Helge Rask-Andersen

List of Publications by Year
in descending order

82	1,904	279798 23	302126 39
papers	citations	h-index	g-index

85	85	85	1796
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regeneration of human auditory nerve. In vitro/in video demonstration of neural progenitor cells in adult human and guinea pig spiral ganglion. Hearing Research, 2005, 203, 180-191.	2.0	154
2	High resolution deletion analysis of constitutional DNA from neurofibromatosis type 2 (NF2) patients using microarray-CGH. Human Molecular Genetics, 2001, 10, 271-282.	2.9	147
3	Human Cochlea: Anatomical Characteristics and their Relevance for Cochlear Implantation. Anatomical Record, 2012, 295, 1791-1811.	1.4	133
4	Perilymph/Modiolar Communication Routes in the Human Cochlea. Ear and Hearing, 2006, 27, 457-465.	2.1	76
5	Macrophages in the Human Cochlea: Saviors or Predatorsâ€"A Study Using Super-Resolution Immunohistochemistry. Frontiers in Immunology, 2018, 9, 223.	4.8	75
6	The Human â€œCochlear Batteryâ€•â€“ Claudin-11 Barrier and Ion Transport Proteins in the Lateral Wall of the Cochlea. Frontiers in Molecular Neuroscience, 2017, 10, 239.	2.9	64
7	Cochlear implantation and hearing preservation: Results in 21 consecutively operated patients using the round window approach. Acta Oto-Laryngologica, 2012, 132, 923-931.	0.9	53
8	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
9	The Human Endolymphatic Sac and Inner Ear Immunity: Macrophage Interaction and Molecular Expression. Frontiers in Immunology, 2018, 9, 3181.	4.8	43
10	Three-dimensional tonotopic mapping of the human cochlea based on synchrotron radiation phase-contrast imaging. Scientific Reports, 2021, 11, 4437.	3.3	38
11	High resolution scanning electron microscopy of the human organ of Corti.. Hearing Research, 2005, 199, 40-56.	2.0	37
12	Possible role of gap junction intercellular channels and connexin 43 in satellite glial cells (SGCs) for preservation of human spiral ganglion neurons. Cell and Tissue Research, 2014, 355, 267-278.	2.9	37
13	Two are Better than One: Combining ZnO and MgF₂ Nanoparticles Reduces Streptococcus pneumoniae and Staphylococcus aureus Biofilm Formation on Cochlear Implants. Advanced Functional Materials, 2016, 26, 2473-2481.	14.9	36
14	Biofunctionalized peptide-based hydrogels provide permissive scaffolds to attract neurite outgrowth from spiral ganglion neurons. Colloids and Surfaces B: Biointerfaces, 2017, 149, 105-114.	5.0	35
15	Synchrotron Radiation-Based Reconstruction of the Human Spiral Ganglion: Implications for Cochlear Implantation. Ear and Hearing, 2020, 41, 173-181.	2.1	35
16	Synapses on human spiral ganglion cells: a transmission electron microscopy and immunohistochemical study. Hearing Research, 2000, 141, 1-11.	2.0	34
17	Super-resolution structured illumination fluorescence microscopy of the lateral wall of the cochlea: the Connexin26/30 proteins are separately expressed in man. Cell and Tissue Research, 2016, 365, 13-27.	2.9	34
18	Co-localisation of Kir4.1 and AQP4 in rat and human cochleae reveals a gap in water channel expression at the transduction sites of endocochlear K+ recycling routes. Cell and Tissue Research, 2012, 350, 27-43.	2.9	33

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19	The proteome of perilymph in patients with vestibular schwannoma. A possibility to identify biomarkers for tumor associated hearing loss?. PLoS ONE, 2018, 13, e0198442.	2.5	29
20	A 3-D model of membrane specializations between human auditory spiral ganglion cells. Journal of Neurocytology, 2001, 30, 465-473.	1.5	28
21	Strategy towards independent electrical stimulation from cochlear implants: Guided auditory neuron growth on topographically modified nanocrystalline diamond. Acta Biomaterialia, 2016, 31, 211-220.	8.3	27
22	Anatomical Characteristics of Facial Nerve and Cochlea Interaction. Audiology and Neuro-Otology, 2017, 22, 41-49.	1.3	27
23	Human endolymphatic sac: possible mechanisms of pressure regulation. Journal of Laryngology and Otology, 1987, 101, 768-779.	0.8	25
24	Anatomy of the human cochlea â€“ implications for cochlear implantation. Cochlear Implants International, 2011, 12, S13-S8.	1.2	25
25	Guided growth of auditory neurons: Bioactive particles towards gapless neural â€“ electrode interface. Biomaterials, 2017, 122, 1-9.	11.4	25
26	Molecular composition and distribution of gap junctions in the sensory epithelium of the human cochleaâ€”a super-resolution structured illumination microscopy (SR-SIM) study. Upsala Journal of Medical Sciences, 2017, 122, 160-170.	0.9	25
27	Human inner ear blood supply revisited: the Uppsala collection of temporal boneâ€”an international resource of education and collaboration. Upsala Journal of Medical Sciences, 2018, 123, 131-142.	0.9	25
28	Characterization of the human helicotrema: implications for cochlear duct length and frequency mapping. Journal of Otolaryngology - Head and Neck Surgery, 2020, 49, 2.	1.9	25
29	Expression of myelin basic protein in the human auditory nerveâ€”An immunohistochemical and comparative study. Auris Nasus Larynx, 2012, 39, 18-24.	1.2	23
30	Prognostic value of electrically evoked auditory brainstem responses in cochlear implantation. Cochlear Implants International, 2015, 16, 254-261.	1.2	23
31	Nerve fibre interaction with large ganglion cells in the human spiral ganglion. Auris Nasus Larynx, 1997, 24, 1-11.	1.2	21
32	Effects of Various Trajectories on Tissue Preservation in Cochlear Implant Surgery: A Micro-Computed Tomography and Synchrotron Radiation Phase-Contrast Imaging Study. Ear and Hearing, 2019, 40, 393-400.	2.1	19
33	Development of the innervation of the human inner ear. Developmental Neurobiology, 2015, 75, 683-702.	3.0	18
34	Cochlear Changes Following Destruction of Semicircular Canal in Healthy and Previously Toxin-exposed Rats: An Electrophysiological and Morphological Investigation. Acta Oto-Laryngologica, 1997, 117, 681-688.	0.9	16
35	The secondary spiral lamina and its relevance in cochlear implant surgery. Upsala Journal of Medical Sciences, 2018, 123, 9-18.	0.9	16
36	Growth and cellular patterning during fetal human inner ear development studied by a correlative imaging approach. BMC Developmental Biology, 2019, 19, 11.	2.1	16

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37	A combined genome-wide association and molecular study of age-related hearing loss in H. sapiens. BMC Medicine, 2021, 19, 302.	5.5	16
38	Scanning Electron Microscopic Examination of the Extracellular Matrix in the Decellularized Mouse and Human Cochlea. JARO - Journal of the Association for Research in Otolaryngology, 2016, 17, 159-171.	1.8	15
39	Supernumerary human hair cellsâ€"signs of regeneration or impaired development? A field emission scanning electron microscopy study. Upsala Journal of Medical Sciences, 2017, 122, 11-19.	0.9	15
40	Expression of trans-membrane serine protease 3 (TMPRSS3) in the human organ of Corti. Cell and Tissue Research, 2018, 372, 445-456.	2.9	15
41	Vascular Supply of the Human Spiral Ganglion: Novel Three-Dimensional Analysis Using Synchrotron Phase-Contrast Imaging and Histology. Scientific Reports, 2020, 10, 5877.	3.3	15
42	Distribution of Immune Cells Including Macrophages in the Human Cochlea. Frontiers in Neurology, 2021, 12, 781702.	2.4	15
43	Human Inner Ear Immune Activity: A Super-Resolution Immunohistochemistry Study. Frontiers in Neurology, 2019, 10, 728.	2.4	14
44	The effect of pulsed electric fields on the electrotactic migration of human neural progenitor cells through the involvement of intracellular calcium signaling. Brain Research, 2016, 1652, 195-203.	2.2	13
45	Expression of Na/K-ATPase subunits in the human cochlea: a confocal and super-resolution microscopy study with special reference to auditory nerve excitation and cochlear implantation. Upsala Journal of Medical Sciences, 2019, 124, 168-179.	0.9	13
46	A Synchrotron and Micro-CT Study of the Human Endolymphatic Duct System: Is Meniere's Disease Caused by an Acute Endolymph Backflow?. Frontiers in Surgery, 2021, 8, 662530.	1.4	13
47	Neurosensory Differentiation and Innervation Patterning in the Human Fetal Vestibular End Organs between the Gestational Weeks 8â€"12. Frontiers in Neuroanatomy, 2016, 10, 111.	1.7	12
48	The inferior cochlear vein: surgical aspects in cochlear implantation. European Archives of Oto-Rhino-Laryngology, 2016, 273, 355-361.	1.6	12
49	Self-reported benefit, sound perception, and quality-of-life in patients with auditory brainstem implants (ABIs). Acta Oto-Laryngologica, 2016, 136, 62-67.	0.9	12
50	Female mice lacking Pald1 exhibit endothelial cell apoptosis and emphysema. Scientific Reports, 2017, 7, 15453.	3.3	12
51	Super-resolution immunohistochemistry study on CD4 and CD8 cells and the relation to macrophages in human cochlea. Journal of Otology, 2019, 14, 1-5.	1.0	12
52	Early appearance of key transcription factors influence the spatiotemporal development of the human inner ear. Cell and Tissue Research, 2020, 379, 459-471.	2.9	11
53	Experiences from Auditory Brainstem Implantation (ABIs) in four paediatric patients. Cochlear Implants International, 2016, 17, 109-115.	1.2	10
54	Threeâ€dimensional imaging of the human internal acoustic canal and arachnoid cistern: a synchrotron study with clinical implications. Journal of Anatomy, 2019, 234, 316-326.	1.5	10

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55	Peri-operative electrically evoked auditory brainstem response assessment of facial nerve/cochlea interaction at cochlear implantation. Cochlear Implants International, 2018, 19, 324-329.	1.2	9
56	A Micro-CT and Synchrotron Imaging Study of the Human Endolymphatic Duct with Special Reference to Endolymph Outflow and Meniereâ€™s Disease. Scientific Reports, 2020, 10, 8295.	3.3	9
57	HCN channels in the mammalian cochlea: Expression pattern, subcellular location, and ageâ€dependent changes. Journal of Neuroscience Research, 2021, 99, 699-728.	2.9	9
58	Auditory nerve preservation and regeneration in man: relevance for cochlear implantation. Neural Regeneration Research, 2015, 10, 710.	3.0	9
59	Special Anatomic Considerations in Otosclerosis Surgery. Otolaryngologic Clinics of North America, 2018, 51, 357-374.	1.1	8
60	â€œReversed polarizationâ€•of Na/K-ATPaseâ€”a sign of inverted transport in the human endolymphatic sac: a super-resolution structured illumination microscopy (SR-SIM) study. Cell and Tissue Research, 2020, 379, 445-457.	2.9	8
61	Age-Dependency of Neurite Outgrowth in Postnatal Mouse Cochlear Spiral Ganglion Explants. Brain Sciences, 2020, 10, 580.	2.3	8
62	Human cochlear microanatomy â€“ an electron microscopy and super-resolution structured illumination study and review. Hearing, Balance and Communication, 2020, 18, 256-269.	0.4	8
63	Immunolocalization of prestin in the human cochlea. Audiological Medicine, 2010, 8, 56-62.	0.4	7
64	Three-Dimensional Analysis of the Fundus of the Human Internal Acoustic Canal. Ear and Hearing, 2018, 39, 563-572.	2.1	7
65	Na/K-ATPase Gene Expression in the Human Cochlea: A Study Using mRNA in situ Hybridization and Super-Resolution Structured Illumination Microscopy. Frontiers in Molecular Neuroscience, 2022, 15, 857216.	2.9	7
66	Effects of Hyperosmolar Substances on the Endolymphatic Sac. Acta Oto-Laryngologica, 1989, 108, 49-52.	0.9	6
67	Vestibular Organ and Cochlear Implantationâ€“A Synchrotron and Micro-CT Study. Frontiers in Neurology, 2021, 12, 663722.	2.4	6
68	The proteome of the human endolymphatic sac endolymph. Scientific Reports, 2021, 11, 11850.	3.3	5
69	The surface morphology of the endolymphatic sac of the Mongolian gerbil (Meriones unguiculatus) (A scanning electron microscopic study). Journal of Laryngology and Otology, 1988, 102, 308-313.	0.8	4
70	Auditory Epidermal Cell Migration. VII. Antigen Expression of Proliferating Cell Nuclear Antigens, PCNA and Ki-67 in Human Tympanic Membrane and External Auditory Canal. Acta Oto-Laryngologica, 1997, 117, 100-108.	0.9	4
71	Immunohistological analysis of neurturin and its receptors in human cochlea. Auris Nasus Larynx, 2014, 41, 172-178.	1.2	4
72	Spike Generators and Cell Signaling in the Human Auditory Nerve: An Ultrastructural, Super-Resolution, and Gene Hybridization Study. Frontiers in Cellular Neuroscience, 2021, 15, 642211.	3.7	4

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73	A Freeze-fracture Study of Receptor Axons and Schwann Cells in the Human Olfactory Mucosa. Acta Oto-Laryngologica, 1986, 102, 494-499.	0.9	3
74	Molecular organization and fine structure of the human tectorial membrane: is it replenished?. Cell and Tissue Research, 2015, 362, 513-527.	2.9	3
75	Transcription and microRNA Profiling of Cultured Human Tympanic Membrane Epidermal Keratinocytes. JARO - Journal of the Association for Research in Otolaryngology, 2018, 19, 243-260.	1.8	3
76	Cochlear implantation and residual hearing preservation long-term follow-up of the first consecutively operated patients using the round window approach in Uppsala, Sweden. Cochlear Implants International, 2020, 21, 246-259.	1.2	3
77	The Acute Effects of Furosemide on Na-K-Cl Cotransporter-1, Fetuin-A and Pigment Epithelium-Derived Factor in the Guinea Pig Cochlea. Frontiers in Molecular Neuroscience, 2022, 15, 842132.	2.9	3
78	Effects of mechanical trauma to the human tympanic membrane: an experimental study using transmission electron microscopy. Acta Oto-Laryngologica, 2017, 137, 928-934.	0.9	2
79	The Variational Anatomy of the Human Endolymphatic Sac. Acta Oto-Laryngologica, 1988, 105, 187-189.	0.9	1
80	Re-implantation of an auditory brainstem implant (ABI) in a child: A case report. Acta Oto-Laryngologica Case Reports, 2017, 2, 119-124.	0.2	1
81	Regeneration in the Auditory Organ in Cuban and African Dwarf Crocodiles (Crocodylus rhombifer) Tj ETQq1 1 0.784314 rgBT /Overlock in Cell and Developmental Biology, 0, 10, .	3.7	1
82	Aeration of the Human Prussak's Space: A 3D Synchrotron Imaging Study. Otology and Neurotology, 2021, 42, e894-e904.	1.3	0