

# Athanasia Warnecke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2227918/publications.pdf>

Version: 2024-02-01

92  
papers

1,549  
citations

304743

22  
h-index

395702

33  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Relevance of $^{125}$ I-Transferrin for the Detection of Cerebrospinal Fluid Fistulas. <i>JAMA Otolaryngology</i> , 2004, 130, 1178.	1.2	103
2	Effects of delayed treatment with combined GDNF and continuous electrical stimulation on spiral ganglion cell survival in deafened guinea pigs. <i>Journal of Neuroscience Research</i> , 2009, 87, 1389-1399.	2.9	69
3	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.	1.3	68
4	The Neural Bases of Tinnitus: Lessons from Deafness and Cochlear Implants. <i>Journal of Neuroscience</i> , 2020, 40, 7190-7202.	3.6	65
5	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.	2.5	58
6	Stable release of BDNF from the fibroblast cell line NIH3T3 grown on silicone elastomers enhances survival of spiral ganglion cells in vitro and in vivo. <i>Hearing Research</i> , 2012, 289, 86-97.	2.0	47
7	First human intracochlear application of human stromal cell-derived extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12094.	12.2	46
8	Neurite outgrowth on cultured spiral ganglion neurons induced by erythropoietin. <i>Hearing Research</i> , 2008, 243, 121-126.	2.0	39
9	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
10	Biohybrid cochlear implants in human neurosensory restoration. <i>Stem Cell Research and Therapy</i> , 2016, 7, 148.	5.5	39
11	Neuronal Survival, Morphology and Outgrowth of Spiral Ganglion Neurons Using a Defined Growth Factor Combination. <i>PLoS ONE</i> , 2015, 10, e0133680.	2.5	39
12	The biological effects of cell-delivered brain-derived neurotrophic factor on cultured spiral ganglion cells. <i>NeuroReport</i> , 2007, 18, 1683-1686.	1.2	35
13	Heat Shock Proteins in Human Perilymph: Implications for Cochlear Implantation. <i>Otology and Neurotology</i> , 2018, 39, 37-44.	1.3	34
14	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.	1.3	34
15	Cochlear implantation in children with bacterial meningitic deafness: The influence of the degree of ossification and obliteration on impedance and charge of the implant. <i>Cochlear Implants International</i> , 2015, 16, 147-158.	1.2	33
16	Feasibility of microRNA profiling in human inner ear perilymph. <i>NeuroReport</i> , 2018, 29, 894-901.	1.2	33
17	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.	5.8	30
18	TGF-beta superfamily member activin A acts with BDNF and erythropoietin to improve survival of spiral ganglion neurons in vitro. <i>Neuropharmacology</i> , 2013, 75, 416-425.	4.1	29

#	ARTICLE	IF	CITATIONS
19	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.	4.0	28
20	Effects of extracochlear gacyclidine perfusion on tinnitus in humans: a case series. <i>European Archives of Oto-Rhino-Laryngology</i> , 2010, 267, 691-699.	1.6	27
21	Contact endoscopy for the evaluation of the pharyngeal and laryngeal mucosa. <i>Laryngoscope</i> , 2010, 120, 253-258.	2.0	27
22	Directing neuronal cell growth on implant material surfaces by microstructuring. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 940-947.	3.4	27
23	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.	2.4	24
24	Optical cochlear implant: evaluation of insertion forces of optical fibres in a cochlear model and of traumata in human temporal bones. <i>Biomedizinische Technik</i> , 2014, 59, 19-28.	0.8	22
25	Effect of hyperbaric oxygen on BDNF-release and neuroprotection: Investigations with human mesenchymal stem cells and genetically modified NIH3T3 fibroblasts as putative cell therapeutics. <i>PLoS ONE</i> , 2017, 12, e0178182.	2.5	20
26	Inhibition of fibroblast adhesion by covalently immobilized protein repellent polymer coatings studied by single cell force spectroscopy. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 117-127.	4.0	19
27	Dissociated Neurons and Glial Cells Derived from Rat Inferior Colliculi after Digestion with Papain. <i>PLoS ONE</i> , 2013, 8, e80490.	2.5	19
28	Application of a stable-isotope dilution technique to study the pharmacokinetics of human <sup>15</sup> N-labelled S-nitrosoalbumin in the rat: Possible mechanistic and biological implications†. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1375-1387.	2.3	18
29	Phosphodiesterase Type 4 Inhibitor Rolipram Improves Survival of Spiral Ganglion Neurons In Vitro. <i>PLoS ONE</i> , 2014, 9, e92157.	2.5	18
30	BDNF mRNA expression is significantly upregulated in vestibular schwannomas and correlates with proliferative activity. <i>Journal of Neuro-Oncology</i> , 2010, 98, 31-39.	2.9	16
31	Prevalence and audiological profiles of GJB2 mutations in a large collective of hearing impaired patients. <i>Hearing Research</i> , 2016, 333, 77-86.	2.0	16
32	Polymer Coatings of Cochlear Implant Electrode Surface – An Option for Improving Electrode-Nerve-Interface by Blocking Fibroblast Overgrowth. <i>PLoS ONE</i> , 2016, 11, e0157710.	2.5	16
33	Scanning laser optical tomography for in toto imaging of the murine cochlea. <i>PLoS ONE</i> , 2017, 12, e0175431.	2.5	16
34	Advances in translational inner ear stem cell research. <i>Hearing Research</i> , 2017, 353, 76-86.	2.0	15
35	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.	2.4	15
36	Fibroblast-Mediated Delivery of GDNF Induces Neuronal-Like Outgrowth in PC12 Cells. <i>Otology and Neurotology</i> , 2008, 29, 475-481.	1.3	14

#	ARTICLE	IF	CITATIONS
37	Artemin improves survival of spiral ganglion neurons in vivo and in vitro. <i>NeuroReport</i> , 2010, 21, 517-521.	1.2	14
38	Non-penetrating round window electrode stimulation for tinnitus therapy followed by cochlear implantation. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015, 272, 3283-3293.	1.6	14
39	Coatings of Different Carbon Nanotubes on Platinum Electrodes for Neuronal Devices: Preparation, Cytocompatibility and Interaction with Spiral Ganglion Cells. <i>PLoS ONE</i> , 2016, 11, e0158571.	2.5	14
40	Grid-like surface structures in thermoplastic polyurethane induce anti-inflammatory and anti-fibrotic processes in bone marrow-derived mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 104-115.	5.0	13
41	Biological Therapies of the Inner Ear: What Otolologists Need to Consider. <i>Otology and Neurotology</i> , 2018, 39, 135-137.	1.3	13
42	Detection of BDNF-Related Proteins in Human Perilymph in Patients With Hearing Loss. <i>Frontiers in Neuroscience</i> , 2019, 13, 214.	2.8	13
43	Evaluation of single-cell force spectroscopy and fluorescence microscopy to determine cell interactions with femtosecond-laser microstructured titanium surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 981-990.	4.0	12
44	Expression pattern of brain-derived neurotrophic factor and its associated receptors: Implications for exogenous neurotrophin application. <i>Hearing Research</i> , 2022, 413, 108098.	2.0	12
45	High-frequency jet ventilation for endolaryngotracheal surgery – chart review and procedure analysis from the surgeon's and the anaesthesiologist's point of view. <i>Clinical Otolaryngology</i> , 2015, 40, 341-348.	1.2	11
46	MicroRNA Profiling as a Methodology to Diagnose Menière's Disease: Potential Application of Machine Learning. <i>Otolaryngology - Head and Neck Surgery</i> , 2021, 164, 399-406.	1.9	11
47	Induction of neuronal-like phenotype in human mesenchymal stem cells by overexpression of Neurogenin1 and treatment with neurotrophins. <i>Tissue and Cell</i> , 2016, 48, 524-532.	2.2	10
48	The Noncompetitive Effect of Gambogic Acid Displaces Fluorescence-Labeled ATP but Requires ATP for Binding to Hsp90/HtpG. <i>Biochemistry</i> , 2018, 57, 2601-2605.	2.5	10
49	Human Plasma Rich in Growth Factors Improves Survival and Neurite Outgrowth of Spiral Ganglion Neurons <i>In Vitro</i> . <i>Tissue Engineering - Part A</i> , 2018, 24, 493-501.	3.1	10
50	Distinct MicroRNA Profiles in the Perilymph and Serum of Patients With Menière's Disease. <i>Frontiers in Neurology</i> , 2021, 12, 646928.	2.4	10
51	Influence of In Vitro Electrical Stimulation on Survival of Spiral Ganglion Neurons. <i>Neurotoxicity Research</i> , 2019, 36, 204-216.	2.7	9
52	Relations Between Scalar Shift and Insertion Depth in Human Cochlear Implantation. <i>Otology and Neurotology</i> , 2020, 41, 178-185.	1.3	9
53	Concurrent hyperbaric oxygen therapy and intratympanic steroid application as salvage therapy after severe sudden sensorineural hearing loss. <i>Clinical Case Reports (discontinued)</i> , 2016, 4, 287-293.	0.5	8
54	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.	1.3	8

#	ARTICLE	IF	CITATIONS
55	Level of sex hormones and their association with acetylsalicylic acid intolerance and nasal polyposis. PLoS ONE, 2020, 15, e0243732.	2.5	8
56	Isolation of sensory hair cell specific exosomes in human perilymph. Neuroscience Letters, 2021, 764, 136282.	2.1	8
57	Establishment of an experimental system to study the influence of electrical field on cochlear structures. Neuroscience Letters, 2015, 599, 38-42.	2.1	7
58	Biological therapies in otology. Hno, 2017, 65, 87-97.	1.0	7
59	Impedance Values Do Not Correlate With Speech Understanding in Cochlear Implant Recipients. Otology and Neurotology, 2020, 41, e1029-e1034.	1.3	7
60	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
61	Variations in microanatomy of the human modiolus require individualized cochlear implantation. Scientific Reports, 2022, 12, 5047.	3.3	7
62	Computational analysis based on audioprofiles: A new possibility for patient stratification in office-based otology. Audiology Research, 2019, 9, 230.	1.8	6
63	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
64	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
65	Microenvironmental support for cell delivery to the inner ear. Hearing Research, 2018, 368, 109-122.	2.0	5
66	Dimensions of artefacts caused by cochlear and auditory brainstem implants in magnetic resonance imaging. Cochlear Implants International, 2020, 21, 67-74.	1.2	5
67	Exploratory tympanotomy in sudden sensorineural hearing loss for the identification of a perilymphatic fistula – retrospective analysis and review of the literature. Journal of Laryngology and Otology, 2020, 134, 501-508.	0.8	4
68	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
69	Endogenous $\alpha$ -antitrypsin levels in the perilymphatic fluid correlates with severity of hearing loss. Clinical Otolaryngology, 2020, 45, 495-499.	1.2	4
70	Embryologie, Fehlbildungen und seltene Erkrankungen der Cochlea. Laryngo- Rhino- Otologie, 2021, 100, S1-S43.	0.2	4
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Microarray-based screening system identifies temperature-controlled activity of Connexin 26 that is distorted by mutations. <i>Scientific Reports</i> , 2019, 9, 13543.	3.3	3
74	Technical report: Laser microdissection and pressure catapulting is superior to conventional manual dissection for isolating pure spiral ganglion fractions from the cochlea. <i>Hearing Research</i> , 2008, 235, 8-14.	2.0	2
75	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.	2.7	2
76	Gene therapy as a possible option to treat hereditary hearing loss. <i>Medizinische Genetik</i> , 2020, 32, 149-159.	0.2	2
77	Development of Neuronal Guidance Fibers for Stimulating Electrodes: Basic Construction and Delivery of a Growth Factor. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 776890.	4.1	2
78	Bioinformatic Analysis of the Perilymph Proteome to Generate a Human Protein Atlas. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 847157.	3.7	2
79	Three-dimensional imaging of intracochlear tissue by scanning laser optical tomography (SLOT)., 2016, , .		1
80	Objective and subjective assessment of outcomes after sinus surgery in sixty patients. <i>Clinical Otolaryngology</i> , 2017, 42, 1400-1403.	1.2	1
81	Scanning laser optical tomography in a neuropathic mouse model. <i>Hno</i> , 2019, 67, 69-76.	1.0	1
82	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.	3.7	1
83	Editorial: 2nd International Symposium on Inner Ear Therapeutics. <i>Hearing Research</i> , 2022, 413, 108370.	2.0	1
84	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.	2.5	1
85	Medical-Grade Silicone Rubber-Hydrogel-Composites for Modiolar Hugging Cochlear Implants. <i>Polymers</i> , 2022, 14, 1766.	4.5	1
86	MicroRNA Profiling in the Perilymph of Cochlear Implant Patients: Identifying Markers that Correlate to Audiological Outcomes. <i>Journal of the American Academy of Audiology</i> , 2021, 32, 627-635.	0.7	1
87	Proteinanalyse humaner Perilymphe Proben mit dem Focus auf immunologische Aspekte. <i>Laryngo-Rhino- Otologie</i> , 2021, 100, .	0.2	0
88	Immunological findings based on protein analysis of human perilymph samples. <i>Laryngo- Rhino- Otologie</i> , 2021, 100, .	0.2	0
89	Probing interneuronal cell communication via optogenetic stimulation. <i>Translational Biophotonics</i> , 2021, 3, e202100002.	2.7	0
90	Hsp90: A Target for Susceptibilities and Substitutions in Biotechnological and Medicinal Application. <i>Heat Shock Proteins</i> , 2019, , 387-410.	0.2	0

#	ARTICLE	IF	CITATIONS
91	Pathophysiology of Common Hearing Disorders: Mechanisms and Repair Options. , 2020, , 53-62.		0
92	Possibilities of Molecular Perilymph Diagnostics in Patients with Cochlea Implant Surgeries. Laryngo-Rhino- Otologie, 2022, , .	0.2	0