploring Alternative Stimulation Sites and Their Stimulation Efficiency. PLoS ONE, 2015, 10, e0119601.	2.5	19
89	The Summating Potential Is a Reliable Marker of Electrode Position in Electrocochleography: Cochlear Implant as a Theragnostic Probe. Ear and Hearing, 2018, 39, 687-700.	2.1	18
90	Stenting the Eustachian tube to treat chronic otitis media - a feasibility study in sheep. Head & Face Medicine, 2018, 14, 8.	2.1	18

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91	Hearing Preservation With a New Atraumatic Lateral Wall Electrode. Otology and Neurotology, 2020, 41, e993-e1003.	1.3	18
92	Phosphodiesterase Type 4 Inhibitor Rolipram Improves Survival of Spiral Ganglion Neurons In Vitro. PLoS ONE, 2014, 9, e92157.	2.5	18
93	Quantification of tumor cell invasion using confocal laser scan microscopy. Nature Medicine, 1997, 3, 1167-1171.	30.7	17
94	Treatment of Middle Ear Ventilation Disorders: Sheep as Animal Model for Stenting the Human Eustachian Tube â€“ A Cadaver Study. PLoS ONE, 2014, 9, e113906.	2.5	17
95	On the accuracy of cochlear duct length measurement in computed tomographic images. European Archives of Oto-Rhino-Laryngology, 2018, 275, 1077-1085.	1.6	17
96	Three-dimensional modeling of the cochlea by use of an arc fitting approach. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 1785-1799.	1.6	16
97	Prevalence and audiological profiles of GJB2 mutations in a large collective of hearing impaired patients. Hearing Research, 2016, 333, 77-86.	2.0	16
98	Does severity of cerebral MRI lesions in congenital CMV infection correlates with the outcome of cochlear implantation?. European Archives of Oto-Rhino-Laryngology, 2017, 274, 1397-1403.	1.6	16
99	The Hannover Coupler: Controlled Static Prestress in Round Window Stimulation With the Floating Mass Transducer. Otology and Neurotology, 2017, 38, 1186-1192.	1.3	16
100	A simple tool to automate the insertion process in cochlear implant surgery. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1931-1939.	2.8	16
101	Polymer Coatings of Cochlear Implant Electrode Surface â€“ An Option for Improving Electrode-Nerve-Interface by Blocking Fibroblast Overgrowth. PLoS ONE, 2016, 11, e0157710.	2.5	16
102	Scanning laser optical tomography for in toto imaging of the murine cochlea. PLoS ONE, 2017, 12, e0175431.	2.5	16
103	Impact of the surgical wound closure technique on the revision surgery rate after subtotal petrosectomy. European Archives of Oto-Rhino-Laryngology, 2016, 273, 3641-3646.	1.6	15
104	Advances in translational inner ear stem cell research. Hearing Research, 2017, 353, 76-86.	2.0	15
105	Dose-Dependent Transient Decrease of Impedances by Deep Intracochlear Injection of Triamcinolone With a Cochlear Catheter Prior to Cochlear Implantationâ€“1 Year Data. Frontiers in Neurology, 2020, 11, 258.	2.4	15
106	Cochlear Implantation in Children under the Age of Two Years. , 1997, 52, 204-210.		14
107	Coatings of Different Carbon Nanotubes on Platinum Electrodes for Neuronal Devices: Preparation, Cytocompatibility and Interaction with Spiral Ganglion Cells. PLoS ONE, 2016, 11, e0158571.	2.5	14
108	Electric-acoustic forward masking in cochlear implant users with ipsilateral residual hearing. Hearing Research, 2018, 364, 25-37.	2.0	14

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109	Fine-grain recordings of the electrically evoked compound action potential amplitude growth function in cochlear implant recipients. BioMedical Engineering OnLine, 2018, 17, 140.	2.7	14
110	Feasibility of 15O-water PET studies of auditory system activation during general anesthesia in children. EJNMMI Research, 2018, 8, 11.	2.5	14
111	The insular cortex as a vestibular area in relation to autonomic function. Clinical Autonomic Research, 2021, 31, 179-185.	2.5	14
112	Grid-like surface structures in thermoplastic polyurethane induce anti-inflammatory and anti-fibrotic processes in bone marrow-derived mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2016, 148, 104-115.	5.0	13
113	Detection of BDNF-Related Proteins in Human Perilymph in Patients With Hearing Loss. Frontiers in Neuroscience, 2019, 13, 214.	2.8	13
114	Consecutive Treatment with Brain-Derived Neurotrophic Factor and Electrical Stimulation Has a Protective Effect on Primary Auditory Neurons. Brain Sciences, 2020, 10, 559.	2.3	13
115	The Effect of Ultra-slow Velocities on Insertion Forces: A Study Using a Highly Flexible Straight Electrode Array. Otology and Neurotology, 2021, 42, e1013-e1021.	1.3	13
116	Biodegradable nasal stents (MgF₂â€coated Mgâ€“2 wt %Nd alloy)â€”A longâ€term in vivo study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 350-365.	3.4	12
117	Outcome evaluation on cochlear implant users with residual hearing. Cochlear Implants International, 2018, 19, 88-99.	1.2	12
118	Psychoacoustic and electrophysiological electric-acoustic interaction effects in cochlear implant users with ipsilateral residual hearing. Hearing Research, 2020, 386, 107873.	2.0	12
119	Expression pattern of brain-derived neurotrophic factor and its associated receptors: Implications for exogenous neurotrophin application. Hearing Research, 2022, 413, 108098.	2.0	12
120	Dimensions and position of the Eustachian tube in Humans. PLoS ONE, 2020, 15, e0232655.	2.5	12
121	A cochlear scaling model for accurate anatomy evaluation and frequency allocation in cochlear implantation. Hearing Research, 2021, 403, 108166.	2.0	12
122	Long-Term, Multicenter Results With the First Transcutaneous Bone Conduction Implant. Otology and Neurotology, 2021, 42, 858-866.	1.3	12
123	Electric-acoustic interaction measurements in cochlear-implant users with ipsilateral residual hearing using electrocochleography. Journal of the Acoustical Society of America, 2020, 147, 350-363.	1.1	12
124	Optimum Coupling of an Active Middle Ear Actuator: Effect of Loading Forces on Actuator Output and Conductive Losses. Otology and Neurotology, 2019, 40, 789-796.	1.3	11
125	Relationship Between Intraoperative Electrocochleography and Hearing Preservation. Otology and Neurotology, 2022, 43, e72-e78.	1.3	11
126	Induction of neuronal-like phenotype in human mesenchymal stem cells by overexpression of Neurogenin1 and treatment with neurotrophins. Tissue and Cell, 2016, 48, 524-532.	2.2	10

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127	fNIRS for future use in auditory diagnostics. Current Directions in Biomedical Engineering, 2016, 2, 229-232.	0.4	10
128	Subtotal petrosectomy and Codacsâ„¢: new possibilities in ears with chronic infection. European Archives of Oto-Rhino-Laryngology, 2016, 273, 1387-1391.	1.6	10
129	Photochemical coating of KaptonÂ® with hydrophilic polymers for the improvement of neural implants. Materials Science and Engineering C, 2017, 75, 286-296.	7.3	10
130	Human Plasma Rich in Growth Factors Improves Survival and Neurite Outgrowth of Spiral Ganglion Neurons In Vitro. Tissue Engineering - Part A, 2018, 24, 493-501.	3.1	10
131	Characterizing the size of the target region for atraumatic opening of the cochlea through the facial recess. Computerized Medical Imaging and Graphics, 2019, 77, 101655.	5.8	10
132	Coating stability and insertion forces of an alginate-cell-based drug delivery implant system for the inner ear. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 97, 90-98.	3.1	10
133	Intraluminal three-dimensional optical coherence tomography â€“ a tool for imaging of the Eustachian tube?. Journal of Laryngology and Otology, 2019, 133, 87-94.	0.8	10
134	Amplitude growth of intracochlear electrocochleography in cochlear implant users with residual hearing. Journal of the Acoustical Society of America, 2020, 147, 1147-1162.	1.1	10
135	The Conspicuous Link between Ear, Brain and Heartâ€“Could Neurotrophin-Treatment of Age-Related Hearing Loss Help Prevent Alzheimerâ€™s Disease and Associated Amyloid Cardiomyopathy?. Biomolecules, 2021, 11, 900.	4.0	10
136	The Use of Clinically Measurable Cochlear Parameters in Cochlear Implant Surgery as Indicators for Size, Shape, and Orientation of the Scala Tympani. Ear and Hearing, 2021, 42, 1034-1041.	2.1	10
137	On the Intracochlear Location of Straight Electrode Arrays After Cochlear Implantation: How Lateral Are Lateral Wall Electrodes?. Otology and Neurotology, 2021, 42, 242-250.	1.3	10
138	PLLA Coating of Active Implants for Dual Drug Release. Molecules, 2022, 27, 1417.	3.8	10
139	Clinical experiences with intraoperative electrocochleography in cochlear implant recipients and its potential to reduce insertion trauma and improve postoperative hearing preservation. PLoS ONE, 2022, 17, e0266077.	2.5	10
140	Biocompatibility of silver containing silica films on BioveritÂ® II middle ear prostheses in rabbits. Journal of Biomaterials Applications, 2015, 30, 17-29.	2.4	9
141	Innovative 3D Model of the Human Middle Ear in High Resolution with a Histological Microgrinding Method: A Feasibility Study and Comparison with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mtext mathvariant="bold">Î¼</mml:mtext></mml:mrow></mml:math>CT. International Journal of Otolaryngology, 2017, 2017, 1-9.	0.9	9
142	Case Report of a New Coupler for Round Window Application of an Active Middle Ear Implant. Otology and Neurotology, 2018, 39, e1060-e1063.	1.3	9
143	Influence of In Vitro Electrical Stimulation on Survival of Spiral Ganglion Neurons. Neurotoxicity Research, 2019, 36, 204-216.	2.7	9
144	Randomized placebo-controlled clinical trial investigating the effect of antioxidants and a vasodilator on overall safety and residual hearing preservation in cochlear implant patients. Trials, 2020, 21, 643.	1.6	9

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145	Hearing dysfunction in patients with Neuro-SjÃ¶gren: a cross-sectional study. Annals of Translational Medicine, 2020, 8, 1069-1069.	1.7	9
146	Hidden Electrode Failure in a Cochlear Implant User. Laryngoscope, 2021, 131, E1275-E1278.	2.0	9
147	Cochlear implantation improves hearing and vertigo in patients after removal of vestibular schwannoma. International Tinnitus Journal, 2017, 21, 2-6.	0.2	9
148	Individual Optimization of the Insertion of a Preformed Cochlear Implant Electrode Array. International Journal of Otolaryngology, 2015, 2015, 1-22.	0.9	8
149	Single Intravenous High Dose Administration of Prednisolone Has No Influence on Postoperative Impedances in the Majority of Cochlear Implant Patients. Otology and Neurotology, 2018, 39, e1002-e1009.	1.3	8
150	Clinical Use of Navigation in Lateral Skull Base Surgery: Results of a Multispecialty National Survey among Skull Base Surgeons in Germany. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, 545-553.	0.8	8
151	Level of sex hormones and their association with acetylsalicylic acid intolerance and nasal polyposis. PLoS ONE, 2020, 15, e0243732.	2.5	8
152	Facial nerve stimulation in cochlear implant users â€“ a matter of stimulus parameters?. Cochlear Implants International, 2022, 23, 165-172.	1.2	8
153	Dexamethasone for Inner Ear Therapy: Biocompatibility and Bio-Efficacy of Different Dexamethasone Formulations In Vitro. Biomolecules, 2021, 11, 1896.	4.0	8
154	Nanostructuring of cochlear implant electrode contacts induces delayed impedance increase in vivo. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1210-1215.	1.8	7
155	A novel biodegradable frontal sinus stent (MgNd2): a long-term animal study. European Archives of Oto-Rhino-Laryngology, 2016, 273, 1455-1467.	1.6	7
156	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. Cochlear Implants International, 2019, 20, 165-175.	1.2	7
157	Impedance Values Do Not Correlate With Speech Understanding in Cochlear Implant Recipients. Otology and Neurotology, 2020, 41, e1029-e1034.	1.3	7
158	Personalized Proteomics for Precision Diagnostics in Hearing Loss: Disease-Specific Analysis of Human Perilymph by Mass Spectrometry. ACS Omega, 2021, 6, 21241-21254.	3.5	7
159	Variations in microanatomy of the human modiolus require individualized cochlear implantation. Scientific Reports, 2022, 12, 5047.	3.3	7
160	Outer ear canal sound pressure and bone vibration measurement in SSD and CHL patients using a transcutaneous bone conduction instrument. Hearing Research, 2016, 340, 161-168.	2.0	6
161	Impact of the round window membrane accessibility on hearing preservation in adult cochlear implantation. European Archives of Oto-Rhino-Laryngology, 2017, 274, 3049-3056.	1.6	6
162	Direct Acoustic Cochlear Implants Lead to an Improved Speech Perception Gap Compared to Conventional Hearing Aid. Otology and Neurotology, 2018, 39, 1147-1152.	1.3	6

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163	Comparison of superelastic nitinol stapes prostheses and platin teflon stapes prostheses. European Archives of Oto-Rhino-Laryngology, 2019, 276, 2405-2409.	1.6	6
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