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	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
2	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
3	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
4	Three-dimensional tonotopic mapping of the human cochlea based on synchrotron radiation phase-contrast imaging. Scientific Reports, 2021, 11, 4437.	3.3	38
5	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
6	Vestibular Organ and Cochlear Implantationâ€“A Synchrotron and Micro-CT Study. Frontiers in Neurology, 2021, 12, 663722.	2.4	6
7	Aeration of the Human Prussak's Space: A 3D Synchrotron Imaging Study. Otology and Neurotology, 2021, 42, e894-e904.	1.3	0
8	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
9	The proteome of the human endolymphatic sac endolymph. Scientific Reports, 2021, 11, 11850.	3.3	5
10	Distribution of Immune Cells Including Macrophages in the Human Cochlea. Frontiers in Neurology, 2021, 12, 781702.	2.4	15
11	A combined genome-wide association and molecular study of age-related hearing loss in H. sapiens. BMC Medicine, 2021, 19, 302.	5.5	16
12	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
13	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
14	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
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	Age-Dependency of Neurite Outgrowth in Postnatal Mouse Cochlear Spiral Ganglion Explants. Brain Sciences, 2020, 10, 580.	2.3	8
17	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
18	A Micro-CT and Synchrotron Imaging Study of the Human Endolymphatic Duct with Special Reference to Endolymph Outflow and Menieréâ€™s Disease. Scientific Reports, 2020, 10, 8295.	3.3	9

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19	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
20	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
21	Human Inner Ear Immune Activity: A Super-Resolution Immunohistochemistry Study. Frontiers in Neurology, 2019, 10, 728.	2.4	14
22	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
23	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
24	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
25	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
26	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
27	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
28	Special Anatomic Considerations in Otosclerosis Surgery. Otolaryngologic Clinics of North America, 2018, 51, 357-374.	1.1	8
29	The secondary spiral lamina and its relevance in cochlear implant surgery. Upsala Journal of Medical Sciences, 2018, 123, 9-18.	0.9	16
30	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
31	Three-Dimensional Analysis of the Fundus of the Human Internal Acoustic Canal. Ear and Hearing, 2018, 39, 563-572.	2.1	7
32	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
33	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
34	Macrophages in the Human Cochlea: Saviors or Predatorsâ€"A Study Using Super-Resolution Immunohistochemistry. Frontiers in Immunology, 2018, 9, 223.	4.8	75
35	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
36	The Human Endolymphatic Sac and Inner Ear Immunity: Macrophage Interaction and Molecular Expression. Frontiers in Immunology, 2018, 9, 3181.	4.8	43

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37	Guided growth of auditory neurons: Bioactive particles towards gapless neural â€“ electrode interface. Biomaterials, 2017, 122, 1-9.	11.4	25
38	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
39	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
40	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
41	Anatomical Characteristics of Facial Nerve and Cochlea Interaction. Audiology and Neuro-Otology, 2017, 22, 41-49.	1.3	27
42	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
43	Female mice lacking Pald1 exhibit endothelial cell apoptosis and emphysema. Scientific Reports, 2017, 7, 15453.	3.3	12
44	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
45	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
46	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
47	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
48	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
49	Experiences from Auditory Brainstem Implantation (ABIs) in four paediatric patients. Cochlear Implants International, 2016, 17, 109-115.	1.2	10
50	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
51	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
52	The inferior cochlear vein: surgical aspects in cochlear implantation. European Archives of Oto-Rhino-Laryngology, 2016, 273, 355-361.	1.6	12
53	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
54	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

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55	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
56	Development of the innervation of the human inner ear. Developmental Neurobiology, 2015, 75, 683-702.	3.0	18
57	Prognostic value of electrically evoked auditory brainstem responses in cochlear implantation. Cochlear Implants International, 2015, 16, 254-261.	1.2	23
58	Molecular organization and fine structure of the human tectorial membrane: is it replenished?. Cell and Tissue Research, 2015, 362, 513-527.	2.9	3
59	Auditory nerve preservation and regeneration in man: relevance for cochlear implantation. Neural Regeneration Research, 2015, 10, 710.	3.0	9
60	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
61	Immunohistological analysis of neurturin and its receptors in human cochlea. Auris Nasus Larynx, 2014, 41, 172-178.	1.2	4
62	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
63	Human Cochlea: Anatomical Characteristics and their Relevance for Cochlear Implantation. Anatomical Record, 2012, 295, 1791-1811.	1.4	133
64	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
65	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
66	Anatomy of the human cochlea â€“ implications for cochlear implantation. Cochlear Implants International, 2011, 12, S13-S8.	1.2	25
67	Immunolocalization of prestin in the human cochlea. Audiological Medicine, 2010, 8, 56-62.	0.4	7
68	Perilymph/Modiolar Communication Routes in the Human Cochlea. Ear and Hearing, 2006, 27, 457-465.	2.1	76
69	High resolution scanning electron microscopy of the human organ of Corti.. Hearing Research, 2005, 199, 40-56.	2.0	37
70	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
71	A 3-D model of membrane specializations between human auditory spiral ganglion cells. Journal of Neurocytology, 2001, 30, 465-473.	1.5	28
72	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

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73	Synapses on human spiral ganglion cells: a transmission electron microscopy and immunohistochemical study. Hearing Research, 2000, 141, 1-11.	2.0	34
74	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
75	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
76	Nerve fibre interaction with large ganglion cells in the human spiral ganglion. Auris Nasus Larynx, 1997, 24, 1-11.	1.2	21
77	Effects of Hyperosmolar Substances on the Endolymphatic Sac. Acta Oto-Laryngologica, 1989, 108, 49-52.	0.9	6
78	The Variational Anatomy of the Human Endolymphatic Sac. Acta Oto-Laryngologica, 1988, 105, 187-189.	0.9	1
79	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
80	Human endolymphatic sac: possible mechanisms of pressure regulation. Journal of Laryngology and Otology, 1987, 101, 768-779.	0.8	25
81	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
82	Regeneration in the Auditory Organ in Cuban and African Dwarf Crocodiles (Crocodylus rhombifer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 in Cell and Developmental Biology, 0, 10, .	3.7	1