Athanasia Warnecke

List of Publications by Year
in descending order

92	1,549	304743 22	395702 33
papers	citations	h-index	g-index

99	99	99	1770
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression pattern of brain-derived neurotrophic factor and its associated receptors: Implications for exogenous neurotrophin application. Hearing Research, 2022, 413, 108098.	2.0	12
2	Editorial: 2nd International Symposium on Inner Ear Therapeutics. Hearing Research, 2022, 413, 108370.	2.0	1
3	A Window of Opportunity: Perilymph Sampling from the Round Window Membrane Can Advance Inner Ear Diagnostics and Therapeutics. Journal of Clinical Medicine, 2022, 11, 316.	2.4	4
4	Development of Neuronal Guidance Fibers for Stimulating Electrodes: Basic Construction and Delivery of a Growth Factor. Frontiers in Bioengineering and Biotechnology, 2022, 10, 776890.	4.1	2
5	Proteome profile of patients with excellent and poor speech intelligibility after cochlear implantation: Can perilymph proteins predict performance?. PLoS ONE, 2022, 17, e0263765.	2.5	1
6	Variations in microanatomy of the human modiolus require individualized cochlear implantation. Scientific Reports, 2022, 12, 5047.	3.3	7
7	Medical-Grade Silicone Rubberâ€“Hydrogel-Composites for Modiolar Hugging Cochlear Implants. Polymers, 2022, 14, 1766.	4.5	1
8	Bioinformatic Analysis of the Perilymph Proteome to Generate a Human Protein Atlas. Frontiers in Cell and Developmental Biology, 2022, 10, 847157.	3.7	2
9	Possibilities of Molecular Perilymph Diagnostics in Patients with Cochlea Implant Surgeries. Laryngo- Rhino- Otologie, 2022, , .	0.2	0
10	MicroRNA Profiling as a Methodology to Diagnose MÃ©niÃ¨reâ€™s Disease: Potential Application of Machine Learning. Otolaryngology - Head and Neck Surgery, 2021, 164, 399-406.	1.9	11
11	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
12	Potentiation of Brain-Derived Neurotrophic Factor-Induced Protection of Spiral Ganglion Neurons by C3 Exoenzyme/Rho Inhibitor. Frontiers in Cellular Neuroscience, 2021, 15, 602897.	3.7	1
13	Embryologie, Fehlbildungen und seltene Erkrankungen der Cochlea. Laryngo- Rhino- Otologie, 2021, 100, S1-S43.	0.2	4
14	Proteinanalyse humaner Perilymphe Proben mit dem Focus auf immunologische Aspekte. Laryngo- Rhino- Otologie, 2021, 100, .	0.2	0
15	Immunological findings based on protein analysis of human perilymph samples. Laryngo- Rhino- Otologie, 2021, 100, .	0.2	0
16	Evaluating Neurotrophin Signaling Using MicroRNA Perilymph Profiling in Cochlear Implant Patients With and Without Residual Hearing. Otology and Neurotology, 2021, Publish Ahead of Print, e1125-e1133.	1.3	6
17	Firstâ€inâ€human intracochlear application of human stromal cellâ€derived extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12094.	12.2	46
18	Probing interneuronal cell communication via optogenetic stimulation. Translational Biophotonics, 2021, 3, e202100002.	2.7	0

#	Article	IF	Citations
19	Distinct MicroRNA Profiles in the Perilymph and Serum of Patients With MeniÃ¨re's Disease. Frontiers in Neurology, 2021, 12, 646928.	2.4	10
20	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
21	Isolation of sensory hair cell specific exosomes in human perilymph. Neuroscience Letters, 2021, 764, 136282.	2.1	8
22	Successful Treatment of Noise-Induced Hearing Loss by Mesenchymal Stromal Cells: An RNAseq Analysis of Protective/Repair Pathways. Frontiers in Cellular Neuroscience, 2021, 15, 656930.	3.7	6
23	MicroRNA Profiling in the Perilymph of Cochlear Implant Patients: Identifying Markers that Correlate to Audiological Outcomes. Journal of the American Academy of Audiology, 2021, 32, 627-635.	0.7	1
24	Dimensions of artefacts caused by cochlear and auditory brainstem implants in magnetic resonance imaging. Cochlear Implants International, 2020, 21, 67-74.	1.2	5
25	Relations Between Scalar Shift and Insertion Depth in Human Cochlear Implantation. Otology and Neurotology, 2020, 41, 178-185.	1.3	9
26	Impedance Values Do Not Correlate With Speech Understanding in Cochlear Implant Recipients. Otology and Neurotology, 2020, 41, e1029-e1034.	1.3	7
27	The Neural Bases of Tinnitus: Lessons from Deafness and Cochlear Implants. Journal of Neuroscience, 2020, 40, 7190-7202.	3.6	65
28	Differential Effects of Low- and High-Dose Dexamethasone on Electrically Induced Damage of the Cultured Organ of Corti. Neurotoxicity Research, 2020, 38, 487-497.	2.7	2
29	Exploratory tympanotomy in sudden sensorineural hearing loss for the identification of a perilymphatic fistula â€“ retrospective analysis and review of the literature. Journal of Laryngology and Otology, 2020, 134, 501-508.	0.8	4
30	Challenges and advances in translating gene therapy for hearing disorders. Expert Review of Precision Medicine and Drug Development, 2020, 5, 23-34.	0.7	4
31	Endogenous Î±1â€antitrypsin levels in the perilymphatic fluid correlates with severity of hearing loss. Clinical Otolaryngology, 2020, 45, 495-499.	1.2	4
32	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
33	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
34	Level of sex hormones and their association with acetylsalicylic acid intolerance and nasal polyposis. PLoS ONE, 2020, 15, e0243732.	2.5	8
35	Pathophysiology of Common Hearing Disorders: Mechanisms and Repair Options. , 2020, , 53-62.		0
36	Gene therapy as a possible option to treat hereditary hearing loss. Medizinische Genetik, 2020, 32, 149-159.	0.2	2

#	Article	IF	Citations
37	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
38	Microarray-based screening system identifies temperature-controlled activity of Connexin 26 that is distorted by mutations. Scientific Reports, 2019, 9, 13543.	3.3	3
39	Scanning laser optical tomography in aÂneuropathic mouse model. Hno, 2019, 67, 69-76.	1.0	1
40	Influence of In Vitro Electrical Stimulation on Survival of Spiral Ganglion Neurons. Neurotoxicity Research, 2019, 36, 204-216.	2.7	9
41	Detection of BDNF-Related Proteins in Human Perilymph in Patients With Hearing Loss. Frontiers in Neuroscience, 2019, 13, 214.	2.8	13
42	Computational analysis based on audioprofiles: A new possibility for patient stratification in office-based otology. Audiology Research, 2019, 9, 230.	1.8	6
43	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
44	Hsp90: A Target for Susceptibilities and Substitutions in Biotechnological and Medicinal Application. Heat Shock Proteins, 2019, , 387-410.	0.2	0
45	The Noncompetitive Effect of Gambogic Acid Displaces Fluorescence-Labeled ATP but Requires ATP for Binding to Hsp90/HtpG. Biochemistry, 2018, 57, 2601-2605.	2.5	10
46	Biological Therapies of the Inner Ear: What Otologists Need to Consider. Otology and Neurotology, 2018, 39, 135-137.	1.3	13
47	Heat Shock Proteins in Human Perilymph: Implications for Cochlear Implantation. Otology and Neurotology, 2018, 39, 37-44.	1.3	34
48	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
49	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
50	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
51	Feasibility of microRNA profiling in human inner ear perilymph. NeuroReport, 2018, 29, 894-901.	1.2	33
52	Microenvironmental support for cell delivery to the inner ear. Hearing Research, 2018, 368, 109-122.	2.0	5
53	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
54	Objective and subjective assessment of outcomes after sinus surgery in sixty patients. Clinical Otolaryngology, 2017, 42, 1400-1403.	1.2	1

#	Article	IF	Citations
55	Advances in translational inner ear stem cell research. Hearing Research, 2017, 353, 76-86.	2.0	15
56	Biological therapies in otology. Hno, 2017, 65, 87-97.	1.0	7
57	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
58	Scanning laser optical tomography for in toto imaging of the murine cochlea. PLoS ONE, 2017, 12, e0175431.	2.5	16
59	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
60	Biohybrid cochlear implants in human neurosensory restoration. Stem Cell Research and Therapy, 2016, 7, 148.	5.5	39
61	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
62	Concurrent hyperbaric oxygen therapy and intratympanic steroid application as salvage therapy after severe sudden sensorineural hearing loss. Clinical Case Reports (discontinued), 2016, 4, 287-293.	0.5	8
63	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
64	Prevalence and audiological profiles of GJB2 mutations in a large collective of hearing impaired patients. Hearing Research, 2016, 333, 77-86.	2.0	16
65	Three-dimensional imaging of intracochlear tissue by scanning laser optical tomography (SLOT). , 2016, , .		1
66	Magnetic Beads Enhance Adhesion of NIH 3T3 Fibroblasts: A Proof-of-Principle In Vitro Study for Implant-Mediated Long-Term Drug Delivery to the Inner Ear. PLoS ONE, 2016, 11, e0150057.	2.5	4
67	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
68	Cochlear implantation in children with bacterial meningitic deafness: The influence of the degree of ossification and obliteration on impedance and charge of the implant. Cochlear Implants International, 2015, 16, 147-158.	1.2	33
69	Non-penetrating round window electrode stimulation for tinnitus therapy followed by cochlear implantation. European Archives of Oto-Rhino-Laryngology, 2015, 272, 3283-3293.	1.6	14
70	Highâ€frequency jet ventilation for endolaryngotracheal surgery â€“ chart review and procedure analysis from the surgeon's and the anaesthesiologist's point of view. Clinical Otolaryngology, 2015, 40, 341-348.	1.2	11
71	Establishment of an experimental system to study the influence of electrical field on cochlear structures. Neuroscience Letters, 2015, 599, 38-42.	2.1	7
72	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

#	Article	IF	Citations
73	Neuronal Survival, Morphology and Outgrowth of Spiral Ganglion Neurons Using a Defined Growth Factor Combination. PLoS ONE, 2015, 10, e0133680.	2.5	39
74	Inhibition of fibroblast adhesion by covalently immobilized protein repellent polymer coatings studied by single cell force spectroscopy. Journal of Biomedical Materials Research - Part A, 2014, 102, 117-127.	4.0	19
75	Optical cochlear implant: evaluation of insertion forces of optical fibres in a cochlear model and of traumata in human temporal bones. Biomedizinische Technik, 2014, 59, 19-28.	0.8	22
76	Phosphodiesterase Type 4 Inhibitor Rolipram Improves Survival of Spiral Ganglion Neurons In Vitro. PLoS ONE, 2014, 9, e92157.	2.5	18
77	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
78	Evaluation of singleâ€cell force spectroscopy and fluorescence microscopy to determine cell interactions with femtosecondâ€laser microstructured titanium surfaces. Journal of Biomedical Materials Research - Part A, 2013, 101A, 981-990.	4.0	12
79	Dissociated Neurons and Glial Cells Derived from Rat Inferior Colliculi after Digestion with Papain. PLoS ONE, 2013, 8, e80490.	2.5	19
80	Stable release of BDNF from the fibroblast cell line NIH3T3 grown on silicone elastomers enhances survival of spiral ganglion cells inÂvitro and inÂvivo. Hearing Research, 2012, 289, 86-97.	2.0	47
81	Directing neuronal cell growth on implant material surfaces by microstructuring. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 940-947.	3.4	27
82	Artemin improves survival of spiral ganglion neurons in vivo and in vitro. NeuroReport, 2010, 21, 517-521.	1.2	14
83	Effects of extracochlear gacyclidine perfusion on tinnitus in humans: a case series. European Archives of Oto-Rhino-Laryngology, 2010, 267, 691-699.	1.6	27
84	BDNF mRNA expression is significantly upregulated in vestibular schwannomas and correlates with proliferative activity. Journal of Neuro-Oncology, 2010, 98, 31-39.	2.9	16
85	Contact endoscopy for the evaluation of the pharyngeal and laryngeal mucosa. Laryngoscope, 2010, 120, 253-258.	2.0	27
86	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
87	Application of a stable-isotope dilution technique to study the pharmacokinetics of human 15N-labelled S-nitrosoalbumin in the rat: Possible mechanistic and biological implicationsâ˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 1375-1387.	2.3	18
88	Technical report: Laser microdissection and pressure catapulting is superior to conventional manual dissection for isolating pure spiral ganglion fractions from the cochlea. Hearing Research, 2008, 235, 8-14.	2.0	2
89	Neurite outgrowth on cultured spiral ganglion neurons induced by erythropoietin. Hearing Research, 2008, 243, 121-126.	2.0	39
90	Fibroblast-Mediated Delivery of GDNF Induces Neuronal-Like Outgrowth in PC12 Cells. Otology and Neurotology, 2008, 29, 475-481.	1.3	14

#	Article	IF	Citations
91	The biological effects of cell-delivered brain-derived neurotrophic factor on cultured spiral ganglion cells. NeuroReport, 2007, 18, 1683-1686.	1.2	35
92	Diagnostic Relevance of Î²2-Transferrin for the Detection of Cerebrospinal Fluid Fistulas. JAMA Otolaryngology, 2004, 130, 1178.	1.2	103