Rudolf Glueckert

List of Publications by Year
in descending order

54	1,335	394421 19	377865 34
papers	citations	h-index	g-index

56	56	56	1396
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human Cochlea: Anatomical Characteristics and their Relevance for Cochlear Implantation. Anatomical Record, 2012, 295, 1791-1811.	1.4	133
2	Deafferentiationâ€associated changes in afferent and efferent processes in the guinea pig cochlea and afferent regeneration with chronic intrascalar brainâ€derived neurotrophic factor and acidic fibroblast growth factor. Journal of Comparative Neurology, 2008, 507, 1602-1621.	1.6	130
3	Cell-specific targeting in the mouse inner ear using nanoparticles conjugated with a neurotrophin-derived peptide ligand: Potential tool for drug delivery. International Journal of Pharmaceutics, 2010, 390, 214-224.	5.2	88
4	The Human Spiral Ganglion: New Insights into Ultrastructure, Survival Rate and Implications for Cochlear Implants. Audiology and Neuro-Otology, 2005, 10, 258-273.	1.3	79
5	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
6	Impact of Morphometry, Myelinization and Synaptic Current Strength on Spike Conduction in Human and Cat Spiral Ganglion Neurons. PLoS ONE, 2013, 8, e79256.	2.5	57
7	Anatomical basis of drug delivery to the inner ear. Hearing Research, 2018, 368, 10-27.	2.0	54
8	The pre- and post-somatic segments of the human type I spiral ganglion neurons â€“ Structural and functional considerations related to cochlear implantation. Neuroscience, 2015, 284, 470-482.	2.3	43
9	High resolution scanning electron microscopy of the human organ of Corti.. Hearing Research, 2005, 199, 40-56.	2.0	37
10	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
11	Histology and synchrotron radiationâ€based microtomography of the inner ear in a molecularly confirmed case of CHARGE syndrome. American Journal of Medical Genetics, Part A, 2010, 152A, 665-673.	1.2	34
12	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
13	An Overview of Nanoparticle Based Delivery for Treatment of Inner Ear Disorders. Methods in Molecular Biology, 2016, 1427, 363-415.	0.9	31
14	Visualization of the Membranous Labyrinth and Nerve Fiber Pathways in Human and Animal Inner Ears Using MicroCT Imaging. Frontiers in Neuroscience, 2018, 12, 501.	2.8	30
15	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
16	Nanoparticle mediated drug delivery of rolipram to tyrosine kinase B positive cells in the inner ear with targeting peptides and agonistic antibodies. Frontiers in Aging Neuroscience, 2015, 7, 71.	3.4	24
17	Analysis of Vestibular Labyrinthine Geometry and Variation in the Human Temporal Bone. Frontiers in Neuroscience, 2018, 12, 107.	2.8	24
18	Nerve Growth Factor (NGF)â€”Receptor Survival Axis in Head and Neck Squamous Cell Carcinoma. International Journal of Molecular Sciences, 2018, 19, 1771.	4.1	23

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19	Activation of TrkB receptors by NGFÎ² mimetic peptide conjugated polymersome nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 271-274.	3.3	20
20	Morphometric classification and spatial organization of spiral ganglion neurons in the human cochlea: Consequences for single fiber response to electrical stimulation. Neuroscience, 2012, 214, 120-135.	2.3	19
21	Distribution of P75 neurotrophin receptor in adult human cochleaâ€"an immunohistochemical study. Cell and Tissue Research, 2012, 348, 407-415.	2.9	19
22	Structure and locomotion of adult in vitro regenerated spiral ganglion growth cones â€“ A study using video microscopy and SEM. Hearing Research, 2006, 215, 97-107.	2.0	18
23	Development of the innervation of the human inner ear. Developmental Neurobiology, 2015, 75, 683-702.	3.0	18
24	Finite element analysis and three-dimensional reconstruction of tonotopically aligned human auditory fiber pathways: A computational environment for modeling electrical stimulation by a cochlear implant based on micro-CT. Hearing Research, 2020, 393, 108001.	2.0	18
25	Endocytic trafficking of silica nanoparticles in a cell line derived from the organ of Corti. Nanomedicine, 2013, 8, 239-252.	3.3	17
26	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
27	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
28	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
29	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
30	Distribution of Immune Cells Including Macrophages in the Human Cochlea. Frontiers in Neurology, 2021, 12, 781702.	2.4	15
31	KLF4, Slug and EMT in Head and Neck Squamous Cell Carcinoma. Cells, 2021, 10, 539.	4.1	14
32	Localization of TrkB and p75 receptors in peritoneal and deep infiltrating endometriosis: an immunohistochemical study. Reproductive Biology and Endocrinology, 2016, 14, 43.	3.3	13
33	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
34	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
35	Model-based Vestibular Afferent Stimulation: Modular Workflow for Analyzing Stimulation Scenarios in Patient Specific and Statistical Vestibular Anatomy. Frontiers in Neuroscience, 2017, 11, 713.	2.8	12
36	Variable expressivity of TCTEX1D2 mutations and a possible pathogenic link of molar-incisor malformation to ciliary dysfunction. Archives of Oral Biology, 2017, 80, 222-228.	1.8	11

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37	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
38	Peptide-mediated targeting of liposomes to TrkB receptor-expressing cells. International Journal of Nanomedicine, 2012, 7, 3475.	6.7	10
39	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
40	Brain-Derived Neurotrophin and TrkB in Head and Neck Squamous Cell Carcinoma. International Journal of Molecular Sciences, 2019, 20, 272.	4.1	8
41	Age-Dependency of Neurite Outgrowth in Postnatal Mouse Cochlear Spiral Ganglion Explants. Brain Sciences, 2020, 10, 580.	2.3	8
42	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
43	Ultrastructure of the normal human organ of Corti. New anatomical findings in surgical specimens. Acta Oto-Laryngologica, 2005, 125, 534-539.	0.9	7
44	Pelizaeus Merzbacher disease: morphological analysis of the vestibulo-cochlear system. Acta Oto-Laryngologica, 2009, 129, 1395-1399.	0.9	7
45	Characterization of epithelial cells, connective tissue cells and immune cells in human upper airway mucosa by immunofluorescence multichannel image cytometry: a pilot study. Histochemistry and Cell Biology, 2021, 155, 405-421.	1.7	7
46	Surviving murine experimental sepsis affects the function and morphology of the inner ear. Biology Open, 2017, 6, 732-740.	1.2	6
47	Testing the Clinical Applicability of Resin Infiltration of Developmental Enamel Hypomineralization Lesions Using an In Vitro Model. International Journal of Clinical Pediatric Dentistry, 2019, 12, 126-132.	0.8	6
48	Phoenix auditory neurons as 3R cell model for high throughput screening of neurogenic compounds. Hearing Research, 2022, 414, 108391.	2.0	5
49	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
50	Molecular organization and fine structure of the human tectorial membrane: is it replenished?. Cell and Tissue Research, 2015, 362, 513-527.	2.9	3
51	Signal Transduction Regulators in Axonal Regeneration. Cells, 2022, 11, 1537.	4.1	3
52	ExplantAnalyzer: An advanced automated neurite outgrowth analysis evaluated by means of organotypic auditory neuron explant cultures. Journal of Neuroscience Methods, 2021, 363, 109341.	2.5	2
53	Inner ear histopathological findings in Alport syndrome. Audiological Medicine, 2007, 5, 129-137.	0.4	1
54	Sequential Indirect Dual Immunohistochemistry with Primary Rabbit Antibodies on Cochlear Sections Using an Intermediate Heatâ€Denaturation Step. Current Protocols, 2021, 1, e239.	2.9	0